ARCADIS Design & Consultancy for natural and built assets

CSX Transportation, Inc.

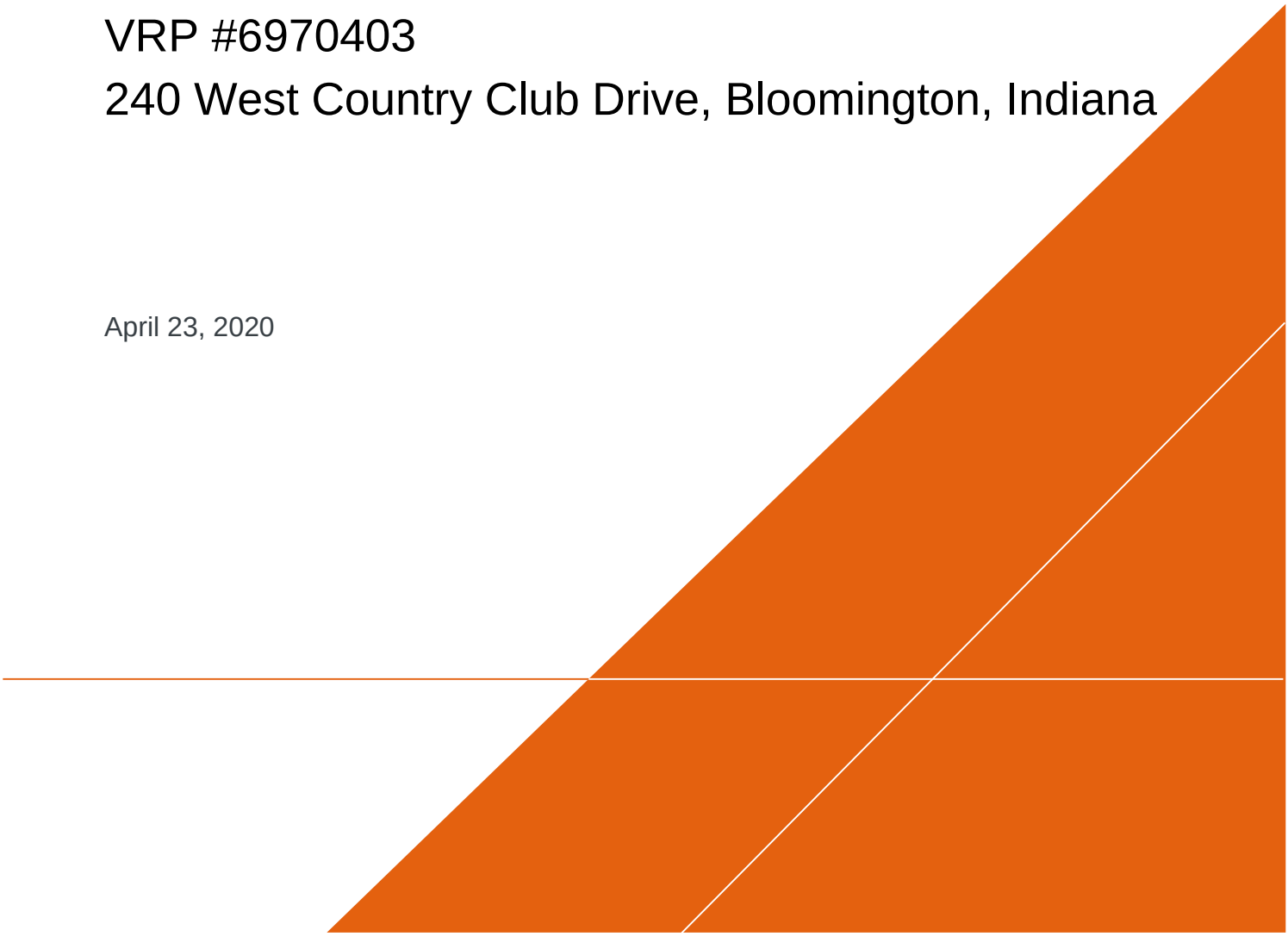
REVISED REMEDIATION WORK PLAN

Former Indiana Creosoting Company Facility

VRP #6970403

240 West Country Club Drive, Bloomington, Indiana

April 23, 2020



REVISED REMEDIATION WORK PLAN

Former Indiana Creosoting Company Facility
240 West Country Club Drive
Bloomington, Indiana
IDEM VRP Site #6970403



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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis U.S., Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CCR	Current Conditions Report
COC	constituent of concern
CSM	conceptual site model
CSXT	CSX Transportation, Inc.
CVOC	chlorinated volatile organic compound
DBH	diameter-at-breast-height
EPC	exposure point concentration
ERC	Environmental Restrictive Covenant
ERO	Environmental Restrictive Ordinance
FARA	Floodplain Analysis / Regulatory Assessment
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
HASP	Health and Safety Plan
HHRA	Human Health Risk Assessment
ICC	Indiana Creosoting Company
IDEM	Indiana Department of Environmental Management
IGS	Indiana Geological Survey
L&N	Louisville & Nashville
LRA	Limited Risk Assessment Report
LQG	large quantity generator
LRC	Lower Ramp Creek
mg/kg	milligrams per kilogram
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl
PNA	polynuclear aromatics
PVC	polyvinyl chloride

QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCG	Remediation Closure Guide
ROW	right-of-way
RWP	Remediation Work Plan
RRWP	Revised Remediation Work Plan
Site	Former Indiana Creosoting Company Facility Voluntary Remediation Program (VRP) #6970403 site, located at 240 West Country Club Drive in Bloomington, Indiana
SGS Labs	SGS North America, Inc.
SMP	Site Management Plan
SQG	small quantity generator
SVOC	semi volatile organic compound
µg/L	micrograms per liter
URC	Upper Ramp Creek
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VI	vapor intrusion
VRP	Voluntary Remediation Program

EXECUTIVE SUMMARY

This *Revised Remediation Work Plan* (*RRWP*) has been prepared at the request of CSX Transportation, Inc. (CSX) to document the extensive environmental-related investigations, assessments, sampling, characterizations, and remediation completed at the Former Indiana Creosoting Company (ICC) facility (Site) located 240 West Country Club Drive, Bloomington, Monroe County, Indiana (**Figure 1**). The investigation and remediation activities are detailed in this *RRWP* to support obtaining closure through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) for the Site (IDEM VRP #6970403).

The Site is part of a Brownfields success story which has involved collaboration between the City of Bloomington and CSX for the planning, preparation and purchase of properties associated with the former Louisville & Nashville (L&N) McDoel Switchyard. These activities have been completed over the past 15 years. The Site was originally part of the L&N McDoel Switchyard with an adjacent main rail line which ran through Bloomington from north to south. Bloomington purchased 8.74 miles of the main rail line in 1993 to initiate a Rails-to-Trails project. In 2005, the City then purchased the secondary rail line and a smaller right-of-way (ROW) portion of the CSX property along the north side of Country Club Road. The secondary rail line was purchased to connect the northern Rails-to-Trails to the southern portion and the CSX ROW north of Country Club Road was purchased to install a pedestrian walk bridge connecting the western residential neighborhoods to the commercial businesses along Walnut Street. The McDoel Switchyard was purchased in 2015 and the City of Bloomington is in the final stages of redeveloping the McDoel Switchyard into a multi-use park and recreational area (to include a performance stage, event lawn, main pavilion, community gardens, street skate park, basketball courts, bocce courts, exercise equipment, etc.). The City of Bloomington continues to express interest in the VRP Site portion.

Investigations at the Site have dated back to 1987 when the IDEM conducted an initial assessment that included soil, sediment and surface water sampling. Several investigations, assessments and remedial actions occurred over the following 10 years at which time the Site was accepted into the IDEM VRP Program in 1997. Additional investigations, assessments and remedial activities (to include Phase II Work Plan, Phase II Investigation, Wetlands Delineation, Risk Assessments, Further Site Investigations, Pedestrian Bridge Installation, Creek Liner Installation, US ACE Permitting, etc.) were conducted prior to the original *Remediation Work Plan* (*RWP*) being submitted in 2009. The original *RWP* (Arcadis 2009) was submitted to the IDEM VRP in December 2009 to document the activities which had been completed at the Site up to that date. At that time, both IDEM and CSX agreed additional assessments and remedial activities would be required prior to approval of a final RWP.

Since the original *RWP* submittal, the IDEM, CSX and Arcadis have conducted numerous meetings to discuss the remedial objectives, technical approaches and investigations over the last 10 years. Those meetings have resulted in documenting work activities in several primary reports, all of which are incorporated by reference and are part of this RRWP. These reports included the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A),** *Screening-Level Ecological Risk Assessment* - Arcadis 2011c **(Appendix B),** *Limited Risk Assessment* - Arcadis 2015 **(Appendix C),** and the *Current Conditions Report* - Arcadis 2019a **(Appendix D).** The IDEM has reviewed these comprehensive reports and issued a final comment letter dated July 25, 2019 (IDEM 2019). After a meeting with the IDEM to discuss their comments, Arcadis submitted the *Response to the Current Conditions Report Comments*

dated December 18, 2019 (Arcadis 2019b). The IDEM issued their approval to the Arcadis Response Letter on January 24, 2020 (IDEM 2020). These three documents are contained in **Appendix E**.

With the IDEM approval of the *Response to the Current Conditions Report Comments* dated December 18, 2019, CSX and Arcadis are submitting this *RRWP* for IDEM review. The primary objective of this *RRWP* is to present a comprehensive report that summarizes investigation and remediation activities that have been completed since IDEM VRP application and acceptance in 1997 (IDEM VRP # 6970403) and propose a closure strategy for residual impacts remaining at the Site through a combination of nature and extent delineation, monitoring, remedial activities, risk assessment, and institutional controls.

Throughout the history of the project, CSX has conducted numerous investigations and assessments, as well as proactive remedial actions to reduce potential risk associated with former operations at the Site. Some of the more significant assessments and remedial efforts are summarized as follows:

- Over 500 soil borings have been completed at the Site for nature and extent characterization,
- Over 1,000 soil samples have been collected at the Site for laboratory analysis,
- Installation of 119 monitoring wells, 19 recovery wells, and 4 pilot holes as part of the project,
- Collected over 1,300 groundwater samples for laboratory analysis,
- Recovered over 10,500 gallons of dense non-aqueous phase liquids (DNAPL) creosote and water from recovery wells and monitoring wells at the Site (5,420 gallons being free product only) and documented a significant decrease in the volume of recoverable free product due to the DNAPL creosote recovery program as seen on the trend graphs located in **Table 4** and **Appendix G**,
- Excavation and off-site disposal of over 11,500 tons of impacted soil and creosote during the removal of a 40,000-gallon process tank in 1991,
- Excavation and off-site disposal of approximately 900 tons of soil and bedrock while assisting the City of Bloomington with installing the pedestrian walk bridge in 2006,
- Installation of a creek liner along an approximate 170-foot section of Clear Creek in 2007, immediately adjacent to the former operations area, where approximately 1,875 tons of soil, bedrock, and sediment were excavated and disposed off-site,
- Excavation and off-site disposal of over 9,000 tons of impacted soils from twenty (20) areas across the northern and southern tracts of the Site from 2011 to 2013 to reduce the calculated Exposure Point Concentration (EPC) below the IDEM screening level,
- Excavation and off-site disposal of over 550 tons of sediment from two (2) point bar areas within Clear Creek in 2012,
- Conducted two years of tracer testing and monitoring to ensure a thorough understanding of the geologic subsurface groundwater flow pathways,
- A Vapor Intrusion (VI) Assessment was conducted on the commercial businesses (Walnut Station Commercial Plaza) on the eastern portion of the site in 2010. Sub-slab and Indoor Air samples were collected from each of the tenant spaces of the commercial plaza as part of the assessment. Site constituents of concern (COC) concentrations were below the IDEM VI screening levels and indicate vapor intrusion is not an issue related to the Site,
- Conducted risk assessments to evaluate risk from the residual Site impacts as documented in the *Limited Risk Assessment* (Arcadis 2015) and *Screening-Level Ecological Risk Assessment* (Arcadis 2011c). These risk assessments conclude that there is no significant unacceptable and unmanageable risk associated with the Site.

- Conducted several public outreach programs to include a public open house meeting at Lora L. Batchelor Middle School on December 7, 2011. The purpose of the public open house was to update the public on site activities and inform the public that the Site was being overseen by IDEM.

A list of Site COCs requested for coverage under the "Covenant Not-to-Sue" (CNTS) and their respective IDEM Default Closure Goals for each media are summarized in **Table 1**. The Site specific COCs include benzene, toluene, ethylbenzene, total xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), phenolic compounds, phthalates, lead and arsenic; the typical constituents found in creosote wood treating compounds. This RRWP presents an integrated, remediation and exposure prevention strategy that reduces Site-related COCs, prevents exposure, protects receptors and provides appropriate measures to manage remaining risk from residual COCs. The objective of this RRWP is to achieve a "Certificate of Completion" and a CNTS in accordance with a Site-specific, risk-based approach, as provided for in IDEM's Guidance applicable to this Site and the VRP statute, specifically including Ind. Code 13-25-5-8.5 (as amended by H.E.A. 1162 (2009). The release of petroleum and hazardous substances that are addressed by and are the subject of this RRWP covers the list of COCs in Table 1. CSX is seeking a Certificate of Completion and CNTS under Indiana Code 13-25-5-16 and 18, respectively, that (a) cover all the COCs in Table 1; and, (b) covers the entire Site and areas off-Site where COCs have migrated or may potentially migrate in the future.

The Voluntary Remediation Agreement was signed in 1997, therefore, the 1996 VRP Resource Guide, including the IDEM Tier II Non-residential Closure Goals were utilized for evaluation purposes of the data collected. If cleanup goals for specific COCs were not established in the 1996 manual (IDEM 1996a), then other cleanup goals were utilized. These additional cleanup goals are included as part of the 1996 IDEM Non-Rule Lead Policy (IDEM 1996b) and 2006 RISC Default Industrial Goals (IDEM 2006). Current 2020 IDEM RCG guidance and screening levels were used for evaluation of off-site surface soils.

In addition to the extensive investigations, assessments and remediation actions completed at the Site, a combination of institutional controls (Environmental Restrictive Covenants (ERCs) and/or an Environmental Restrictive Ordinance (ERO)) are proposed for residual impacts remaining at the Site and/or groundwater impacted off-site properties. The primary Site ERC will include restrictions on future land use, groundwater use, structure VI screening/mitigation, and outline required soil management practices. ERCs may also be developed to prohibit the use of groundwater on off-site properties. In lieu of off-site ERCs (and to augment the proposed on-site ERC) and as a primary initiative towards mitigating potential off-site risk, a proposed ERO will include a restriction on the use of groundwater at the Site and at impacted off-site properties. If CSX is unable to secure these types of institutional controls, then it will provide alternative measures to IDEM for consideration and implementation to ensure there are no unacceptable future risks associated with the site.

Since the submittal of the *Current Conditions Report* (*CCR*) Arcadis 2019a (**Appendix D**) which documented Site activities from October 2011 through December 2018, Arcadis has continued to perform routine DNAPL creosote recovery at the Site. Since initiating the DNAPL Recovery Program, Arcadis has recovered over 10,500 gallons of DNAPL/water mixture (5,420 gallons being free product only) from a combination of recovery well and monitoring well locations through the end of 2019. Additionally, since peak recovery in 2013, Arcadis has seen a steady decline in the recharge of DNAPL creosote at these locations, which indicates the DNAPL recovery program has been very effective and has reached a point

of asymptotic returns. This asymptotic return is indicative of recovery to extents practicable. The graphs showing the overall DNAPL recovery trend for the Site and individual well recovery trends are contained in **Appendix G**.

At the request of the IDEM and as part of the path to closure, Arcadis began quarterly sampling of select groundwater monitoring wells across the Site in December 2019. As requested by the IDEM, Arcadis will collect groundwater samples from monitoring wells at the Site for a period of eight (8) consecutive quarters. During one of the sampling events, groundwater samples are to be collected during a single qualifying stormwater sampling event. These discussions are provided in the documents contained in **Appendix E**.

The institutional controls and other risk management measures proposed in this *RRWP*, coupled with historical remediation and delineation of groundwater to 1996 VRP Tier II Residential Cleanup Goals (IDEM 1996a), will mitigate potential future risks associated with Site-related impacts and facilitate closure of this Site consistent with applicable IDEM guidance.

The release that is the subject of, and is addressed by, this RRWP, are the conditions observed in surface soil, subsurface soil, and groundwater, which are summarized above and are described in detail in Arcadis' investigation reports and status reports listed in Section 3 and discussed in Section 5 of the RRWP. Upon successful completion of the actions proposed in this Revised RWP, CSX will prepare and submit a Remediation Completion Report.

1 INTRODUCTION

On behalf of CSX Transportation, Inc. (CSX), Arcadis U.S., Inc. (Arcadis) has prepared this Revised Remediation Work Plan (*RRWP*) for the Former Indiana Creosoting Company Facility (Site) located at 240 West Country Club Drive **(see Figure 1)** in Bloomington, Indiana (Site). This *RRWP* updates and replaces the *Remediation Work Plan* (Arcadis 2009) submitted on December 30, 2009. The primary objective of this *RRWP* is to present a comprehensive report that summarizes investigation and remediation activities that have been completed since Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) application and acceptance in 1997 (IDEM VRP # 6970403).

In addition to presenting comprehensive information related to historical investigations and activities at the Site, this *RRWP* summarizes activities completed since the submittal of the *CCR* (Arcadis 2019a) on May 24, 2019 (**Appendix D**). The *CCR* (Arcadis 2019a) documents Site activities through December 7, 2018.

A detailed Site history, background, and historical information/data have been presented to the IDEM in in numerous reports throughout the years; this *RRWP* incorporates and updates detailed information pertaining to Site location, historical land use, historical information/analytical data, ecological assessment information, geology/hydrogeological assessment results, Site safety plans, operation and maintenance plans, and/or community relations plans in those documents. The key reports to understanding the Site objectives and goals include the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A),** *Screening-Level Ecological Risk Assessment* - Arcadis 2011c **(Appendix B),** *Limited Risk Assessment* - Arcadis 2015 **(Appendix C),** and the *Current Conditions Report* - Arcadis 2019a **(Appendix D)**

The institutional controls and other risk management measures proposed in this *RRWP*, coupled with historical remediation and delineation of groundwater to 1996 VRP Tier II Residential Cleanup Goals (IDEM 1996a), will mitigate potential risks associated with Site-related impacts and facilitate closure of this Site consistent with applicable IDEM guidance.

2 SITE HISTORY AND BACKGROUND

The Site is located in Township 8 North, Range 1 West, Sections 9 and 16 within Perry Township in Bloomington, Indiana (**Figure 1**). The Site is bordered to the north and east by commercial/industrial properties and the recently redeveloped City of Bloomington McDoel Switchyard Park; and to the southeast, south and west by predominantly residential properties, although there is some commercial/industrial property along these boundaries as well. Except for the commercial land acquired by CSX in 2010, the Site occupies the valley floor of Clear Creek and is relatively flat, with a gentle slope toward the creek. The commercial property acquired in 2010 is also predominantly flat lying and is elevated about 10 feet above the valley floor. The exception is toward the western edge of this property, where the land surface drops off steeply to the valley floor.

The Site is a generally rectangular shaped parcel of land approximately 40 acres in size and is divided into two portions by Country Club Road (**Figure 2**). The first portion, approximately 14 acres in size, is located north of Country Club Road and is divided by Clear Creek, which flows from north to south through the portion. This entire portion of the site generally lies in or near the floodplain of Clear Creek. The area west of Clear Creek (north of Country Club Road) is where the former creosoting operations took place. Creosote storage tanks and various railroad spurs were also located here. The area to the east of Clear Creek is a marshy area of floodplain that was included among land that CSX purchased in 2006 to facilitate further delineation efforts and was not part of the former wood-treating operation.

The second portion of the Site is located south of Country Club Road and comprises approximately 26 acres, which is also divided by Clear Creek. The area to the west of Clear Creek was historically used to store untreated railroad ties and was never developed. The area to the east of Clear Creek consists of floodplain land that was included in CSX's 2006 purchase described in the preceding paragraph, as well as approximately 6 acres of commercial land located predominantly above the floodplain that CSX purchased in 2010. The commercial plaza was also purchased to facilitate further delineation efforts. The area (east of Clear Creek) but west of the commercial plaza has historically been undeveloped.

The Site is currently undeveloped, except for a portion of the land purchased in 2010, which contains a small strip mall and oil change facility. In the former operations area, a few concrete foundations remain below the ground surface on top of the bedrock (**Figure 2**). Most of the site is covered either with brush and grasses, or by trees (particularly along Clear Creek). Property access has been restricted by the installation of a fence along Country Club Road.

Wood-treating operations began circa 1914 by the American Creosoting Company and ceased in 1976. The Indiana Creosoting Company, a subsidiary of the Monon Railroad, purchased the property from the American Creosoting Company in 1961. The Monon Railroad merged with the Louisville and Nashville Railroad in 1971, which was the predecessor company to CSX. All creosote storage, handling, and use appears to have occurred north of Country Club Road in the former operations area. Known locations of creosote storage tanks and other former operational features are shown on **Figure 2**.

The Site was formally entered into the IDEM VRP upon receipt of a signed application acceptance letter dated May 13, 1997. The VRP Application and subsequent Voluntary Remediation Agreement (VRA) reflect CSX's intention to investigate and remediate the Site, as necessary, to achieve VRP closure for surface soil, subsurface soil, and groundwater for a non-residential property, and to ultimately obtain a

Certificate of Completion and Covenant Not to Sue. The current remediation and clean-up objectives for soil and groundwater at the Site are 1996 VRP Tier II Default Non-residential Cleanup Goals for on-site impacts and residential for off-site impacts (IDEM 1996a), unless an ERC is agreed upon by the off-site property owners and/or an ERO is agreed upon by Monroe County. CSX anticipates the future land-use of the Site to remain industrial.

The Site's constituents of concern (COCs) are BTEX (benzene, toluene, ethylbenzene, and xylenes), poly aromatic hydrocarbons (PAHs), phenolic compounds, phthalates, arsenic, and lead. The specific analytes requested for cover under the CNTS and their respective default closure levels are shown on **Table 1**. The affected media is surface soils, subsurface soils and bedrock, sediments and groundwater. If cleanup goals for specific COCs were not established in the 1996 manual (IDEM 1996a), then other cleanup goals were utilized including the 1996 IDEM Non-Rule Lead Policy (IDEM 1996b) and 2006 RISC Default Industrial Goals (IDEM 2006). Additionally, Exposure Point Concentrations (EPCs) were calculated for constituents which were detected above the applicable Cleanup Goals; these EPCs were compared to the applicable Cleanup Goals.

2.1 Site Name, Address and Owner Contact Information

Site Name:	Former Indiana Creosoting Facility
Facility Identification Number:	IDEM VRP No. 6970403
CSX Site Number	9415829
Site Address:	240 Country Club Drive Bloomington, Monroe County, Indiana 47401
Site Contact:	Daniel Dyer, CSX
Phone No:	(317) 267-4151
Property Owner Contact:	CSX Transportation, Inc. 500 Water Street Jacksonville, FL 32202 Phone No: (904) 475-0353

2.2 Site Contact Responsible for VRP Process

The CSX contact for the project is:

Mr. Daniel Dyer, CPG
Sr. Manager Environmental Remediation
CSX Transportation, Inc.
12125 E. 65th Street
#36061
Indianapolis, IN 46236
Phone No.: (317) 267-4151

CSX has contracted Arcadis to perform the investigations and remedial activities at the Site. The Arcadis contact is:

Mr. Steven C. Sharp, LPG

Principal Geologist/Senior Project Manager
150 West Market Street, Suite 728
Indianapolis, Indiana 46204
Phone No.: (317) 236-2829

3 HISTORICAL INVESTIGATION, REMEDIATION, AND SUPPORTING DOCUMENTATION

This section summarizes previously completed environmental investigations and corresponding documents that were reviewed for development of this revised *RRWP* and have also previously been submitted to the IDEM. The environmental investigations and supporting documents are listed in chronological order, followed by a brief summary. The majority of these reports can be found on the IDEM's Virtual File Cabinet (VFC), though several have been included as part of this RRWP. The reports not available on the VFC are referenced and summarized in other reports as detailed below.

3.1 August 1987 – Indiana Department of Environmental Management Site Investigation

In August 1987, the IDEM conducted a site investigation of the Former Indiana Creosoting Company. During this investigation, IDEM noted a vat containing creosote and a pipe possibly directed toward Clear Creek. An unknown number of samples were acquired from creek sediments, creek surface water both upstream of the pipe and downstream of the pipe, and the creosote contained in the vat. The IDEM investigation noted elevated levels of polynuclear aromatics (PNAs) throughout the property. A complete copy of this report was issued to the IDEM VRP on May 7, 1998 as an Appendix (Appendix C) of the Remedial Investigation/Hazard Characterization Former Indiana Creosoting Site Volumes I-III.

3.2 January 1989 – Limited Recovery Activity - ENSR

In June 1988, a 500-gallon gasoline underground storage tank, dispenser pump system, and galvanized piping were removed and disposed off-site. In addition, 10 gallons of creosote were removed from a vat bottom, soils were excavated along a concrete wall, and additional soils were excavated near a railroad spur (No. 3). A complete copy of this report was issued to the IDEM VRP on May 7, 1998 as an Appendix (Appendix D) of the Remedial Investigation/Hazard Characterization Former Indiana Creosoting Site Volumes I-III.

3.3 December 1989 – Initial Assessment – ATEC

This report is referenced in the March 1990, Soil Sampling and Analysis Report; however, all efforts to locate a copy have failed. It is believed that no copies of this initial assessment currently exist, and it cannot be reproduced.

3.4 March 1990 – Soil Sampling and Analysis Report – ATEC

In March 1990, ATEC submitted an environmental assessment, to the Wininger Stolberg Group, regarding the Southern Tract of the current Site. Activities involved the excavation and removal of soil from localized stained areas. Excavations ranged in depth from 0.5 feet to 3.0 feet. In addition, six soil samples were gathered and submitted for laboratory analysis of SVOC and Arsenic; one sample of stained soil and five samples of the clean soil located under stained soil. All five samples, taken of the

clean underlying soils, yielded results that were below the VRP Tier II Residential Cleanup Goals. The sixth sample, taken from a stained area, had detections of SVOC compounds. A complete copy of this report was issued to the IDEM VRP on May 7, 1998 as an Appendix (Appendix D) of the Remedial Investigation/Hazard Characterization Former Indiana Creosoting Site Volumes I-III.

3.5 March 1990 – Site Characterization Work Plan – Weston, Inc.

In March 1990, Weston, Inc. prepared a work plan for initial site characterization on the Indiana Creosoting Company property. This plan called for the installation of 12 monitoring wells, approximately 40 soil borings, approximately 5 test pits, sediment sampling, and a geophysical survey via electromagnetic technique. It is unknown whether this work plan was ever implemented. A complete copy of this report was issued to the IDEM VRP on May 7, 1998 as an Appendix (Appendix A) of the Remedial Investigation/Hazard Characterization Former Indiana Creosoting Site Volumes I-III.

3.6 January 1991 – Sampling and Analysis Plan – Arcadis G&M

In January 1991 ARCADIS developed a Sampling and Analysis Plan proposing to use electromagnetic survey and multiple soil borings to identify potential creosote source areas. In addition, thirteen test pit locations were proposed, six stream sediment samples were to be collected, and fourteen monitoring wells were to be installed. It is important to note that this was a plan of work activities to be performed and not a report of completed work. This plan was never implemented because CSXT opted for a large source area removal as indicated in the Soil Remediation Report for March 1992. A complete copy of this report was issued to the IDEM VRP on May 7, 1998 as an Appendix (Appendix E) of the Remedial Investigation/Hazard Characterization Former Indiana Creosoting Site Volumes I-III.

3.7 March 1992 – Soil Remediation Report – Arcadis G&M

Between May 1991 and November 1991, Arcadis G&M performed a removal of impacted soils at the Site. In addition, a 40,000-gallon underground storage tank was located and removed. The removal effort included the excavation and disposal of over 11,500 cubic yards of impacted soil, creosote, and various metal parts. The approximate locations of these removal activities are depicted in Figure 4 of the *CCR* (Arcadis 2019a) (**Appendix D**). A complete copy of this report was issued to the IDEM VRP on May 7, 1998.

3.8 August 1992 – Remedial Investigation / Hazard Characterization – Arcadis G&M

A total of 35 borings were advanced and characterized, in order to evaluate the extent of creosote impacts. Field screening was performed, and 20 samples were submitted for laboratory analysis of base neutral acids (BNAs), volatile organic compounds (VOCs), and metals. An additional fourteen monitoring wells were installed (MW-1S / MW-1D to MW-7S / MW-7D). Groundwater was sampled and analyzed from; twelve of the newly installed wells (MW-1D, MW-2S/D, MW-3D, MW-4S/D, MW-5S/D, MW-6S/D, MW-7S/D) and three existing monitoring wells (OW-1, OW-2, and OW-3), that were installed in February 1991. The groundwater samples were analyzed for BNAs, VOCs, benzene, toluene, ethylbenzene, and

xylene (BTEX), and metals. Additionally, twelve test pits were dug with a backhoe. Six samples were submitted for laboratory analysis of BNAs and metals. Finally, five sediment samples were gathered from Clear Creek and analyzed for BNAs, VOCs, and metals.

The above collected data was combined with data that had been gathered in previous reports to generate a carcinogenic risk of approximately 1x10-4. This risk was cumulatively calculated for a child playing with soils, a child playing with sediments, a child playing with creek water, industrial workers, and excavation workers. The report took into account geologic, and hydrogeologic data, groundwater uses, stream sediments, constituents of concern, and exposure pathways to generate the above number. A complete copy of this report was issued to the IDEM VRP on May 7, 1998.

3.9 June 1995 – Additional Subsurface Investigation – Arcadis G&M

Between November 1994 and February 1995, Arcadis performed a combined subsurface and groundwater investigation at the Indiana Creosoting Company. A total of 35 hand auger and/or GeoProbe locations were advanced with 9 samples submitted for PAH analysis. The results indicated that the area of highest concentrations of PAH impact was near the railroad spur Number 3; with an additional area of concern located north of the previously existing lagoon. Groundwater samples were also collected from the existing monitoring wells. The results indicated that PAH concentrations were decreasing, with the possible exception of acenaphthene. Further delineation of groundwater was recommended near Clear Creek just south of Country Club Road. However, CSXT had not been granted property access at the time of the report. A complete copy of this report was issued to the IDEM VRP on May 7, 1998.

3.10 December 1995 – Supplemental Subsurface Investigation – Arcadis G&M

In October 1995, Arcadis installed a total of eight additional monitoring wells. Two wells (MW-8S and MW-8D) were nested in the southern parcel along the eastern property boundary; one screened at 2.5 to 6 feet bgs, and the other at 8 to 13 feet bgs. The remaining six wells (P-1 to P-6) were located on the northern parcel proximal to Clear Creek. Free product was noted in monitoring well MW-3S. Groundwater samples were collected from all of the newly installed monitoring wells and four of the previously existing monitoring wells. Samples were submitted for PAH analysis. During the sampling event, PAH concentrations were detected above the VRP Tier II Industrial standards only in monitoring well P-6.

3.11 September 1996 – Risk Assessment Former Indiana Creosoting Company – Arcadis G&M

September 1996, an extensive Risk Assessment was performed for the site. The risk characterization concluded that there are no complete exposure pathways for human receptors at the site. Potential exists for worker exposure via excavation and additional potential exists for exposure via wading in Clear Creek. For the worker scenario, the total calculated excess lifetime cancer risk was estimated at 7x10-6 with a hazard index of 0.1. For the wader scenario, the total calculated excess lifetime cancer risk was

estimated as high as 2x10-7 with a hazard index of 0.02. Additionally, an ecological risk assessment indicated constituent concentrations detected in the surface soil would not present a risk to herbivorous terrestrial species, surface water did not exceed the available comparison values for protection of aquatic species, and sediment concentrations were unlikely to present a risk to benthic organisms.

3.12 August 1999 – Phase II Investigation Work Plan – Arcadis G&M

In August 1999, Arcadis submitted an Investigation Work Plan to the IDEM VRP. This work plan contained the scope of work for the Phase II Investigation Report described in the next section. This report is available on the IDEM VFC.

3.13 January 2003 – Phase II Investigation Report – Arcadis G&M

In January 2003, Arcadis submitted a Phase II Investigation Report to the IDEM VRP Section. The investigation was performed, to further delineate surface and subsurface impacts to the Site. A total of 93 surface samples and 79 sub-surface samples were submitted for SVOC analysis. Additional groundwater sampling was submitted for SVOC analysis. This investigation indicated localized subsurface soil impacts and slightly more wide-spread surface soil impacts along the north south running gravel road, along the southern boundary of the northern parcel, and a localized area near well P-4. Groundwater impacts were noted at the southeast corner of the north parcel and at the northern tip of the north parcel. This report is available on the IDEM VFC.

3.14 September 2006 – Further Site Investigation Report – Arcadis

In September 2006, Arcadis submitted a Further Site Investigation Report to the IDEM VRP section, detailing the results of additional soil and groundwater investigation activities completed at the Site between 2003 and 2005. A total of eighteen monitoring wells were installed and a total of 233 surface soil samples and 72 subsurface soil samples were collected as part of these on-going investigation activities. The intent of these investigations was to better define the extents (both laterally and horizontally) of SVOCs, BTEX, Metals (arsenic and lead) within soil and groundwater media. A comparison of the surface and subsurface soil results to the IDEM Tier II Non-Residential Default Closure levels revealed that surface soil concentrations exceed screening criteria for several SVOCs near the former operations area (northern tract), along Country Club Road (southern tract), and near a former rail spur (southern tract), limited SVOC impacts (above Tier II Criteria) were identified in collected subsurface soil samples (SVOC exceedances identified in 9 of 72 collected subsurface samples), BTEX impacts above screening criteria were limited to one subsurface sample collected in the northern tract, lead exceeded at one surface soil location (southern tract), and arsenic exceeded at one surface soil location (northern tract). Groundwater data collected during these (and previous) investigations show concentrations of several SVOCs, benzene, arsenic, and lead exceed 1996 IDEM VRP Tier II Non-Residential Default Closure levels. DNAPL creosote was identified in six monitoring wells at various thicknesses. Additionally, several creosote like soil bleeds were identified and sampled in the northern tract. Based on the results of this sampling SVOCs concentrations were detected at levels above the Tier II Non-residential Cleanup Criteria. This report is available on the IDEM VFC.

3.15 December 2009 – Remediation Work Plan - Arcadis

In December 2009, CSXT and Arcadis submitted an RWP with IDEM's understanding the impacts have not been fully delineated and the remedial approach has not been finalized. With that said, the nature and extent of impacts at the Site continued to be investigated through the performance of multiple investigations that have included, over 200 soil sample points (i.e. soil borings, surface grab samples and sediment samples), installation of 71 permanent monitoring wells, 5 recovery wells, installation of a creek liner remediation system, and laboratory analysis of numerous soil, sediment, surface water and groundwater samples for Site COCs.

This original RWP (Arcadis 2009) was submitted to the IDEM VRP strictly for administrative purposes and to document the activities which had been completed at the Site up to that date. At that time, both IDEM and CSX agreed additional assessments and remedial activities would be required prior to approval of a final RWP. Upon delineation of the off-site impacts, a revised RWP will be submitted to the IDEM in the future. This *RRWP* fulfills the above-mentioned report. The report has also previously been submitted to the IDEM and can be found on the IDEM VFC.

3.16 October 2011 – Geology and Hydrogeology Report – Arcadis

In October 2011, Arcadis prepared a Geology and Hydrogeology report for the former Indiana Creosoting Company facility located at 240 Country Club Road, Bloomington, Monroe County, Indiana. The objective of this report was to document the additional subsurface characterization work that has been performed both on-Site and off-Site since 2008 to develop a Conceptual Site Model (CSM) for defining the extent of creosote impacts in the subsurface and how those impacts are migrating through the bedrock subsurface. A total of 59 additional monitoring wells and 7 recovery wells have been installed since 2008 to further define the impacts in the subsurface. Various detailed testing has been conducted on these wells and other previously installed wells to gain a better understanding of the subsurface and migration of water through the subsurface. These tests included packer testing, falling head testing, hydraulic conductivity testing, long-term hydraulic head testing, tracer testing, free product monitoring and recovery, free product rate of recovery, and groundwater sampling. The results of these tests, as well as their impact on the CSM, are described in detail throughout this report; the full report is provided in **Appendix A** of this *RRWP*. The report has also previously been submitted to the IDEM and can be found on the IDEM VFC.

3.17 November 2011 – Community Relations Plan – Arcadis

In November 2011, Arcadis prepared a Community Relations Plan to present to the public to share the latest efforts by CSX and IDEM to remediate the property and to keep the public informed of previous and planned remediation activities. A public open house meeting was held on December 7, 2011 at Batchelor Middle School, located in Bloomington, Indiana.

3.18 November 2011 – Screening Level Ecological Risk Assessment Report –Arcadis

In November 2011 Arcadis developed a definitive screening-level ecological risk assessment (SLERA) on CSX for the portions of Clear Creek (the Study Area) associated with the Site. The purpose of this

SLERA was to assist with closure activities under the Indiana Department of Environmental Management's (IDEM) Voluntary Remediation Program (VRP) at the Site. This report documents data collected for the SLERA from 1991 through 2011. The SLERA focused on the COCs at the Site which included DNAPL (creosote), selected SVOCs (phenols, phthalates, and priority pollutant and alkylated PAHs), and selected VOCs (BTEX), and metals (total, dissolved, and as simultaneously extracted metals/acid-volatile sulfide [SEM-AVS]).

The SLERA was conducted in two phases. A preliminary SLERA was conducted in 2004 based on sediment, surface water and porewater data collected in 1991 and 2003. The preliminary SLERA concluded that the only COCs that may cause potential risk to ecological receptors in Clear Creek are PAHs in sediment. Based in part on the results of the preliminary SLERA, and intermittent presence of DNAPL globules on the creek bottom, a creek liner was installed along an approximate 170-foot section of Clear Creek within the northern tract of the Site, immediately adjacent to the former operations area, in the Summer-Fall of 2007.

Sediment and surface water samples were obtained from Clear Creek in 2010 to evaluate the effectiveness of the mitigation efforts. The data from this 2010 Clear Creek investigation was used to conduct a definitive SLERA for the Study Area at Clear Creek. The results of this definitive SLERA indicate that ecologically significant adverse effects are unlikely at the Clear Creek Study Area due to Site related COCs. Therefore, further investigation of potential ecological risks and remediation to reduce potential ecological risks are not warranted for Clear Creek. The full report is provided in **Appendix B** of this *RRWP*. The report has also previously been submitted to the IDEM and can be found on the IDEM VFC.

3.19 May 2015 – Limited Risk Assessment Report – Arcadis

In May 2015, Arcadis prepared a limited human health risk assessment (HHRA) on behalf of CSX to assist with closure activities under the IDEM VRP at the former Indiana Creosoting Company facility. The risk assessment focused on the COCs at the Site which included DNAPL creosote, selected SVOCs (phenols, phthalates, and alkylated PAHs), selected VOCs (BTEX), and select metals (arsenic, lead). The exposure pathways and exposure routes for the current and future use of the Site evaluated in this limited risk assessment conclude there are no unacceptable risks at the former Indiana Creosoting Company facility. The full report is provided in **Appendix C** of this *RRWP*. The report has also previously been submitted to the IDEM and can be found on the IDEM VFC.

3.20 May 2015 – Vapor Intrusion Investigation Report – Arcadis

In November 2010, Arcadis collected information on the Walnut Station Commercial Plaza, installed permanent sub-slab vapor points, and collected paired sub-slab vapor and indoor air samples to determine if the vapor intrusion pathway was complete. A representative from the Center for Toxicology and Environmental Health accompanied Arcadis personnel throughout the sampling process. Concentrations within indoor air and sub-slab sampling indicate vapor intrusion is not an issue at the Walnut Station Commercial Plaza. The full report is provided as Appendix A of the Limited Risk Assessment Report (*LRA)*, which is provided as **Appendix C** of this *RRWP*.

3.21 May 2019 – Current Conditions Report – Arcadis

Arcadis, on behalf of CSX prepared a Current Conditions Report to document the investigative and remedial activities that have occurred at the former Indiana Creosoting Facility located at 240 Country Club Drive, Bloomington, Monroe County, Indiana, (Site). The objective of this report is to document the Site activities that have occurred since the previous *Geology and Hydrogeology Report* (Arcadis 2011a) was submitted to the Indiana Department of Environmental Management (IDEM) on October 27, 2011 (**Appendix A**). This report documents the site activities that occurred from October 2011 through December 7, 2018 and is presented as **Appendix D** of this report. The report has also previously been submitted to the IDEM and can be found on the IDEM VFC.

The following bullets summarize key findings and conclusions associated with the various investigations and remedial activities conducted at this site.

- An extensive free product recovery program was initiated in 2011 for the project and began gauging and/or recovering DNAPL creosote from 40 select recovery and monitoring wells on a weekly basis. Over 10,200 gallons of free product/water had been recovered from the site; with over 5,200 gallons of that total being free product only. The recovered volumes peaked in 2013 and continue to decline with only 400 gallons of free product/water (250 gallons of free product only) recovered in 2018.
- The *LRA* and *Screening-Level Ecological Risk Assessment* (*SLERA*) both were submitted in 2015, reviewed by the IDEM and indicate no significant risk associated with the site.
- As a proactive measure, a Vapor Intrusion Assessment was conducted on the commercial businesses (Walnut Station Commercial Plaza) on the eastern portion of the site in 2010. Sub-slab and Indoor Air samples were collected from the commercial plaza as part of the assessment. Concentrations were below the screening levels and indicate vapor intrusion is not an issue with this property.
- The recent groundwater sampling event (March 2018) requested by the IDEM from their review of the risk assessments, indicates the groundwater concentrations continue to be stable and/or declining. Furthermore, groundwater monitoring has occurred at the site for over 20 years through a network of 76 monitoring wells analyzing for the IDEM approved constituent of concern (COC) list of benzene, toluene, ethylbenzene, and xylenes (BTEX), semi volatile organic compounds (SVOCs), and total/dissolved metals.
- A total of eight (8) additional monitoring wells, twelve (12) additional recovery wells, and four (4) pilot study recovery wells have been installed since October 2011 to further define impacts in the subsurface and/or for increased DNAPL creosote recovery. The nature and extent of the residual creosote impacts has been delineated through site characterization and coordinated with the IDEM.
- Impacted surface soil, subsurface soil and sediments have been removed from the site to allow for Exposure Point Concentrations (EPCs) to be utilized for risk-based exposure assessment. All excavation activities were conducted with approval from the IDEM Voluntary Remediation Process (VRP) section and appropriate permits through the United States Army Corps of Engineers (USACE), IDEM Water Quality Section, and Indiana Department of Natural Resources (IDNR).
- Approximately 9,000 tons of impacted surface and subsurface soil, with elevated levels of benzo(a)pyrene, were excavated from twenty (20) areas of interest across the northern and southern tracts of the Site from late 2011 through 2013.

- Approximately 550 tons of sediment, from two (2) point bar areas within Clear Creek, immediately adjacent to the site, were excavated in 2012. The purpose of the work was to remove sediments with residual impacts within Clear Creek, south of Country Club Drive. The two sediment removal areas were dewatered with the assistance of a series of aqua dams and trash pumps; the aqua dams assisted in diverting the creek channel around the sediment removal areas, reducing the amount of water in the removal areas.
- Arcadis performs an annual walk-through of Clear Creek, which flows north-south through the center of the property, to observe any visible sheens that may be migrating from the site. During the creek walk, Arcadis monitors for the presence of sheens and/or creosote bleeds emanating from the bedrock fractures along the creek bottom. The creek is inspected for the entire distance it traverses through to the Site. No visible sheens have been observed during the walk-throughs.
- As part of the permits optioned for the excavation activities, a tree mitigation project was implemented by CSX at the site. A total of eighteen (18) trees at sizes greater than 10 inches diameter-at-breast-height (DBH) were removed as part of the soil excavation activities. In accordance with the IDNR Construction in a Floodway Permit No. FW-25726, these trees were to be replaced at a 5:1 ratio (90 trees). In October 2012, ninety-one (91) trees were planted within five (5) separate excavation areas (zones). Annual tree reports have been submitted to the IDNR, detailing the survival rates for years: 2013, 2014, 2015, and 2016. A letter from the IDNR granting the release from further annual tree monitoring was received on November 20, 2017.
- Two temporary remediation storage areas were constructed at the Site in 2014. A storage compound (eastern compound) was constructed on Lot #3, located south of Country Club Drive and east of Clear Creek consisting of a 40’ x 40’ x 8’ chain link fenced compound, containing a 20’ x 20’ x 4” concrete pad. A temporary storage building and compound (western compound) was constructed south of Country Club Drive, west of Clear Creek consisting of an 80’ x 50’ x 8’ chain link fenced compound, containing a 60’ x 40’ x 4” concrete pad, and a 36’ x 32’ post frame building. The purpose of the compounds is for the storage of remediation equipment (gator, trailers, transfer containers and equipment) necessary for DNAPL removal, and for the storage of fifty-five (55) gallon drums containing free product/water generated from the free product recovery program.
- To prepare for initiation of the free product recovery program, approximately 2,600 linear feet temporary access roads were constructed to improve site access and enable continued remediation cleanup at the Site from December 2011 through February 2012. Additionally, in February 2012, a 24’ long by 36” diameter concrete culvert was installed within a drainage ditch leading to Clear Creek, located south of County Club Drive and east of Clear Creek. The Culvert was placed to allow for temporary roadway access across the drainage ditch for free product recovery operations. The temporary access roads and culvert will be removed once remedial objectives for regulatory closures at the Site are met. The affected wetland area was planted with a marsh-appropriate seed mixture.
- In November 2011, the City of Bloomington replaced an existing 30” diameter storm water drainage culvert pipe which had fallen into disrepair, with a new 36” diameter x 246’ long reinforced concrete pipe along a similar alignment as the existing culvert. Once the culvert was fully installed, some culvert sections were approximately 1.0’ above ground surface as they crossed onto CSX property. The City of Bloomington was required to construct two 50’ x 12’ x 8” concrete pads over the culvert piping to allow continual access the northern tract of CSX property with heavy vehicular traffic.

- On December 7, 2011, CSX and Arcadis conducted a public open house meeting at Lora L. Batchelor Middle School. The purpose of the public open house was to update the public on site activities, inform the public of a large soil removal project in the near future at the Site, and allow the public to interface with the IDEM who is providing technical oversight on the project

4 REMEDIAL ACTION OBJECTIVES

The VRA was signed in 1997, therefore the Site is governed by the 1996 IDEM VRP guidance. Additionally, because the Site is zoned commercial/industrial, the 1996 IDEM non-residential closure goals were utilized for ongoing on-site evaluation purposes. If cleanup goals for specific COCs were not established in the 1996 manual (IDEM 1996a), then other appropriate cleanup goals were utilized. These other appropriate cleanup goals included the 1996 IDEM Non-Rule Lead Policy (IDEM 1996b) and 2006 RISC Default Industrial Goals (IDEM 2006). Please note, when appropriate, current 2020 IDEM guidance and screening levels were used for evaluation and assessment (i.e. off-site surface soils were compared to the 2020 IDEM Residential Screening Levels and the 2019 IDEM Recreational Soil Direct Contact Screening Levels).

The closure strategy for legacy impacts at the Site has included an extensive combination of nature and extent delineation, stability monitoring, remedial activities, and evaluating / qualifying appropriate risk to human health and the environment. Future potential risk will be mitigated through appropriate institutional controls or alternative measures. Proposed institutional controls will be a combination of an ERC (and ERO) to mitigate potential risk associated with residual on-site soil and groundwater impacts and either ERCs and/or an ERO or alternative measures to mitigate residual low-level groundwater impacts observed at off-site locations. The proposed areawide extent of the proposed institutional controls are depicted on **Figure 8.**

4.1 Proposed Remedial Action Objectives

Based on (1) remediation activities completed to-date, (2) groundwater monitoring and trend analysis, (3) current soil conditions based on comprehensive on- and off-site soil sampling activities completed, (4) risk assessments to include EPC development for surface soil, and (5) the proposed adoption of proposed institutional controls or alternative measures, potential risks associated with residual impacts at and in the vicinity of the Site have been and will be appropriately mitigated and addressed. As a result of these factors, the following cleanup criteria, which rely on exposure prevention and management, are proposed to replace the approved numeric cleanup criteria associated with 1996 IDEM Closure Goals:

- Remove requirement to achieve 1996 VRP Non-Residential Closure Goals for groundwater and soil within the boundaries of the Site and replace that requirement with the requirement to record an ERC for the Site in the Monroe County Recorder's Office.

- Remove requirement to achieve 1996 VRP Residential Closure Goals for groundwater within the boundaries depicted on **Figure 8**.

As depicted on Figure 8 a proposed institutional control area (either via ERC(s) and/or an ERO) has been outlined to show the governance of an areawide approach to mitigate potential future exposure from remaining residual impacts to groundwater (on- and off-site). In off-site areas, ERCs and/or an ERO will be recorded to prevent the use of the groundwater within the area covered by the covenant(s) or ordinance for potable use. The ERCs and/or ERO would not prevent any person or business from using groundwater for "non-potable purposes" like watering lawns, washing cars, or other commercial/industrial uses. If CSX is not able to obtain ERCs and/or and ERO, it will present alternative measures to ensure

there are no future unacceptable risks associated with the Site. For on-site areas, an ERC would be structured to restrict future land-use to commercial/industrial, require building construction to account for potential VI, prohibit groundwater use, and include provisions associated with appropriate soil management (for future construction or soil disturbance activities).

4.2 Soil

The nature and extent of impacts from former operations at the Site has been adequately characterized. Over 500 soil borings, 119 monitoring wells, 19 recovery wells and 4 pilot holes have been installed at the Site. Additionally, since 1987, over 1,000 soil samples have been collected and submitted for laboratory analysis. These data have allowed a thorough understanding of the residual remaining COC concentrations and what remedial actions would be required to reduce those concentrations to acceptable levels. Furthermore, the extensive soil and bedrock remediation activities (over 22,000 tons removed from the Site) has also allowed for a thorough understanding of residual impacts remaining at the Site.

4.2.1 Surface Soil

On-site surface soil impacts have been evaluated and addressed through the following actions:

- Collected and analyzed surface soil samples from soil borings to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Non-Residential Closure Goals.
- Excavated and disposed of soil and bedrock to allow for an Exposure Point Concentration (EPC) to be calculated for closure purposes.
- Calculated an EPC for on-site surface soils which facilitated meeting IDEM Non-Residential Closure Goals, and ensuring remedial actions achieved this objective.
- Recording an appropriate ERC on the deed to the Site will restrict potential future exposure from residual surface soil impacts remaining at the Site.

Off-site surface soil impacts have been evaluated and addressed through the following actions:

- Collected and analyzed surface soil samples from soil borings to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Residential Closure Goals and current 2020 IDEM Residential Screening Levels.

4.2.2 Subsurface Soil

On-site subsurface soil impacts have been evaluated and addressed through the following actions:

- Collected and analyzed subsurface soil samples from soil borings to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Non-Residential Closure Goals.
- Excavated and disposed soil and bedrock as required for removal of the creosote bleeds, installing a creek liner and assisting the City of Bloomington with the installation of the pedestrian bridge located at the Site.
- Recording an appropriate ERC on the deed to the Site will restrict potential future exposure to residual subsurface soil impacts remaining at the Site.

The off-site subsurface soil impacts have been evaluated and addressed through the following actions:

- Collected and analyzed subsurface soil samples from soil borings to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Residential Closure Goals.

4.3 Groundwater and DNAPL Creosote

Groundwater sampling of monitoring wells has been conducted periodically at the Site since 2000 to determine the nature and extent of groundwater impacts across the Site. In addition, routine groundwater sampling has been completed to evaluate plume stability. Groundwater sampling has occurred for over 20 years through a network of 119 historical and/or existing monitoring wells analyzing for the IDEM approved COC list. This COC list includes BTEX, SVOCs, and metals (**Table 1**). Additionally, DNAPL creosote has been monitored, gauged and recovered from approximately 40 recovery and monitoring wells at the Site since 2000. The direct connection between groundwater impacts and the DNAPL creosote is summarized in Section 5.3 and discussed in further detail in the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A).**

On-site groundwater and DNAPL creosote impacts have been addressed through the following actions:

- Collected and analyzed groundwater samples collected from monitoring wells to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Non-Residential Closure Goals.
- Monitored and recovered DNAPL creosote from recovery wells and monitoring wells to reduce pressure and saturation, reduce mobility; and reduce contaminate mass.
- Monitored and recovered DNAPL creosote from recovery wells and monitoring wells to determine the rate of diminishing recovery.
- Recordation of an appropriate ERC (and/or institution of an areawide ERO) on the deed to the Site will restrict potential future exposure to residual groundwater impacts associated with the Site.

The off-site groundwater and DNAPL creosote impacts have been addressed through the following actions:

- Collected and analyzed groundwater samples collected from monitoring wells to determine nature and extent.
- Evaluated and compared COC concentrations to 1996 IDEM Residential Closure Goals.
- Monitored and recovered DNAPL creosote from monitoring wells to reduce pressure and saturation, reduce mobility; and reduce contaminate mass.
- Monitor and recover DNAPL creosote from monitoring wells to determine when the rate of recovery decreases in those wells to a level that is supportive of the remedial closure strategy.
- Recording an appropriate areawide ERO (and/or ERCs) will restrict potential future exposure to residual groundwater impacts or provide alternative measures.

4.4 Sediment and Surface Water

Sediment and surface water samples have been collected in the past to evaluate potential impacts from former site operations. A thorough ecological risk assessment was conducted along Clear Creek

adjacent to the Site and documented in the *Screening-Level Ecological Risk Assessment* - Arcadis 2011c **(Appendix B)**.

4.4.1 Sediment

The sediment impacts will be addressed through the following actions:

- Collected and laboratory analyzed sediment samples from Clear Creek to determine nature and extent characterization.
- Evaluated and compared the COC concentrations to applicable ecological screening levels.
- Based on the data, no risk to the sediment in Clear Creek adjacent to the Site was identified.

4.4.2 Surface Water

The surface water impacts will be addressed through the following actions:

- Collected and laboratory analyzed surface water samples from Clear Creek to determine nature and extent characterization.
- Evaluated and compared the COC concentrations to applicable ecological screening levels.
- Based on the data, no risk to the surface water in Clear Creek adjacent to the Site was identified.

5 SITE SETTING AND CHARACTERIZATION

5.1 Geographic Information

The Site is located at 240 West Country Club Drive in Bloomington, Monroe County, Indiana. **Figure 1** shows the location of the Site and the surrounding topographic features. The property occupies approximately 40 acres and is bisected by Clear Creek (to the east and west) and Country Club Drive (to the north and south).

5.2 Regional Geology and Hydrogeology

The following discussion of regional geology was augmented using available literature from a number of cited sources. The regional geology and hydrogeology information is summarized below with a more detailed discussion in the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A).** Additionally, Arcadis collaborated with staff at the Indiana Geological Survey (IGS), located in Bloomington at Indiana University, as a reference to better understand various aspects of the regional geology. Arcadis met with the IGS several times to discuss regional stratigraphy and provided the IGS with cores from one of the drilling events for them to view and evaluate. The IGS supplied Arcadis with the latest bedrock geology maps of Bloomington and Monroe County for our reference as well as provided feedback and input regarding the structural trends observed regionally. The information discussed with the IGS was instrumental in understanding the geology from a regional perspective.

The Site lies in south-central Indiana, a region dominated by bedrock-controlled uplands, dissected by streams that drain generally south and westward to the White and Wabash Rivers. The strong relief in south-central Indiana reflects, in part, the absence of the Pleistocene glaciation which elsewhere in the state had the effect of leveling the topography. The physiography also reflects the variable weathering characteristics of the major bedrock units that outcrop across the region. The gently undulating upland topography in the immediate Bloomington area, for instance, reflects the strong erosional resistance of the Blue River and Sanders Groups limestones. Where these limestone units crop-out east of Bloomington, they expose the less resistant Borden Group siltstone, and the terrain is much more deeply eroded.

The bedrock in the Bloomington area is predominantly Mississippian-aged sedimentary rock. The bedrock in the region is very nearly flat lying, with a dip of less than 1 degree to southwest. (Hasenmueller, et al., 2008) Though slight, the dip of bedrock means that, looking across the region from west to east, the bedrock units outcrop in sequential north-south bands from youngest to oldest (otherwise stated, a unit that is at the surface where you're standing will be progressively deeper, and covered by younger units to the west).

East of Bloomington, the rock is predominantly siltstone of the Borden Group (Hartke and Gray, 1989); west of Bloomington, it is a mixture of sandstone, shale, and limestone (West Baden and Stephensport Groups). Bloomington itself lies in a physiographic region called the Mitchell Plateau, a north-south-trending belt, about six miles wide, underlain by limestone assigned to the Mississippian aged Blue River and Sanders Groups (Hartke and Gray, 1989).

The limestone surface across of the Mitchell Plateau is typically covered by at least several feet of unconsolidated material, except in areas of steep slopes such as adjacent to deeply incised streams. Two classes of unconsolidated material are most common, i.e.:

- Residuum (also called terra rossa) is the predominant soil type, consisting chiefly of plastic red clay with stone fragments that develops in situ over limestone bedrock where slopes are not steep. Residuum is essentially the remnants of limestone that has mostly been dissolved away. This material can be a thick as 50 feet in some areas of the region (Thomas et al., 1981); though typically it is less than 20 feet and may be mostly absent or very thin in stream valleys due to erosion.
- Deposits of alluvium are common in current river valleys. Alluvium consists of sediments deposited by present-day streams, which typically include stratified silt and sand (i.e., over bank deposits) and localized deposits of sand and gravel related to the former channels of present-day meandering streams.

Monroe County has abundant rainfall (averaging about 44 inches per year), it does not have large, readily available groundwater resources (Hartke and Gray, 1989). The City of Bloomington draws its water supply from Lake Monroe, a surface water reservoir. Groundwater use in the region is typically limited to individual homeowners, farms or small rural communities. In the Bloomington area, three hydrostratigraphic systems of significant areal extent are recognized, although only one is considered a viable groundwater resource:

- The unconsolidated zone in the region is identified by Maier (2003a) as the Unglaciated Southern Hills and Lowlands Aquifer System. The clay-rich residuum that makes up the majority of this system is generally lower permeability, typically less than 20 ft thick and inconsistently saturated. The unconsolidated system is not used as a water resource.

- Blue River and Sanders Group Aquifer System is the only viable groundwater resource in the area, though it only yields supplies sufficient for domestic and small quantity users (Maier, 2003b). The aquifer system is typically less than 100 feet thick, though the full thickness of the Blue River and Sanders Groups may reach 400 ft where fully preserved to the west of Bloomington (Thompson et. al, 2007). The basal 30 to 35 ft section of this system is preserved at the Site, and is the primary horizon of interest for environmental investigation at the Site

- The Borden Group Aquifer System is composed primarily of siltstone and shale, with a thickness of up to 660 ft (Maier, 2003b). Infrequent and unpredictable fine-grained sandstone lenses exist within the Borden Group (Hartke and Gray, 1989); however, the system is generally regarded as an aquitard and is only used where no other aquifer type is available (Maier, 2003b). As noted by Hartke and Gray (1989), the rocks of the Borden Group are generally too fine grained, have too few joints, and are too well cemented to act as an aquifer.

The permeability of the Blue River and Sanders Group Aquifer System is chiefly governed by fractures and karst weathering. Hartke and Gray (1989) note that the rocks most prone to dissolution are the St. Louis and Ste. Genevieve Limestones, and areas of the plateau underlain by these rocks contain the greatest frequency of karst features such as sinkholes, caves, and underground drainage. “Karst” is a term that describes both the weathering processes and resultant landforms in soluble rocks. In terms of groundwater movement, karst aquifers are aquifers whose permeability has been enhanced by

dissolution. The Ramp Creek Formation, which is the most relevant bedrock formation in terms of groundwater movement at the site. The Ramp Creek Formation is not noted as a significant “karst-former”; however, the unit is predominantly limestone and, as will be discussed later in this report, its permeability has been enhanced by dissolution, which is an important factor concerning groundwater and contaminant movement.

The hydraulic characteristics of the bedrock aquifer systems are also directly influenced by their fractures. The orientations of bedding-plane fractures and joints in the region are relatively uniform and are similar for the rocks of both aquifer groups. The most prominent structural trends are as follows:

- Regional bedding: approximate strike 349º (north-northwest to south-southeast); 40-45 feet per mile (Walter Hasenmueller, Indiana Geological Survey, written communication).
- Primary joint set: strike 80° (east-northeast); vertical dip (Powell, 1976 and Ault, et al., 1985)

A secondary joint set has also identified orthogonal to the primary set; though less prominent and less frequent (Ault et al., 1985). Powell (1976) also found that primary joints were often vertically extensive, crossing multiple beds, whereas secondary joints were limited to individual beds. The orientations and relative frequency of joints was confirmed in bedrock exposures in Clear Creek at the Site, as noted in Appendix C of the *Geology and Hydrogeology Report* (Arcadis 2011a), which is provided as **Appendix A** of this report.

Faulting is not widespread in the region. The nearest mapped fault to the Site is the Mount Carmel Fault, which is a 50-mile long, high-angle normal fault that trends north-northwestward. This fault is located about 7 miles east of the Site and is not anticipated to be relevant regarding groundwater and contaminant movement in the Site bedrock.

5.3 Site Geology and Hydrogeology

The Site geology and hydrogeology information is summarized below with a more detailed discussion in the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A).** The site lies on the floor of a shallow north-south trending valley drained by Clear Creek. The creek runs southward through the Site dropping approximately 12 ft in elevation over the 3/4 mile between the north and south ends of the Site. Clear Creek is a gaining stream which flows on or very near bedrock but has not developed an entrenched bedrock channel. The banks of the creek are typically composed of 3 feet of fine-grained flood-plain alluvium, often with low natural levies. The majority of the Site is within the active flood plain and has been observed to flood several times a year. Moving outward (east and/or west) away from Clear Creek, the surface elevation increases dramatically as much as 15 ft at the Site and then substantially higher (up to 30 ft) as little as a block away from the Site.

The site geology consists of alluvium in the upper 5 to 15 ft, thickening away from Clear Creek. The alluvium is underlain by a thin (0 to 5 ft) Harrodsburg Limestone unit in some areas to the western portion of the Site. The Harrodsburg is underlain by the Ramp Creek Formation which is an interbedded siltstone and limestone unit as thick as 50 ft at the Site. The Ramp Creek Formation is underlain by the Borden Group which is a massive siltstone unit several hundred feet thick. The Borden Group, as detailed later, forms an aquitard which prevents the creosote from penetrating deeper than the depth of the Borden [approximately 40-50 ft below ground surface (bgs) on-site].

5.3.1 Water Use Evaluation

Groundwater has historically been used for industrial and/or residential purposes near the Site. Arcadis performed a water well survey, locating water wells within a 1-mile radius of the Site, and a 2-mile radius of the Site. Six (6) water wells were reported to be located within a 1-mile radius of the Site, and sixty-seven (67) water wells were reported to be located within a 2-mile radius of the Site (Indiana Department of Natural Resources (IDNR) (2020a) as provided in **Figure 3**. As part of the water well survey, in 2011, Arcadis verified a public water connection at properties surrounding the Site, and where possible, the locations of reported water wells. No wells were discovered as part of this survey. In March 2020, Arcadis re-verified a public water connection at properties (City of Bloomington Utilities Department 2020) within the area of proposed institutional controls, via email correspondence with the City of Bloomington Utilities Department. According to reports and public records, there are no known drinking water wells in the vicinity of the Site. CSX and Arcadis plan to submit an ERC and/or an ERO to place restrictions and/or institutional controls on future land usage. An ERC will restrict soil disturbance and the installation of new drinking water wells on the Site and/or adjacent properties, and an ERO will restrict drinking water wells in the vicinity of the Site. Currently, nearby businesses, industries, and residences obtain water supply from the City of Bloomington, which obtains its water from the Monroe Reservoir (Lake Monroe), located southwest of the Site.

5.3.2 Surface Water Drainage

The Site lies on the floor of a shallow north-south trending valley drained by Clear Creek. The creek runs southward through the Site dropping approximately 12 ft in elevation over the ¾ mile between the north and south ends of the Site (**Figure 2**). According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and Floodplain Analysis / Regulatory Assessment (FARA) from the IDNR, portions of the site are located in the 100-year flood zone boundary (FEMA 2010 and IDNR 2020b). Clear Creek collects stormwater runoff from the south side of the City of Bloomington, and eventually merges with Salt Creek, which is the discharge from Monroe Lake, approximately 9.5 miles (~16.5 stream miles) southwest of the Site. Clear Creek is not used for recreational, industrial, and municipal water supply purposes. The nearest drinking water intake is located at Lake Monroe, downgradient of the Site, and is not hydrogeologically connected.

5.3.3 Groundwater Flow

Groundwater within the unconsolidated alluvium and shallow bedrock beneath the Site flows to Clear Creek, at the local base-level. Given the Site's location, stretched out along about ¾ mile of the creek, the southward descent of the creek channel is a principal determinant of groundwater in the subsurface, and thus the patterns of groundwater flow. While all groundwater in the unconsolidated alluvium zone discharges to Clear Creek, the Upper Cramp Creek (URC) and Lower Ramp Creek (LRC) does discharge to the creek[1], the paths groundwater takes to the creek and the speed with which it travels there can vary

[1] It is probable that groundwater in the upper Borden Group also discharges to Clear Creek, while at some greater depth in the Borden Group, regional flow patterns prevail.

significantly. This section explains the current understanding of how groundwater moves through the subsurface of the site.

5.3.3.1 Groundwater Flow Between Hydrostratigraphic Units

Of the four hydrostratigraphic units described for the Site – the unconsolidated alluvium zone, URC, LRC, and Borden Aquitard – only the URC is adequately thick and transmissive to be of significant interest with respect to groundwater flow and solute transport. The solution porosity in the URC is the most efficient hydraulic pathway for groundwater, evidenced by the much higher hydraulic conductivities estimated from URC wells relative to the other units. Groundwater does move through the other units; however, the amount of flow is very small in comparison to the URC. (While a Darcy's law calculation cannot be made directly, given the karstic nature of the URC, it is reasonable to interpret, for example, that the 4 order of magnitude average difference in hydraulic conductivities estimated between the URC and LRC wells indicates that *at least* a 4 order of magnitude difference in volumetric flux also exists.) Nevertheless, since a relatively small amount of flow occurs between hydrostratigraphic units, the balance of this subsection describes the nature of that flow.

While the anisotropy of the system means that the principal flow direction in each hydrostratigraphic unit should be horizontal; consistent head differences between the units indicate that a component of flow will also be vertical, fostering a modest exchange of groundwater from one unit to another. Table 9 presented in the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**) summarizes calculated vertical gradients for a number of well clusters. The dominant gradient relationships are shown in the inset table below.

Hydrostratigraphic Unit	**Dominant Vertical Gradient Direction**
Unconsolidated Zone	
	↓
URC	
	↓
LRC	
	↑
Borden Aquitard	

Vertical flow within bedrock, both upward and downward, is constrained to joints. The spacing of joints observed in bedrock exposed in Clear Creek average approximately every 2 ft for the north-south joint set, and every 4 ft for the east-west set. While less frequent, the east-west set is much more pronounced with wider, often solution enlarged apertures, whereas the north-south joints are commonly very tight or healed. The spacing of hydraulically active joints has not been quantified but is estimated to be significantly less than the spacing of all joints. Moreover, while some joints may cut through multiple beds, most joints will not completely crosscut the Ramp Creek Formation. Instead, joints typically truncate on bedding plane fractures (structural interfaces); such that flow rising through a joint may need to flow horizontally for some distance before intersecting another open joint cutting the bed above it. This mode of flow, or stair-stepping, will typically have longer horizontal steps than vertical steps, due the relative spacing of bedding planes versus joints.

Because the alluvium receives distributed recharge from above, the mode of transport in the unconsolidated zone is somewhat different. Downward flow from the unconsolidated zone into the bedrock can only occur at joints, thus the thin zone of saturation may be conceptualized as a shallow bowl with a cracked bottom. Near Clear Creek, it is likely that groundwater pathways will discharge directly to surface water, without entering the URC. Further from the creek, pathways will be highly

irregular, determined in large part by the geometry and transmissivity of the joints that crosscut the bedrock surface, into which water from the unconsolidated zone will drain.

Within the hydrostratigraphic profile, heads are consistently highest in the Borden Group. Water-levels in the Borden are strongly artesian, with levels that rise above the ground surface in places (commonly even higher than stickup well casings, so that the wells need to be sealed to prevent them from flowing). At Borden well MW-38C, for example, the head averages approximately 10 feet higher than the head in the adjacent URC wells (MW-38A and MW-38B) and also approximately 10 feet higher than the stage of Clear Creek in that vicinity. The high water-level elevations in the Borden Group indicate that the unit is not recharged locally. To support the high heads observed, recharge to the Borden must occur in upland areas, potentially a long distance away. The strength of the upward gradient (e.g., 0.9 ft/ft upward as measured between MW-38C and MW-38D, in Table 9 of the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**) also testifies to the inefficiency of vertical flow from the Borden Aquitard into the URC. While gradients are strongly upward, the flux of groundwater from the Borden to the LRC is trivial, due to the extremely low hydraulic conductivity of both of those units.

Heads in the LRC are typically the lowest observed within the hydrostratigraphic profile. This indicates that the LRC receives a small component of vertical flow upward from the Borden and downward from the URC. At first glance, the gradient relationship between the LRC and URC is counterintuitive, on the basis that:

- All evidence suggests that the LRC is vastly less transmissive than the URC, and
- Since the URC is shallower and in direct contact with Clear Creek, the normal expectation is that vertical flow from the LRC would be upward, that direction being the most energetically favorable pathway to discharge in Clear Creek.

A possible physical explanation for the downward gradient relationship between the URC and LRC relates to the strong anisotropy that favors horizontal flow, and the gradual descent of Clear Creek's elevation as it drains to the south. This argument may be stated as follows:

- As a highly stratified sedimentary bedrock unit, the Ramp Creek Formation, and the LRC in particular, is extremely anisotropic, favoring horizontal flow and strongly inhibiting vertical flow. Head differences exist but do not drive significant quantities of water between the URC and LRC. In the LRC, while the amount of flow in any direction is extremely small, the relative capacity for the unit to move water horizontally is greater than its capacity to receive water into the unit vertically.
- As Clear Creek descends in elevation to the south, it cuts deeper into the Ramp Creek Formation, allowing easier vertical communication from the LRC to creek level. Thus, heads in the LRC in a given well may be more directly influenced by the stage of Clear Creek some distance downstream than by the stage of the creek near the well. In contrast, the URC is better connected hydraulically to Clear Creek. Thus, levels in the URC are buffered by the higher stage of the creek nearby, rather than by points further downstream.

While a downward gradient does exist from the URC to the LRC, the component of flow in the URC that moves downward is expected to be extremely small relative to the component of flow that occurs horizontally within the solution-enlarged fracture network. By analogy, a roof gutter with a pinhole leak

will continuously drip a little water through the pinhole, but most of the water in the gutter will travel horizontally toward the downspout.

5.3.3.2 Potentiometric Surfaces

The potentiometric surface of the URC provides useful information to help understand the general patterns of groundwater flow but must be used with caution. Tracing work, discussed later, has clearly demonstrated that actual groundwater flow paths cannot be predicted solely on the basis of the potentiometric surface. Because of the extreme heterogeneity and anisotropy of the karst drainage system; the standard continuum-based approach of using a potentiometric surface to infer groundwater flow lines is inappropriate.

Potentiometric surface maps were created from the available groundwater elevation data (**Table 2**) to illustrate the general trends observed in the URC and are presented in the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**) and the *CCR* (Arcadis 2019a) (**Appendix D**). All potentiometric surfaces show similar trends:

- Heads in the URC decrease moving southward (parallel to the descent of Clear Creek) and inward from the east and west toward Clear Creek.
- Within the former operations and tie storage areas of the site (west of Clear Creek immediately north and south of Country Club Road), heads in the URC generally decrease more rapidly southward than toward the creek, suggesting that flow might trend downstream following Clear Creek rather than taking the shortest-distance pathway to the Creek.
- An area of steep gradients near Country Club Road suggests an increase in bulk transmissivity south of the road, or a region of restricted flow pathways (a flow bottleneck) near the road.
- The apparent convergence of heads toward Clear Creek indicates that the creek is the sole groundwater discharge. In addition, the increasing heads moving away from Clear Creek to the east or west suggest that it is unlikely groundwater flow paths would short-circuit to an adjacent valley.

Beyond these general observations derived from the potentiometric surface maps, the best understanding of groundwater flow patterns at the Site is obtained from tracing studies, which are discussed in the following section.

5.3.3.3 Patterns of Groundwater Flow Indicated by Tracing

Arcadis teamed with Dr. Ralph Ewers who is a renowned karst expert and Professor Emeritus at Eastern Kentucky University to conduct dye tracer testing of the karst system at the Site. The results of fluorescent dye tracer studies initiated at the Site in 2008 provide the best direct evidence of how groundwater moves through the URC. The tracing work is described in detail in Appendix C of the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**). Figure 20 of the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**) identifies the injection points and illustrates the dye detection locations. The inset table below summarizes the main findings from the three traces completed. A complete summary of all calculated apparent velocities is provided in Table 10 of the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**).

Injection Location & Date	Dye Used	Dye Detections	Apparent Velocities	Direction(s) of Flow Vector
MW-14D on 5/6/08	Eosine	Detected in 10 monitoring wells, in Clear Creek, but in no springs	2.5 to 30 ft/day	SSE SW
MW-35B on 5/11/10	Fluorescein	Detected immediately in 2 minor springs and Clear Creek, later in 4 monitoring wells	12 to 7123 ft/day	SSE ESE
MW-38A on 5/25/10	Rhodamine-WT	Never detected in wells, springs, or in the creek	No apparent flow	No apparent flow

Note: Apparent velocities are based on first detected arrival and the straight-line distance traveled, and as such are always less than true average velocity within the conduits themselves.

The principal observations about groundwater flow stemming from the tracer studies may be summarized as follows:

- The URC supports flow velocities of at least 7123 ft/day, a rate indicative of conduit flow. Excluding two documented flowrates of greater than 1000 ft/day (both observed at springs), the average of traced apparent velocities is two orders-of-magnitude less (11 ft/day with a maximum of 30 ft/day). It can also be assumed that slower pathways exist that were too slow to be observed within the trace timeframes. This apparent diversity of flow rates illustrates the heterogeneity of the aquifer flow system. Groundwater simultaneously travels through the URC on an extreme range of fast and slow advective flow paths. No single velocity can fully characterize the behavior of the system.
- The multiple detections for each trace (excluding the rhodamine-WT trace, which was detected nowhere), indicate divergent flow. This is consistent with the epikarst model of disorganized solution development, in which distributed recharge enters and enlarges all available fractures with limited bias. Also, the proximity of Clear Creek provides many opportunities for groundwater to discharge, discouraging the development of convergent hierarchical drainages, which occur when one point of discharge (such as a large spring) is the only efficient discharge.
- The predominant straight-line direction of flow is south-southeast. This trend is aligned with the regional strike of bedrock, and likely indicates a strike-parallel bias to conduit pathways within the URC. The alternate pathways directions, southwest and east-southeast, are less common, but maintain a southward aspect that is consistent with the general down-valley hydraulic gradient.
- During the eosine trace, dye was detected at two locations on the east side of Clear Creek, opposite of the injection point, demonstrating that groundwater can migrate beneath the creek, at least in places. The straight-line pathways to these detection locations (URC wells MW-27A and MW-28B) are both south-southeast, consistent with the regional strike. The most probable

explanation for this underflow is the high degree of anisotropy favoring lateral transport over vertical. Flow upward into the creek is limited by the availability of open joints; therefore, flow cannot discharge to the creek at all points along the creek. Given that flow may cross beneath the creek, there are instances wherein the most efficient route to down-stream discharge is by way of conduit pathways on the east side. Underflow in this case does not imply that Clear Creek is not the ultimate discharge; rather that some sections of the creek are less efficiently connected with the groundwater flow system than others.

- The failure of the rhodamine-WT trace to document any complete flow connections is unusual. As hypothesized by Dr. Ralph Ewers in Appendix C of the *Geology and Hydrogeology Report* (Arcadis 2011a) (**Appendix A**), the injection location MW-38A must be connected to a region of the karst drainage network with very little advective movement. Such a region may exist where progressive evolution of the karst system bypasses a section of the aquifer, creating what is conceptually a stranded by water, or where sediment infilling restricts flow within a section, having the same effect. This trace outcome suggests that some portions of the aquifer may function as zones of storage, with little mixing or interaction with the active flow-system.

In general, groundwater flow with the URC does follow the general expectations of any aquifer system on the flank of a gaining stream. Groundwater flow does trend toward and eventually discharge into Clear Creek, with a bias in the downstream direction. The karst elements of the flow system add significant irregularity to the manner in which groundwater travels to Clear Creek; however, the importance of those irregularities depends on the scale of concern. The principal uncertainties relate to specific flow paths, flow rates, and the mechanisms of mixing and storage that occur along a flow path. However, the bulk patterns of groundwater flow at the Site are understood adequately to constrain the risk that dissolved contaminant transport may pose to potential receptors. For a full report on the dye tracer studies performed at the Site, please refer to *Geology and Hydrogeology Report.* (**Appendix A**)

5.4 Site Characterization Summary

The following sections summarize the site characterizations, investigations and sampling that have been historically completed at the site through 2019. A complete and thorough discussion of site characterization and the conceptual site model (CSM) of the movement of creosote in the subsurface is contained in the *Geology and Hydrogeology Report* - Arcadis 2011a (**Appendix A**). Though additional investigation and assessment were conducted after the *Geology and Hydrogeology Report* - Arcadis 2011 was submitted to the IDEM, the CSM for the Site has not changed. Arcadis utilizes SGS North America, Inc. (SGS Labs) located in Orlando, Florida, to analyze soils, groundwater, and waste samples at the Site. Arcadis has provided a Quality Assurance Project Plan (QAPP) for SGS Labs in **Appendix F**.

5.4.1 Identified Constituents of Concern, Screening Levels, and Characteristics

The identified COCs detected in soil and groundwater at the Site are organic compounds associated with coal-tar creosote and are presented on **Table 1**. These COCs are screened against the 1996 IDEM VRP Tier II Default Closure Levels (IDEM 1996a) If cleanup goals for specific COCs were not established in the 1996 manual (IDEM 1996a), then other cleanup goals were utilized. These additional cleanup goals are included as part of the 1996 IDEM Non-Rule Lead Policy (IDEM 1996b) and 2006 RISC Default

Industrial Goals (IDEM 2006). Current 2020 IDEM guidance and screening levels were used for evaluation of off-site surface soils. These compounds include:

- The BTEX group of volatile organic compounds (benzene, toluene, ethylbenzene and xylenes), of which only benzene is commonly detected above IDEM closure goals. Analytical results for groundwater samples submitted for BTEX analysis are provided in **Table 3**.
- The group of 19 SVOCs known as polycyclic aromatic hydrocarbons (PAHs). The PAH compounds are the COCs most commonly detected above IDEM closure goals. The PAH compound naphthalene, which is among the most soluble and mobile in groundwater, is detected most often and at the highest concentrations of all COCs. Analytical results for groundwater samples submitted for SVOC analysis are provided in **Table 4**.
- A group of seven phenolic SVOCs. Of these, the compound pentachlorophenol is detected above IDEM closure goals most frequently. The highest concentrations of organic COCs occur where creosote is known to be present, evidence that the dissolve phase COCs are generated from dissolution of the creosote. Lower concentrations are detected at some wells where there is no indication that creosote has been physically present. At these locations, the suite of detected COCs is often smaller, yet the principal components (e.g., benzene, naphthalene, phenanthrene, 2-methylnaphthalene, fluoranthene) are the same as those detected in the presence of creosote, and thus are clear indicators of a creosote source.

Two other SVOCs, which belong to a class of chemicals known as “phthalates”, are occasionally detected in groundwater samples: butyl benzyl phthalate and bis(2-ethlyhexyl) phthalate. Of these two compounds, only bis(2-ethlyhexyl) phthalate has been detected periodically above the residential closure goals. These compounds are used as plasticizers in plastics, can be leached from plastics by water, and are also common laboratory contaminants. They are not noted as compounds contained in creosote or among those compounds found at wood-treating sites (USEPA, 1992). Furthermore, these chemicals are commonly detected in samples collected from wells that do not contain dissolved creosote compounds. Based on this information, phthalates are not considered to be COCs for the Site.

The metals, arsenic and lead, have also been identified as COCs; however, there is no apparent correlation of metals detections with creosote or other known site-related impacts. The analytical results for groundwater samples submitted for analysis of arsenic and lead concentrations are provided in **Table 3**. Arsenic and lead concentrations that exceed closure goals are distributed sporadically throughout the Site with no clear spatial pattern and have been detected in background locations such as MW-31C and MW-35C. Concentrations that exceed closure goals, moreover, are far more common in total (unfiltered) samples than dissolved (filtered samples) and are not consistently detected in consecutive sampling events. These observations suggest that the low levels of lead and arsenic detected in groundwater at the Site are naturally occurring, not derived from a Site-related source.

The identified COCs detected in soils at the Site are the same organic compounds associated with coal-tar creosote noted for groundwater above (**Table 1**) and follow the same screening criteria.

- Analytical results for surface soil samples submitted for BTEX analysis are provided in **Table 5**.
- Analytical results for sub-surface soil samples submitted for BTEX analysis are provided in **Table 6**.

- Analytical results for surface soil samples submitted for SVOCs analysis are provided in **Table 7**.
- Analytical results for sub-surface soil samples submitted for SVOCs analysis are provided in **Table 8**.
- The analytical results for surface soil samples submitted for analysis of metals (arsenic and lead) concentrations are provided in **Table 5**.
- The analytical results for sub-surface soil samples submitted for analysis of metals (arsenic and lead) concentrations are provided in **Table 6**.

Arsenic and lead concentrations that exceed 2006 (IDEM 2006) closure goals are distributed sporadically throughout the Site with no clear spatial pattern and have been detected in background locations such as MW-50A, and MW-53A. These observations suggest that the low levels of lead and arsenic detected in soil at the Site are naturally occurring, not derived from a Site-related source.

5.4.2 Sources of Environmental Impacts

The primary source of environmental impact at the Site was incidental leaks and spills of creosote within the former process area (**Figure 2**), where creosote was handled and stored. The overburden in this area is relatively thin and mostly unsaturated, and there are no uniform and continuous low-permeability layers that would act as capillary barriers to promote lateral spreading of the creosote; therefore, creosote moved primarily downward until it reached the bedrock.

Of the monitoring locations set within the overburden, only one piezometer and one well have historically been noted to contain creosote, P-1 and MW-3S; however, the accumulated thicknesses were either not measurable or were less than 0.5 feet. Both of these monitoring points were decommissioned in 2006 associated with construction of the pedestrian bridge by the City of Bloomington. The pedestrian bridge is located adjacent and parallel to Country Club Road and spans Clear Creek.

During warm periods, creosote present in shallow soils would seep out at the surface in small quantities from “bleed areas” located within or north of the former process area. The source of this shallow creosote may be related to the former drip tracks – rail lines where charges of freshly-treated ties were allowed to cool and shed excess creosote. The distribution of creosote in these soils is sporadic and limited to a depth of three feet, and the degree of creosote saturation appears slight. Based on these observations, this creosote is judged to be relatively immobile, and not to be an ongoing source of creosote to either Clear Creek or bedrock. These bleed areas were removed via excavations in 2011 and 2012 and are further discussed in the *CCR* (Arcadis 2019a) (**Appendix D**).

The majority of creosote in the subsurface resides in the bedrock and is limited to the Ramp Creek formation. The following two subsections describe how creosote is stored and distributed in the bedrock, and then provide a conceptual model explaining its movement.

5.4.2.1 Creosote Storage

Creosote in the bedrock is stored primarily in the secondary (fracture) and tertiary (solution) porosity. While the rock is expected to have appreciable primary porosity (several percent), the observations regarding the lack of creosote on rock core suggest that the pore spaces are too small for creosote to penetrate.

Creosote stored in the bedrock can be either residual (immobile) or pooled (potentially mobile). As noted earlier in this section, residual creosote can occupy up to approximately 20% of pore space in fractures. Reynolds and Kueper (2002) define fractures as rough, planar openings in rock having any orientation and mechanical apertures (openings) generally less than 2000 microns (0.2 cm). In solution enhanced features having opening sizes in excess of 2000 microns, the residual saturation may be close to zero because of the lack of opportunity for capillary trapping; therefore, the majority of the creosote stored in solution enhanced features would be pooled. The saturation within a DNAPL pool generally ranges from approximately 30% to 70% of pore space.

Values for the secondary and tertiary porosity for the Ramp Creek formation are not readily available; however, Worthington (1999) provides an estimate of the secondary porosity for Mississippian-aged carbonate rocks in the Mammoth Cave area of Kentucky of 0.03 percent. Because the tertiary porosity of the site bedrock is not well developed and appears limited to a small number of bedding planes containing anastomoses with apertures on the scale of a few inches or less, as well as occasional soil-filled grikes, it is estimated that the tertiary porosity is likely less than 1 percent.

Implications regarding the information presented above are:

- The solution porosity can store considerably more creosote than the secondary porosity, and it will be more likely to be pooled (potentially mobile) rather than residual.
- Since the secondary porosity is rather low (that is there are few fractures in this unit), a relatively small volume of creosote contained in this porosity could spread a long distance within the bedrock. In other words, just because creosote is encountered in a particular location, it doesn't necessarily mean there is a large volume.
- Wells containing creosote have been routinely monitored for a number of years. Accumulated creosote is periodically removed from wells, and efforts are made to maintain creosote levels to within the sumps of those wells so equipped. For further discussions on creosote removal operations, please refer to the 2019 *CCR* (Arcadis 2019a) (**Appendix D).** The collected data for creosote removal activities are contained in **Table 9**. Graphs depicting the volume of creosote removed from wells in the recovery program are contained in **Appendix G**. Note that for selected wells during selected monitoring events, only a portion of the creosote contained in the well was removed due to waste disposal issues or a lack of significant thickness; therefore, the cumulative amounts of creosote shown on the graphs for such wells may represent an underestimate of their true yield. Nevertheless, a total of approximately 5,420 gallons of creosote (approximately 10,560 gallons creosote and water mixture) has been removed from the bedrock through December 7, 2019. Nearly half (40%) of the total 5,420 gallons recovered has been removed from one location (approximately 2,165 gallons from RW-8). When factoring in two recovery wells adjacent to RW-8, over half (63%) of the recovered creosote has been produced from one portion of the site (RW-9 with approximately 760 gallons, and RW-14 with approximately 510 gallons recovered); located in the southwest corner (**Figures 2 and 4**).

In total, creosote has historically accumulated in 46 bedrock wells (**Table 9, Figures 2 and 4**), see table below. Of those, approximately twenty bedrock wells actively continue to produce measurable creosote,

with removal activities taking place at least once per year. An updated creosote removal table, with amounts recovered through the end of 2019 is presented in **Table 9**. Some of these wells are screened in the URC, some in the LRC, and those denoted with the prefix "RW" are screened across the entire Ramp Creek Formation.

Creosote Recovery	Wells Where DNAPL Observed
>1,000 gallons	RW-8
100-1,000 gallons	MW-51A, RW-4, RW-5, RW-9, RW-10, RW-14, RW-15, RW-17, RW-18
10-100 gallons	MW-21D, MW-24A, MW-27A, MW-39A, MW-48A, RW-1, RW-2, RW-3, RW-4, RW-5, RW-7, RW-13
1-10 gallons	MW-12D, MW-20D, MW-29B, MW-36B, MW-54A, RW-12, PH-1, PH-3, PH-7, PH-9, PH-11
<1 gallon	MW-3D, MW-14D, MW-15D, MW-16D, MW-19D, MW-22D, MW-23D, MW-25A, MW-26A, MW-36C, MW-37C, RW-6, RW-11, RW-16, RW-19

5.4.2.2 Creosote Extent

The observed horizontal limits of creosote in the bedrock are depicted on **Figure 4**. The creosote observations include wells where creosote has accumulated, as well as intervals where creosote globules or films were observed during drilling (in return water or on rock core) or during packer testing (in discharge water or on packer-test apparatus. As is evident from the **Figure 4**, creosote has migrated chiefly southeastward, southward, and southwestward from the former process area and is frequently pooled. Creosote has also migrated eastward from the former process area, and historically had been identified in Clear Creek in the form of occasional globules on the creek bottom. This occurrence prompted a remedial action designed to prevent creosote from discharging to the creek. The action consisted of installing a creek liner and associated creosote-collection system in the affected reach of creek in 2007. The location of the liner and collection system is shown on **Figure 2**. The collection system consists of three "interceptor trenches" installed into the shallow bedrock:

- One beneath the downstream end of the creek liner
- One along the stream bank adjacent to the liner, and

- One perpendicular to the creek trending west toward the access road

These trenches are routed to a common sump, the location of which is shown on **Figure 2**. Since the system was installed, no creosote has been observed in the creek or in the collection sump. More details regarding the liner system are contained in the *RWP* (Arcadis 2009). Neither free product creosote nor dissolved-phase concentrations have been observed at a cluster of three bedrock wells drilled on the opposite (east) side of the creek (MW-31A, B, and C).

Vertically, the shallowest observations of creosote generally occur beneath the former process area, whereas observations at more distal locations tend to occur at greater depths within the formation. This does not mean that creosote occurs only in the shallow bedrock at the former process area. At monitoring well MW-29B, which is screened in the LRC, from 10 to 20 feet above the contact with the Borden Group, DNAPL is present. The deepest observation of creosote occurs at well MW-48A. At this well, creosote was not observed during drilling; but a creosote thickness of 2.25 feet was observed within the well four days after it was installed. MW-48A has a ten-foot-long screen, with the screen bottom set at the contact between the LRC and the underlying Borden Group. Using the depth to bedrock at this location (approximately 20 feet) and the depth to the base of the screen (70 feet), the creosote containing interval is between approximately 40 to 50 feet below the top of bedrock. There is no evidence that the creosote is able to penetrate the Borden Group.

It is important to note that the limits of creosote are difficult to pinpoint for several reasons. First, the migration pathways are complexly distributed and occupy only a small percentage of the bedrock volume. Secondly, though evidence of creosote was observed during the drilling several of the wells, those observations were only in a small percentage of the rock core (< 1% of the rock core). A sheen was occasionally seen on the return water during drilling, and sheens or creosote droplets are occasionally seen on recovered rock core. Additionally, there was little evidence of creosote observed during drilling in the majority of the monitoring wells. This observation suggests that the creosote is non-wetting to the limestone and is often flushed from the secondary and tertiary porosity containing it during drilling. These observations also indicate that the creosote is limited to secondary and tertiary (solution) porosity and cannot invade the primary porosity of the rock.

5.4.2.3 Creosote Movement

Upon reaching the bedrock, moving creosote would spread out, following the slope of the bedrock surface, until it reached fractures that were sufficiently open for the creosote to enter. Given the persistent jointing of the rock, and the fact that a number of the joints have been widened by solution (forming grikes), it is expected that a creosote body would not have to travel a substantial distance along the bedrock surface before gaining entry. The fact that the bedrock bedding dips slightly means that open bedding planes periodically crop out at the bedrock surface as well. Such shallow bedding planes are also typically widened by solution in the shallow bedrock and would afford little resistance to creosote entry.

Once in the bedrock, the creosote would exploit the complex, interconnected pathways formed by the joints and open bedding planes. The vertical joints would allow creosote to move downward; however, several factors serve to limit the downward movement to within the Ramp Creek Formation:

- Most joints penetrate only one or several beds before they truncate on a bedding plane fracture.
- Joints tend to close with depth – even master joints that can penetrate multiple beds.
- Grikes also taper with depth, as the corrosivity of downward-moving groundwater diminishes rapidly as it contacts and dissolves the rock.
- The expected small aperture (width) of any joints in the Borden group and the very strong upward hydraulic gradient between the Borden Group and LRC combine to make the Borden Group an effective capillary barrier to the creosote.

As noted in Section 4.2, the predominant orientation of joints is east-west, with a secondary set of joints oriented north-south. Lateral movement of the creosote in the joints would be limited to these two orientations.

Although joints may be more likely to allow creosote to enter the bedrock, as creosote accumulates in joints, it will also move outward in the open bedding planes that intersect them. Conceptually, creosote in a bedding plane can move in any direction laterally. The actual direction of migration in a bedding plane will be affected by the bedding dip, the direction of the hydraulic gradient, the properties of the creosote body, and the orientations of interconnected, larger aperture regions in the bedding plane. In those bedding-plane fractures in the URC that have been widened by solution and contain anastomoses, creosote would be expected to migrate freely throughout the solution porosity where it is not clogged with sediment. The interplay between these myriad factors, coupled with the laterally discontinuous nature of the open bedding planes, results in a complex distribution of creosote in open bedding planes at the borehole and site scale.

In the solution porosity of the URC, another mechanism may influence creosote movement, namely turbulent flow. The frequent observed loss of drilling water, evidence of voids, and high groundwater velocities demonstrated by the dye traces conducted at the site indicate that turbulent flow of groundwater can occur. In a turbulent flow regime, droplets of creosote can be mobilized and transported with the moving groundwater. Such mobilized creosote could be ejected from springs or settle in low spots in the conduit network further downgradient, as turbulent-flow conditions subside. While turbulent flow could complicate creosote movement and distribution, the general absence of creosote in the creek and creek sediments suggests that this potential mode of transport is not significant in terms of delivering creosote to the land surface.

Integrating the above information with the observations of creosote made during drilling and at monitoring wells, reveals several modes of transport that appear to be at play. Creosote has moved predominantly southeastward, southward, and southwestward horizontally, as well as downward with distance from the former process area. This distribution is interpreted to result from the following:

- Southeastward and southward movement from the former process area: A combination of south-southeastward movement along solution-widened bedding planes (where the porosity appears to have formed along strike, which is aligned roughly N-S), and eastward movement along joints of the predominant (E-W oriented) joint set. The movement in these directions is likely aided by moving groundwater. As open bedding planes pinch out or become occluded with sediment, the

creosote would be expected to move laterally until encountering an open joint, at which point it would move downward until a deeper, open bedding plane were encountered and the process would repeat itself, leading to a downward “stair-stepping” effect. It is possible that, given a strong enough upward hydraulic gradient, the creosote could move upward. While such upward movement has been documented in the literature, the observed increasing depth of creosote with distance from the source, coupled with the absence of creosote in Clear Creek (beneath which upward hydraulic gradients would be greatest) suggests that there are few if any joints that would allow upward movement, and where such pathways exist, the upward hydraulic gradients are not great enough to offset the downward driving force due to the density of the creosote. On the east side of Clear Creek, three factors combine to limit eastward movement. First, the direction of hydraulic gradient would generally reverse, making it more difficult for the creosote to continue moving eastward. Second, for creosote moving along bedding planes, eastward movement would require that the creosote move up dip. Lastly, as creosote stair-steps downward, toward and beneath the valley wall and beneath the zone of karst weathering, joints and bedding planes will become tighter and opposing hydraulic gradients stronger. These factors will serve to limit the eastward movement of creosote on the east side of Clear Creek.

- Southwestward movement from the former process area: The southwestern component of creosote movement indicates that hydraulic gradients in the joints and bedding plane fractures are not great enough to completely arrest creosote movement in this direction, since this movement direction is generally against the hydraulic gradient (on the west side of the creek). Two processes are interpreted to be responsible for this direction of movement. The first is westward movement of creosote along the predominant joint orientation. While eastward movement of creosote in an E-W trending joint would be favored (on the west side of the creek) because groundwater would also be expected to be moving eastward toward the creek; westward movement could occur, particularly along solution-widened joints, where the strength of the hydraulic gradient needed to move water through the joint would be slight. The second process responsible for moving creosote westward is the local dip of the bedding. Again, in the solution-widened porosity, the strength of the hydraulic gradient would be slight and apparently is not great enough to arrest down-dip movement of creosote due to gravity. Similar to the case of eastward movement (above), with distance westward, bedding planes and joints would be expected to tighten with depth, serving to restrict further westward movement.

To date there is no clear evidence the creosote is continuing to migrate. Creosote has not been observed in Clear Creek in appreciable amounts since the creek liner system was installed, and there have been no monitoring wells that were creosote-free for a long period of time and then had creosote appear. Nevertheless, the relatively high viscosity of the creosote would tend to cause it to move relatively slowly and increase the time required for a significant release volume that occurred over a protracted timeframe to reach its final distribution. For this site, the timescale of creosote migration could be on the order of decades.

5.4.3 Extent and Concentration Levels of Environmental Impacts

The nature and extent delineation of the impacts from the former operations at the Site has been thoroughly assessed and investigated throughout the history of the site. Over 500 soil borings, 119 monitoring wells, 19 recovery wells and 4 pilot holes have been drilled at the site as part of these

investigations. Over 1,000 soil samples, 50 sediment samples and 1,000 groundwater samples have been collected and submitted for laboratory analysis from the Site since 1987. These data have allowed a detailed understanding of the concentration levels of the COCs and what remedial actions would be required to reduce those concentrations below the 1996 IDEM VRP Tier II Non-residential Cleanup Goals. Furthermore, extensive soil and bedrock remediation activities (over 22,000 tons removed from the Site), sediment removal activities (over 500 tons removed from the Site), and effective recovery of DNAPL creosote (over 10,500 gals of DNAPL/water – 5,420 being DNAPL only from the Site) has allowed for a comprehensive understanding of the residual impacts left at the site.

5.4.3.1 Onsite Soils

Over 22,000 tons of surface soil, subsurface soil and bedrock have been excavated and disposed off-site throughout the history of this project to include 11,500 tons during the removal of a 40,000 gallon process tank in 1991, 1,500 tons for the installation of the pedestrian bridge in 2006, 1,875 tons of soil and bedrock from the installation of the creek liner in 2007, and over 9,000 tons from the over-excavation efforts to achieve an acceptable EPC for the Site soil from 2011-13. Additionally, over 1,000 soil samples have been laboratory analyzed from over 500 soil borings completed at the Site. This extensive data set was evaluated to determine if the remedial objectives for the on-site soil cleanup goals were achieved. The locations of the soil borings and soil sample concentrations above the IDEM cleanup goals (as designated by the yellow triangles on the figures) are shown on **Figures 6 and 7**. The soil sample data is also contained in **Tables 5 through 8**.

The soil datasets were divided into two groups: surface soil, which includes samples collected from 0 to 2 ft bgs, and subsurface soil, which includes samples collected from 2 ft bgs to first encountered groundwater as defined by the 1996 IDEM VRP Guidance Manual. After the final soil excavation activities, the surface soil concentrations were re-evaluated and the revised EPC calculated for the Site, which were then below the IDEM cleanup goal. The Site subsurface soil will be addressed through future land use restrictions (ERC) as commercial/industrial, therefore no further action is warranted, though a significant amount of subsurface source material (contaminate mass) was removed during the over-excavation activities. The on-site soil concentrations and EPC development is discussed in greater detail in the *Limited Risk Assessment* - Arcadis 2015 **(Appendix C)**

5.4.3.2 Offsite Soils

Multiple soil borings (completed as monitoring wells) have been installed off-site as part of this project. Between 2009 and 2012, twenty (20) surface and sub-surface soil samples were collected from the off-site monitoring well installation locations and analyzed for the Site COCs. Off-Site soil sampling locations are illustrated on **Figures 6 and 7** and the off-site soils data is presented in **Tables 5 through 8**.

The off-site soils have been evaluated and compared to the 1996 IDEM VRP Tier II Residential Cleanup Goals. All COCs in the off-site surface and subsurface soils are below the 1996 IDEM VRP Tier II Residential Cleanup Goals. Additionally, all COCs are below the current 2020 IDEM Screening Levels (IDEM 2020), except for naturally occurring arsenic, though the highest arsenic concentration (21.4 mg/kg detected at MW-51A) is below the 2019 IDEM Recreational Soil Direct Contact Screening Levels. There is no unacceptable risk associated with the off-site soils and no further action is required.

5.4.3.3 Onsite Groundwater and DNAPL

Approximately 1,050 groundwater samples have been collected from approximately 100 on-site groundwater monitoring wells between 2000 and January 2020 to include select monitoring wells with DNAPL creosote. Based on the results of these groundwater samples (**Tables 3 and 4),** the nature and extent of the COCs in groundwater has been delineated. Furthermore, DNAPL thickness has been monitored in the recovery wells and monitoring wells continuously as part of the on-going free-product DNAPL creosote recovery program and the periodic monitoring well sampling events. The distribution of VOCs and DNAPL in the monitoring wells is shown on **Figure 4.** The distribution of benzene (main driver in groundwater concentrations) is above the 1996 IDEM VRP Tier II Non-residential Cleanup Goals (IDEM 1996a), is shown on **Figure 5**. For a more detailed discussion of the CSM of DNAPL creosote and groundwater COC concentrations please refer to the *Geology and Hydrogeology Report* - Arcadis 2011a (**Appendix A**).

The COCs detected in the groundwater concentrations above the IDEM Cleanup Goals have remained stable and/or decreasing. The concentrations are expected to continue to decline and an ERC will be placed on the Site to remove groundwater as a potential exposure pathway. The DNAPL creosote has been monitored and recovered since implementation of the DNAPL Creosote Recovery Program in 2001. The volume of DNAPL creosote has decreased significantly in both recovery wells and monitoring wells with the peak volume in 2013. The strategic removal of DNAPL creosote has reduced the mobility of the residual creosote, reduced the pressure and saturation of DNAPL creosote in the bedrock and reduced a significant portion of the contaminate mass in the bedrock. No further action is required associated with the DNAPL creosote as an ERC will be placed on the Site.

5.4.3.4 Offsite Groundwater and DNAPL

The nature and extent delineation of groundwater impacts off-site has been completed as shown on **Figures 4 and 5** with the groundwater datasets presented in **Tables 3 and 4**. Approximately 250 groundwater samples have been collected from 20 monitoring wells located off-site from 2009 through 2019. These groundwater samples were analyzed for Site identified COCs. Furthermore, DNAPL creosote has been detected in a few of the off-site monitoring wells close to the western portion of the Site but has not been detected in the “outer ring” of monitoring wells installed as part of the nature and extent delineation.

Similar to the on-site wells, the COCs detected in the groundwater concentrations above the IDEM Cleanup Goals have remained stable and/or are decreasing. The concentrations are expected to continue to decline and either an ERC or an ERO will be placed on the impacted off-site properties to remove groundwater as a potential exposure pathway, or alternative measures will be implemented. The off-site DNAPL creosote has also been monitored and recovered since implementation of the DNAPL Creosote Recovery Program in 2001. The volume of DNAPL creosote has decreased significantly in the monitoring wells with the peak volume in 2013. The strategic removal of DNAPL creosote has reduced the mobility of the residual creosote, reduced the pressure and saturation of DNAPL creosote in the bedrock and reduced a significant portion of the contaminate mass in the bedrock. No further action is required associated with the DNAPL

creosote as either an ERC or ERO will be placed on the impacted off-site properties, or alternative measures will be implemented.

5.4.3.5 Sediment and Surface Water

A baseline ecological assessment (BEA), as defined by IDEM (1996a), was conducted by Arcadis in 1999 for the Site and was detailed in the *Phase II Investigation Report* (Arcadis 2003). The BEA identified Clear Creek as an ecologically susceptible area, requiring evaluation of potential risks. Based in part on the results of the BEA and the intermittent presence of DNAPL globules on the creek bottom immediately adjacent to the former operations area, a creek liner was installed along an approximate 170 foot section of Clear Creek within the northern tract of the Site in 2007.

A Screening-Level Ecological Risk Assessment (SLERA) was conducted along Clear Creek after the installation of the creek liner. Sediment and surface water samples were obtained from Clear Creek in 2010 to evaluate the effectiveness of the creek liner mitigation efforts. The SLERA focused on the COCs at the Site which included DNAPL (creosote), selected SVOCs (phenols, phthalates, and priority pollutant and alkylated PAHs), and selected VOCs (BTEX), and metals (total, dissolved, and as simultaneously extracted metals [SEM]-acid-volatile sulfide [AVS]). The results of the SLERA are presented in the *Screening-Level Ecological Risk Assessment for Clear Creek* - Arcadis 2011c (**Appendix B**).

The results of the definitive SLERA indicate that ecologically significant adverse effects are unlikely at the Clear Creek Study Area due to Site related COCs. Therefore, further investigation of potential ecological risks and remediation to reduce potential ecological risks are not warranted for Clear Creek. As a proactive measure, over 500 tons of sediment were removed from two sand bars immediately south of Country Club Road because an intermittent sheen was observed when those sediments were disturbed. There were no other areas in Clear creek observed to show a sheen and no areas show sheens during the annual creek walk inspection. For more in depth discussions on ecological assessments performed at the Site, please refer to the *Phase II Investigation Report* (Arcadis 2003) and *Screening-Level Ecological Risk Assessment for Clear Creek* - Arcadis 2011c (**Appendix B**).

5.4.3.6 Vapor Intrusion

The potential for vapor intrusion (VI) related to COCs was evaluated through a proactive VI Assessment conducted on the eastern commercial plaza and also an evaluation of the VI lines of evidence for the residential homes off-site to the west of the Site. The VI evaluation of the Walnut Station Commercial Plaza building on the eastern portion of the Site is documented in the *Limited Risk Assessment Report* - Arcadis 2015 (**Appendix C**). The full Level IV Quality Assurance/Quality Control (QA/QC) results of the VI evaluation are presented in **Appendix H**, which were requested by the IDEM in the July 25, 2019, *Current Conditions Report Comment Letter* (IDEM 2019) which is provided within **Appendix E**.

In November 2010, Arcadis completed a VI assessment at the Walnut Station Commercial Plaza building which is on the eastern portion of the Site. Based on investigation and assessment data, the groundwater impacts and DNAPL creosote appear to be closer to the Walnut Station Commercial Plaza than any other structure near the Site. Indoor air, ambient air and sub-slab samples were collected using USEPA Methods TO-15 and TO-17. Indoor air, ambient air and sub-slab samples were analyzed for benzene, toluene, ethylbenzene, m,p-xylene, o-xylene (BTEX) and naphthalene by USEPA Method TO-

15 and analyzed for naphthalene, 2-methylnaphthalene, acenaphthylene and phenanthrene by USEPA Method TO-17. The concentrations detected in the indoor air and sub-slab vapor were compared to the 2010 IDEM Commercial Indoor Air Action Levels and Sub-Slab Action Levels to identify COCs.

All indoor air, ambient air and sub-slab sample results were below IDEM residential and commercial screening levels as shown in Table 1 through Table 4 of the May 2015, *Vapor Intrusion Investigation Report* (Arcadis 2011b), which was presented as Appendix A in the *Limited Risk Assessment Report* - Arcadis 2015 (**Appendix C**). Based on the data, vapor intrusion does not appear to be a significant risk at the Walnut Station Commercial Plaza. Thus, an extrapolation of these results to other off-site structures further away from groundwater impacts and DNAPL creosote also would conclude vapor intrusion is not significant risk.

Arcadis also conducted an VI evaluation of impacts present in groundwater off-site to the west of the Site **(Figure 5).** The groundwater impacts are in the deeper geologic zones (Upper and Lower Ramp Creek), not in the shallow groundwater system. Vapor Intrusion (VI) concerns are based on shallow groundwater attenuating through the vadose zone into homes and buildings. There are several monitoring wells, on the western portion of the site, screened across the alluvium and upper bedrock zones (i.e. MW-45C, MW-36A, MW-6S, MW-6D and MW-37A) in which the groundwater concentrations are non-detect. The VI assessment to the west identifies the LOEs using the IDEM Remediation Closure Guide (RCG), United States Environmental Protection Agency (USEPA), and Interstate Technology & Regulatory Council (IRTC) guidance. Based on the evaluation and utilizing the IDEM's screening process in the RCG, VI is not considered an issue based on the following LOEs.

- There have not been any emergency conditions (petroleum vapors) detected nor reported in the neighborhood.
- No significant preferential pathways have been identified.
- There is no free product within 30 ft of the foundations of the homes.
- Benzene concentrations in groundwater, both currently and historically, have been well below 1,000 µg/L and the groundwater is at a depth of greater than 25 ft below ground surface (bgs); including monitoring wells containing free product creosote. The benzene concentrations in the groundwater in the monitoring wells along the western property boundary, and within monitoring wells residing in the neighborhood west of the Site have been stable since implementation of sampling activities.
- As stated earlier, the depth to groundwater is greater than 25 ft bgs and not in contact with the residential homes.
- The clean, unconsolidated soil is approximately 15-20 feet thick bgs beneath the neighborhood; with shallow groundwater encountered approximately 25-30 feet below ground surface.
- Additionally, the VI Assessment conducted in the commercial buildings on the east side of Clear Creek demonstrated even in the worst-case scenario, VI was not an issue.
- Furthermore, none of the residential homes to the west of the site have basements, except for two homes, which have only partial basements. The LOE still apply to those two homes with partial basements. As part of this evaluation, Arcadis reviewed the current property cards in the Monroe County Geographic Information System (GIS) for the neighborhood to the west of the Site.

6 SUMMARY OF RISKS ASSOCIATED WITH THE SITE

Arcadis prepared a limited risk assessment on behalf of CSX to assess potential human health risks associated with the Site. Please refer to the *LRA* - Arcadis 2015 (**Appendix C**) for a detailed discussion of the risks associated with the Site.

The risk assessment evaluated the COCs at the Site. These COCs included DNAPL (creosote), select SVOCs (phenols, phthalates, and alkylated PAHs), select VOCs (BTEX), and select metals (arsenic and lead). The *LRA* evaluated the potential current and hypothetical future risks and hazards to human health associated with the creosote-related COCs detected in the surface and subsurface soil, groundwater, sediment, surface water, indoor air, ambient air and sub-slab vapors samples. Arcadis evaluated the potential exposure routes including ingestion, dermal and inhalation from the creosote related COCs. Results of the *LRA* determined that the only complete exposure pathways are related to contact with surface soil by a site worker and the inhalation of vapors in indoor air by an off-Site worker. Based on these results, the *LRA* focused on the potential human health risks to the exposure of on-site surface soil and the potential for off-site vapor intrusion.

Based on the soil and groundwater data for on-site and off-site and the results of the vapor intrusion study conducted in a building located adjacent to the Site, vapor intrusion potential is not a significant risk. Additionally, based on the proactive remedial activities for the Site soil, evaluation of Site soil data, and development of the Site surface soil EPC; surface soil does not present any unacceptable risk.

The exposure pathways and exposure routes for the current and future use of the Site evaluated in this limited risk assessment conclude there are no unacceptable risks at the former Indiana Creosoting Company facility based on the supporting lines of evidence summarized below and detailed in the *LRA* - Arcadis 2015 (**Appendix C**)

6.1 Surface Soil

The majority of the more heavily impacted areas of surface soil at the Site have been over-excavated. After excavating, EPCs were then calculated for the various COCs remaining at the Site. The calculated EPCs for the Site COCs were below their respective 1996 IDEM VRP Tier II Non-residential Closure Goals. There are no occupied buildings on the Site and an on-site ERC will restrict future building at the Site to accommodate for potential VI. In the unlikely event a building is constructed on site, a focused soil gas investigation will be required in the area of the planned building and/or engineering controls must be implemented prior to occupation. Based on these lines of evidence, the potential exposure for risk to human health from exposure to surface soil via ingestion, dermal contact or inhalation of dust and VI is not complete. The off-site surface soils have been evaluated and compared to 1996 IDEM VRP Tier II Residential Cleanup Goals. All COCs in the off-site surface and subsurface soils are below the 1996 IDEM VRP Residential Cleanup Goals.

6.2 Subsurface Soil

The Site is currently vacant and CSX intends to place an ERC on the Site. Redistribution of soil will be restricted under the terms of a proposed ERC, therefore, contact with subsurface soil is not expected to

occur. In the unlikely event on-site construction does occur, a soil gas investigation and/or engineering controls are recommended as outline above. In addition. a Construction/Soil Management Plan should be developed to address potential exposure to COCs via incidental ingestion, dermal contact and the inhalation of dust and vapors in outdoor air. Based on these future mitigation factors, potential risk to human health from exposure to subsurface soil via ingestion, dermal contact, the inhalation of dust and vapors in the outdoor air, or the inhalation of indoor air vapor will be eliminated.

6.3 Groundwater

Though there are residual groundwater impacts both on-site and off-site, there are no known drinking water wells in the vicinity of the Site. In addition, the Site is located within an area of municipally supplied water. Furthermore, a combination of an ERC and/or ERO will restrict the installation of new drinking water wells on and downgradient from the Site, or alternative measures will be implemented. Based on these future mitigation factors, the risk to human health from exposure to groundwater via ingestion presents no unacceptable risks and will appropriately managed.

6.4 Sediment and Surface Water

To evaluate the effectiveness of completed mitigation efforts in Clear Creek, a SLERA was completed in 2010 using sediment and surface water samples collected from Clear Creek. The results of the SLERA indicate that ecologically significant adverse effects are unlikely at the Clear Creek Study Area due to Site related COCs. For further detailed discussions of risks associated with the sediments and surface water, please refer to the previously submitted Screening-Level Ecological Risk Assessment Report - Arcadis 2011 **(Appendix B)**.

6.5 Vapor Intrusion

A proactive VI Investigation was conducted on the commercial plaza located to the east of the Site and an evaluation of the potential VI impact from groundwater was conducted on residential off-site properties located to the west of the Site. Based on the data, there is no significant risk from VI to the commercial plaza on the eastern portion of the Site. In addition, there is no significant risk from vapor intrusion from the off-site groundwater impacts to the residential homes located west of the Site.

6.6 Baseline Ecological Risk Assessment

A baseline ecological assessment (BEA), as defined by IDEM (1996a), was conducted by Arcadis in 1999 for the Site and was detailed in the *Phase II Investigation Report* (Arcadis 2003). The BEA identified Clear Creek as an ecologically susceptible area, requiring evaluation of potential risks. Based in part on the results of the BEA and the intermittent presence of DNAPL globules on the creek bottom immediately adjacent to the former operations area, a creek liner was installed along an approximate 170-foot section of Clear Creek (within the northern tract of the Site) in 2007. A SLERA was completed along Clear Creek after the installation of the creek liner.

As previously noted, the results of the SLERA indicate that ecologically significant adverse effects are unlikely at the Clear Creek Study Area due to Site related COCs. Therefore, further investigation of

potential ecological risks and remediation to reduce potential ecological risks are not warranted. For more details on ecological assessments performed at the Site, please refer to the *Phase II Investigation Report* (Arcadis 2003) and *Screening-Level Ecological Risk Assessment for Clear Creek* - Arcadis 2011c (**Appendix B**).

7 REMEDIAL STRATEGY

Because of the past known impacts from the Former Indiana Creosoting Company operations to the soil, groundwater, sediment and surface water; proactive remedial activities have been conducted at the Site. CSX has performed extensive over-excavation of impacted soil and sediment, implemented an effective DNAPL creosote reduction program, and conducted numerous groundwater and surface water sampling events to prepare the Site for closure. The thorough nature and extent assessments and investigations have allowed for CSX to develop a detailed CSM and understand the characterization of the impacts to the various media on-site and off-site.

Based on the detailed work activities conducted in the past, the most appropriate approach for managing the site is a combination of nature and extent characterization, proactive remedial action, conducting a risk assessment of the residual impacts and use of institutional controls or alternative measures to mitigate the residual impacts. The following sections summarize the remedial strategy for each of the media with detailed discussions in the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A),** *Screening-Level Ecological Risk Assessment* - Arcadis 2011c **(Appendix B),** *Limited Risk Assessment* - Arcadis 2015 **(Appendix C),** and the *Current Conditions Report* - Arcadis 2019a **(Appendix D).**

7.1 Soil Excavation and Removal

Over 22,000 tons of surface soil, subsurface soil, bedrock and sediment have been excavated and disposed off-site throughout the history of this project to include 11,500 tons during the removal of a 40,000 gallon process tank in 1991, 1,500 tons for the installation of the pedestrian bridge in 2006, 1,875 tons of soil and bedrock from the installation of the creek liner in 2007, over 9,000 tons from the over-excavation efforts from 2011-13, and 550 tons from the sediment removal in 2012. Additionally, over 1,000 soil samples have been laboratory analyzed from over 500 soil borings completed at the Site. This extensive data set was evaluated to determine the remedial objectives for the on-site soil cleanup goals. The locations of the soil borings are shown on **Figures 6 and 7** and the soil sample data is contained in **Tables 5 through 8**.

CSX and Arcadis conducted voluntary excavations of onsite creosote bleeds, impacted soils, and areas with elevated benzo(a)pyrene levels at the Site, from December 2011 through October 2013, which is further discussed in the *CCR* (Arcadis 2019a) (**Appendix D**). The creosote bleed soils and impacted soils at the Site were a result of past operations of the former Indiana Creosoting Company which operated from the early 1900s to 1976. Elevated benzo(a)pyrene areas were identified following a limited risk assessment (section 4.4.3.1) on behalf of CSX. Excavations were conducted at twenty (20) different areas across the Northern and Southern tracts of the Site.

Prior to implementation of excavation and/or construction activities, Arcadis conducted waste characterization investigations in 2007 and 2013 on the surface and subsurface soils within the twenty (20) areas of interest. The samples were analyzed for toxicity characteristic leaching procedure (TCLP) VOCs, SVOCs and metals and the results classified the soil as non-hazardous.

A total of 9,051.69 tons of creosote bleed soils and impacted soils with elevated levels of benzo(a)pyrene were excavated from areas of interest across the northern and southern tracts and disposed off-site at

Twin Bridges RDF Waste Management Subtitle D facility located in Danville, Indiana. Excavation depths ranged from 2 feet below ground surface (bgs) to 5 feet bgs, depending on the area of interest (**Figures 6 and 7**). All soil boring locations and excavated areas are shown on **Figures 6 and 7**. Soil COC concentrations above the 1996 IDEM VRP Tier II Non-residential Cleanup Goals remaining in place are also shown on **Figures 6 and 7** as well as on **Tables 7 and 8**.

No additional soil excavations are warranted at this time.

7.1.1 Confirmation Sampling of Soil Excavation

2011-12 Excavation Activities

A total of 36 subsurface soil confirmation samples were collected across the eight (8) areas of interest from late 2011 to early 2012, prior to the backfilling of each excavation area (**Figures 6 and 7**). There were no surface soil samples collected because the excavated areas not only removed the surface soil, but also the excavations were completed spatial outward to surface soil locations with known concentrations. The subsurface soil confirmation samples were analyzed for Metals (Arsenic and Lead) US EPA SW-846 Method 6010; BTEX SW-846 Method 8260; and SVOCs US EPA SW-846 Method 8270. Confirmation samples were collected across the bottom extents of each excavation area; the depths of which ranged from 2 feet to 5 feet below pre-excavation ground surface.

No BTEX or Metals concentrations were detected above 1996 IDEM VRP Tier II Non-residential Cleanup Goals in the subsurface soil confirmation samples submitted for laboratory analysis (**Tables 5 and 6**). SVOC concentrations were detected in 2 of the 36 subsurface soil samples above the Tier II Industrial IDEM VRP cleanup goals (Area-J-CS-3 and Area-J-CS-4). These subsurface soil confirmation samples were collected in excavation Area J, along the unpaved road, and former rail bed, which runs north to south through the northern tract of the Site. Confirmation sampling results for SVOCs in soils is presented in (**Tables 7 and 8**). Because an ERC will be placed on the Site restricting the excavation of soils, no further action is warranted for the subsurface soils.

2013 Excavation Activities

Due to the changes to the risk assessment guidance, specifically changes to the ProUCL portion of the calculator; additional surface soil was excavated to meet the new guidance. There were an additional 11 areas excavated to meet the required EPC goals for surface soil. One confirmation sample was collected from each of the eleven (11), prior to the backfilling of each excavation area. As benzo(a)pyrene is the only COC which required additional characterization, the soil confirmation samples were analyzed for SVOCs US EPA SW-846 Method 8270 for benzo(a)pyrene only. No benzo(a)pyrene concentrations were detected above 1996 IDEM VRP Tier II Cleanup Goals in the surface soil confirmation samples submitted for laboratory analysis. Refer to the *LRA* (Arcadis 2015) (**Appendix C**) for the rationale on the additional excavations of the eleven (11) benzo(a)pyrene areas.

As noted in the above section and EPC discussions in Section 4.4.3.1, no additional soil excavations are warranted at this time.

7.2 Groundwater and DNAPL Creosote Monitoring

Approximately 1,050 groundwater samples have been collected from over 100 on-site groundwater monitoring wells between 2000 and January 2020 to include select monitoring wells with DNAPL creosote. According to the results of these groundwater samples (**Tables 3 and 4**), the distribution of Site COCs correlates directly to the distribution of creosote as the source of the dissolved COCs. Furthermore, DNAPL thickness has been monitored in the recovery wells and monitoring wells continuously as part of the on-going free-product DNAPL creosote recovery program and the periodic monitoring well sampling events. The distribution of VOCs and DNAPL in the monitoring wells is shown on Figure 4. The distribution of benzene, which is the main driver in groundwater concentrations, above the non-residential IDEM Screening Levels (IDEM 1996a), is shown on **Figure 5**. For a more detailed discussion of the CSM of DNAPL creosote and groundwater COC concentrations please refer to the *Geology and Hydrogeology Report* - Arcadis 2011a **(Appendix A**). Per the July 25, 2019 *Current Conditions Report Comment Letter* (IDEM 2019) (**Appendix E**), IDEM made note that:

Quarterly groundwater sampling activities have been conducted at the Site on a majority of the monitoring wells between 2008 and 2012. The data shows groundwater analytical concentrations have been stable over the last 10+ years. Since 2012, CSX has been conducting free product (creosote) removal activities, and groundwater sampling events were scheduled on a periodic basis until significant reduction in free product removal was evident at the Site. As part of Arcadis' groundwater monitoring protocol at the Site, monitoring wells exhibiting measurable creosote and/or historically measurable creosote are generally not sampled; with the exception of off-site monitoring wells exhibiting measurable creosote. Though some on-site monitoring wells with free product have also been sampled periodically to determine the dissolved concentrations in the groundwater in those wells for risk analysis. Free product thicknesses will continue to be documented during the free product removal events and the upcoming quarterly groundwater sampling events for final documentation in the Remediation Completion Report.

As discussed in the September 4, 2019 meeting with the IDEM, CSX has agreed to sample a subset of the of monitoring well network (over 100 wells in the network of this project) on a quarterly basis. Arcadis has reviewed historical groundwater analytical data, historical groundwater elevation data, hydrogeologic zones within the subsurface, geologic interval/monitoring well screen setting data, historical DNAPL presence within monitoring wells, and spatial distribution of monitoring wells to determine the subset of monitoring wells at the Site for the requested quarterly groundwater sampling. This network focuses on those wells with higher conductivities as well as wells in which tracer was detected in during the various tracer studies in the past. Furthermore, certain wells were eliminated from consideration, as they have been shown to have poor connectivity to the karst flow system (i.e. all the wells completed in the Borden Formation, most of the wells in the Lower Ramp Creek Formation and several of the wells in the Upper Ramp Creek Formation).

A subset of 24 monitoring wells has been selected as a representative set to determine water quality for this project **(Table 10, Figure 9).** These monitoring wells will be sampled on a quarterly basis for a period of two years (eight quarters), or until quarterly sampling is deemed no longer necessary as agreed upon by the IDEM and CSXT/Arcadis. This subset of monitoring wells will be sampled via low flow and/or bailer sampling methodologies, as described in Section 3.3.2 of the *CCR* (Arcadis 2019a) (**Appendix D**). This proposed list of monitoring wells to be sampled is presented in **Table 10** and on **Figure 9**. Please note,

all monitoring wells in the network will be sampled for the final groundwater sampling event, in preparation for Site closure.

Additionally, the IDEM requested one of the eight quarterly sampling events be a stormwater groundwater sampling event. To determine which monitoring wells will be sampled during the stormwater event, Arcadis will deploy a series of transducers in nine (9) monitoring wells within three different geologic units (unconsolidated alluvium, Upper Ramp Creek, and Lower Ramp Creek) at the Site. The transducers will assist in determining how the karst flow system responses to rain events, including what minimal size of rain event effects the flow system and which wells and geologic units will be affected the most. Upon evaluation of the hydrogeologic data (focusing on the rainfall events), a smaller subset of monitoring wells will be sampled for the stormwater event from the list of the proposed monitoring wells.

A smaller subset is proposed because sampling of the current proposed 24 wells is expected to take 2 days and any substantial stormwater event may be over within hours. Therefore, monitoring well sampling during the stormwater event is expected to be limited to a smaller subset that can be sampled within the response time of the stormwater event. The IDEM will be notified of the results of the transducer (water elevation) testing and Arcadis will propose a subset of wells to conduct the stormwater event. The event will not be conducted until the subset of wells has been agreed upon between the IDEM and CSXT/Arcadis.

The transducer evaluation is expected to take place in the spring of 2020 starting around the mid-March timeframe and extending for 3 months until mid-May. Once the subset of wells has been agreed upon, Arcadis will begin monitoring the weather for the minimal rainfall event for sampling purposes. Arcadis will utilize a real time monitoring system to alert Arcadis personnel of a rainfall event of more than 0.25 inches of precipitation within a 24-hour period. Arcadis will mobilize to the Site as soon as possible and collect groundwater samples from this predetermined subset of monitoring wells. Arcadis proposes to sample this subset of monitoring wells via bailer sampling methodology, which allows Arcadis to have the proper equipment ready and available to sample post storm flow event as soon as possible.

Arcadis began quarterly groundwater sampling of the proposed subset of monitoring wells during the 4th Quarter of 2019 and will continue to sample quarterly until 8 consecutive quarters has been achieved (3rd Quarter of 2021). Groundwater sampling analytical data from the 4th Quarter 2019 sampling event are provided in **Appendix I**.

7.3 DNAPL Creosote Recovery

The objective of DNAPL Creosote Recovery program at the Site is to reduce pressure and saturation, reduce mobility and reduce contaminate mass, as well as to reduce impacts within the dissolved phase groundwater at the Site.

Arcadis designed, constructed, tested, and implemented a portable DNAPL remedial system that drastically minimized free phase creosote and creosote vapors; this enhanced DNAPL recovery system began initial operations in May 2012. The remedial system developed is an enclosed process known as the Enhanced DNAPL Recovery System. For a full overview of the Enhanced DNAPL Recovery System, refer to the Section 3.3.2 in the *CCR* - Arcadis 2019a (**Appendix D**).

Active recovery utilizing the Enhanced DNAPL Recovery System began in May 2012, starting with recovery well RW-8 and monitoring well MW-21D. Since May 2012, sixteen (16) additional recovery

and/or monitoring wells containing DNAPL were equipped to support the DNAPL recovery system. Wells currently equipped for DNAPL recovery include: MW-21D, MW-24A, MW-51A, MW-54A, RW-2, RW-3, RW-4, RW-5, RW-7, RW-8, RW-9, RW-10, RW-12, RW-13, RW-14, RW-15, RW-17, AND RW-18 (**Figures 2 and 4**). See **Table 9** for all historical DNAPL recovery data since 2000. DNAPL recovery graphs are also presented in **Appendix G**.

A detailed DNAPL creosote monitoring and recovery program has been implemented at the site, utilizing the enhanced DNAPL recovery system. The program monitors 40 wells on a quarterly basis with some wells more or less often depending on the measured thickness. To date, DNAPL creosote has been detected in 32 monitoring or recovery wells both on-site and off-site. Of those 32 wells, 18 have been retrofitted for product removal, using the DNAPL recovery system. Over 7,800 gallons of DNAPL/water mixture have been recovered since the inception of the enhanced DNAPL recovery system in April 2012, through December 7, 2019; with almost 2,700 gallons recovered from one location (RW-8). See **Table 9** for all historical DNAPL recovery values. Over 10,500 gallons of DNAPL/water mixture have been recovered since August 2000. DNAPL recovery graphs are also presented in **Appendix G**.

The Site was considered a large quantity generator (LQG) in accordance with RCRA from July 23, 2013 through August 25, 2017; therefore, all fifty-five (55) gallon drums containing DNAPL was removed prior to their 90-day storage limit. Due to the success of the DNAPL Recovery program and the reduction of recoverable volumes of DNAPL creosote at the Site, Arcadis and CSX petitioned the IDEM to change the Site's generator status from LQG to small quantity generator (SQG) on February 20, 2017. IDEM approved the change in generator status to SQG on August 25, 2017.

7.4 Institutional Controls for CSX Owned Property

Institutional controls are administrative measures, such as ERCs and/or an ERO, that establish legally binding measures to eliminate any future potential exposure risk. Use of institutional controls does not remediate a Site, however, institutional controls are an effective tool for eliminating short-term and long-term exposure risk. CSX will propose specific deed restrictions to be included in the ERC for the Site. Once the ERC has been approved by the IDEM, it will be recorded with the Monroe County Recorder's Office, and the land use restrictions will eliminate potential exposure to residual impacts remaining at the Site.

The ERC will be placed on the property deed restricting the Site property to non-residential use and restrict the installation of drinking water wells on the Site. In addition, provisions in the ERC would include development of a Soil and Groundwater Management Plan (SGMP) to outline appropriate management of soil and groundwater during future potential construction activities in areas of the Site containing residual impacts with soils and/or groundwater. The SGMP would describe appropriate procedures for the handling, onsite reuse, transport, storage, and/or offsite disposal of excavated soils and/or groundwater generated during construction activities. With exposure pathways removed by these appropriately implemented institutional controls, any potential risk from remaining residual impacts would be eliminated. The 40-acre CSX property is represented by several parcels (**Figure 8**).

7.5 Risk Management Options for Off-Site Properties

CSX will use either individual ERCs or an ERO on the impacted off-site properties to eliminate any future potential exposure risk. Similar to residual impacts to onsite groundwater, an ERO and/or individual ERCs would be implemented as a component of the remedial strategy to mitigate potential risks associated with remaining residual impacts in the off-site groundwater to the west of the Site (**Figure 8, Table 11**). Regardless of whether individual ERCs or an ERO is used as the institutional control off-site, coordination and informational meetings will need to occur with the impacted off-site property owners. If the ERO is agreed to as the path forward, meetings will need to occur with the Monroe County staff and eventually the Monroe County Board members. These public out-reach meetings are expected to take considerable time to coordinate and schedule. If CSX is unable to secure these types of institutional controls, then it will provide alternative measures to IDEM for consideration and implementation to ensure there are no unacceptable future risks associated with the Site.

8 PROJECTED WORK SCHEDULE

Nature and extent characterization has been completed at the Site based on extensive comprehensive investigations, assessments and proactive remedial activities that have been completed. Based on activities completed to-date, there are only a few activities remaining before closure of the project can occur, with some of these activities being directly requested by the IDEM.

The IDEM has requested eight (8) additional quarters of groundwater sampling be completed. These sampling activities are to include sampling during (or soon thereafter) one stormwater event. The quarterly groundwater sampling events were initiated in December 2019 and will be completed in September 2021. Additionally, water level data is currently being collected from March to May 2020 to provide data and guidance on when to conduct the requested stormwater sampling event. Based on the data collected, that stormwater event will replace one of the eight scheduled quarterly monitoring well sampling events. CSX and Arcadis expect to meet with the IDEM to discuss the water elevation data and agree upon what size rain-event and when the stormwater sampling will occur.

Following IDEM review and approval of this *RRWP*, along with the subsequent public comment period, draft ERC(s) specific to the Site and/or neighboring properties will be submitted for IDEM's review. After review and approval from IDEM, the ERC(s) will be presented to the property owners. Upon approval from IDEM and the property owners, the ERC(s) will be recorded on the property deeds located at the Monroe County Recorder's Office. If an ERO is utilized as a portion of the institutional controls used to mitigate future potential risk, appropriate Monroe County parliamentary procedures will be followed in pursuit and recordation of the ordinance. If CSX is unable to secure these types of institutional controls, then it will provide alternative measures to IDEM for consideration and implementation to ensure there are no unacceptable future risks associated with the Site.

Following eight quarters of groundwater sampling and approval of the ERC(s), ERO (if appropriate) , and/or other alternative measures specific to the Site and/or neighboring properties, CSX and Arcadis will request closure of the Site from IDEM.

9 HEALTH AND SAFETY PLAN

A Health and Safety Plan (HASP) was prepared for the Site for all onsite project activities and is provided in **Appendix J**. The HASP was prepared to describe the known hazards and evaluate the risks associated with each potential activity at the Site.

A description of the levels of protection to be worn by personnel in the work areas, including the decontamination procedures for personnel and equipment, has been included. The HASP also includes a list of key personnel responsible for general safety procedures, emergency site procedures, and emergency medical care of various injuries and/or toxicological problems. The HASP will be adhered to during all monitoring and remedial activities.

10 COMMUNITY RELATIONS PLAN

As required by Section 8.0 under the Remediation Work Plan section of the IDEM VRP Resource Guide, the following is a proposed Community Relations Plan for the Site.

10.1 Affected Property Owners and Occupants

Based on review of all available data, the subject property is known to have remaining residual impacts within soil and groundwater associated with historical Site activities. CSX currently owns the property located at 240 West Country Club Drive in Bloomington, Indiana. Adjacent properties are also affected by residual impacts within groundwater associated with hydraulic migration from the Site. As discussed previously in this report, institutional controls, whether it be an areawide ERO or individual ERCs (or a combination thereof) or other alternative measures are being considered to mitigate future potential risk associated with the Site. A list of the proposed addresses and parcels that are affected is provided in **Table 11**, **Figure 8.**

10.2 Known Registered Neighborhood Organizations

The Site is situated within commercially zoned boundaries and there is no indication of a known registered neighborhood organization. No information regarding a registered neighborhood organization or similar was identified in an internet search of publicly available records.

At this time, there is no proposed outreach intended for any specific organization in the area.

10.3 Known or Reasonably Apparent Sensitive Community Institutions

As previously noted, the Site is located in a commercial, residential, and recreational area of Bloomington, Indiana. It is bordered by residential properties to the south and west, commercial properties to the east, and recreational properties to the north and west. There are no known sensitive community institutions within the immediate vicinity of the Site. At this time, there are no impacts related to the COCs identified in this *RRWP* that would contribute risk to sensitive institutions as noted in the summary of risk assessment portion of this *RRWP*, Section 5.

10.4 Written Notice

If additional findings indicate a potential risk to other surrounding properties, those property owners will be contacted immediately by CSX representatives.

10.5 Affected Local Government Units

The Site is located in Perry Township, Monroe County, Bloomington, Indiana. The names and mailing addresses of potentially affected local governmental units with jurisdiction near the Site and the City of Bloomington are as follows:

Monroe County Commissioners
District 1: Lee Jones
District 2: Julie Thomas
District 3: Penny Githens
Monroe County Courthouse
100 West Kirkwood Avenue
Bloomington, Indiana 47404
Phone: (812) 349-2550

Monroe County Health Department
119 West 7th Street
Bloomington, Indiana 47404
Phone: (812) 349-2543

Mayor of Bloomington
John Hamilton
401 North Morton Street
Bloomington, Indiana 47404
Phone: (812) 349-3406

Monroe County Building Department
501 North Morton Street
Bloomington, Indiana 47404
Phone: (812) 349-2580

Indiana Regulating Agencies
Indiana Department of Environmental Management – Office of Land Quality
Voluntary Remediation Program: William Holland
Project Manager: Michael McCann
100 North Senate Avenue
IGCN 1101
Indianapolis, Indiana 46204
Phone: (317) 234-0972

10.6 Notice of Public Comment Period

10.6.1 Newspaper

The following is the name, address, and telephone number of the newspaper in which the IDEM may publish a notice of the public comment period:

Herald Times
1900 South Walnut Street
Bloomington, Indiana 47401
Phone: (833) 213-7008

10.6.2 Public Library and/or Other Public Repositories

The name, address, and telephone number of the public library nearest to the Site, at which a copy of this *RRWP* should be placed for public review, is provided below:

Monroe County Public Library
303 East Kirkwood Avenue
Bloomington, Indiana 47408
Phone: (812) 349-3050

10.7 Environmental Restrictive Covenant Implementation

As appropriate, negotiations for individual ERCs to be recorded on off-site properties will incorporate the following plan of action:

1) Notification of potentially affected parcel ownership via certified mail. The mailing will contain brief background on the project (in general terms), provide contact information to inquire about additional information, and will also contain a Draft ERC for consideration.

2) Telephone outreach will be completed to confirm receipt of the mailings described above and also request an in-person meeting on location to further discuss.

3) Complete in-person meetings to review terms and conditions of the Draft ERC(s) with individual property owners.

4) Execution of final ERC with individual property owners.

5) Recordation of final ERC at the Monroe County Recorder's office

10.8 Environmental Restrictive Ordinance Implementation

As appropriate, an ERO will be negotiated and executed with Monroe County for areas of the project location (including the Site) located primarily to the west. The intent of the ERO will be to install a county endorsed ordinance for a specific delineated area that restricts future groundwater use for potable purposes. As installing an ERO requires public and county jurisdictional involvement and approvals, the following activities and public outreach are planned:

1) County jurisdictional outreach will involve teleconference communications and in-person meetings to educate County council members on the methods, means and purpose of a proposed ERO. Preliminary approval of the ERO (in concept) will be sought prior to public solicitation.

2) An initial mailing will be sent to all potentially affected owners located within the proposed footprint of the ERO. The initial mailing will contain the following information (at a minimum):

a. A cover letter summarizing the background of the Site, the VRP process, the nature and purpose of the proposed ERO, the process that would be followed by the County Council if it decides to take up the potential adoption of an ERO, and how owners and residents could learn more about the Site and the ERO and participate in the ERO adoption process.

b. A Fact Sheet providing further details about the background of the Site, a summary of completed remedial activities, the rationale for and details of the proposed ERO restrictions, and contact information for CSX representatives (including a dedicated, toll-free phone number) and for the IDEM project manager who could be contacted to get answers to questions and obtain further information.

c. A link to an Internet Website created solely for the Site and the potential ERO. The ERO will include detailed information about the Site, the VRP process, various VRP submissions, the ERO adoption process, and links to various project documents.

d. A postcard, with pre-paid postage, for recipients to fill out and return that provided information on the homeowner's/resident's property including whether they had / have a private groundwater well at their property.

3) A Public Notice will be made in the Herald Times alerting the public to an informational Open House (that will likely be held in the local public library). The primary intent of the Open House will be to provide additional information to the public about the Site and the proposed ERO. The forum will be informal in nature with an interactive question and answer session included.

4) Prior to holding the Open House, an additional informational postcard will be mailed to the same owners who received the information postcards described in 2.d. above. The postcards will contain duplicative information contained within the planned Public Notice described in 3. above.

5) An informative Open House (as described in 3. above) will be held.

6) Following the above-described public outreach efforts, the ERO concept will be presented to the County Council and formal ERO adoption processes will be initiated.

11 REFERENCES

Arcadis. 2003. *Phase II Investigation Report*. Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, January 2003.

Arcadis. 2009. *Remediation Work Plan*. CSX Transportation, Bloomington, Indiana. December 2009

Arcadis. 2011a. *Geology & Hydrogeology Report*, Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, October 2011.

Arcadis. 2011b. *Vapor Intrusion Investigation Report*, Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, November 2011.

Arcadis. 2011c. *Screening-Level Ecological Risk Assessment for Clear Creek*, Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, June 2011.

Arcadis. 2015. *Limited Risk Assessment Report (Human Health Risk Assessment)*, Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, May 2015.

Arcadis. 2019a. *Current Conditions Report*. Former Indiana Creosoting Company (ICC), Bloomington, Indiana. Prepared for CSX Transportation, May 2019.

Arcadis. 2019b. *Response to Comments – Current Conditions Report*. December 18, 2019.

Ault, C. H., D. Harper, C. R. Smith, and M. A. Wright. 1985. *Faulting and jointing in near surface mines of southwestern Indiana*. Prepared by the Indiana Geological Survey for the U.S. Nuclear Regulatory Commission, Washington, D.C. NUREG/CR-4117 RA.

City of Bloomington Utilities Department. 2020. *March 11, 2020 Email Correspondence with Nancy Axsom*.

FEMA. 2010. *Flood Insurance Rate Map*. Web page. Located At: https://www.fema.gov/flood-insurance-rate-map-firm

Geraghty & Miller, Inc. 1996. *Risk Assessment*. Former Indiana Creosoting Company Site, County Club Drive, Bloomington, Indiana. Prepared for CSX Transportation. September 1996.

Hartke, E.J., and H. H. Gray, 1989. *Geology for Environmental Planning in Monroe County, Indiana*. Geological Survey Special Report 47. Indiana Dept. of Natural Resources.

Hasenmueller, W. A., Estell, C. M., Keith, B. D., and Thompson, T. A., 2008, *Bedrock geologic map of Monroe County, Indiana*: Indiana Geological Survey Miscellaneous Map 73.

IDEM. 1996a. *Voluntary Remediation Program Resource Guide*. Indianapolis, Indiana: Indiana Department of Environmental Management, July 1996. Web page. Located at: http://www.in.gov/idem/files/vrpresourceguide2.pdf

IDEM. 1996b. *Nonrule Policy Document, VRP Lead Policy*, Identification Number W-0048. January 26, 1996.

IDEM. 2006. *RISC Technical Guide*. Indianapolis, Indiana: Indiana Department of Environmental Management (Chapter 8), June 2006.

IDEM. 2012. *Remediation Closure Guide*. Web page. Located at: http://www.in.gov/idem/files/remediation_closure_guide.pdf

IDEM. 2019. *Comment Letter – Current Conditions Report*. July 25, 2019.

IDEM. 2020. *Comment Letter, Response to Comments - Current Conditions Report.* January 24, 2020.

IDNR. 2020a. Water *Well Record Database*, Division of Water. Web page. Located at: https://secure.in.gov/apps/dnr/dowos/main.aspx.

IDNR. 2020b. *Floodplain Analysis / Regulatory Assessment (FARA)*, Division of Water. Web page. Located at: https://dnrmaps.dnr.in.gov/appsphp/fdms/

Indiana University. 2010a. *Indiana Spatial Data Portal*. Web page. Located at: https://gis.iu.edu/

Indiana University. 2010a. *Indiana Spatial Data Portal*: 2010 Monroe County Orthophotography, LiDAR, Contours, and Elevation. Web page. Located at: https://gis.iu.edu/dataset/elevation/2010monroe.html

Maier, Randal D., 2003a. *Unconsolidated aquifer systems of Monroe County, Indiana*. Indiana Dept. of Natural Resources, Div. of Water. Map with text. July 2003.

Maier, Randal D., 2003b. *Bedrock Aquifer Systems of Brown County, Indiana*. Indiana Dept. of Natural Resources, Div. of Water. Map with text. May 2003.

Monroe County Indiana. 2020. *Monroe County GIS*. Web page. Located at: https://www.co.monroe.in.us/department/division.php?structureid=150

Powell, R.L., 1976. *Some Geomorphic and Hydrologic Implications of Jointing in Carbonate Strata of Mississippian Age in South-Central Indiana*. Ph.D. thesis, Purdue University.

Reynolds, D.A. and Kueper, B.H., 2002. *Numerical examination of the factors controlling DNAPL migration through a single fracture*. Journal of Ground Water, Vol. 40, No. 4, pp. 368-377.

USEPA. 1992. *Framework for Ecological Risk Assessment. U.S. Environmental Protection Agency*, Risk Assessment Forum, Washington, DC. EPA/630/R-92/001. February 1992.

USEPA. 2013a. *ProUCL Version 5.0.00*. Online: www.epa.gov/osp/hstl/tsc/software.htm

USEPA. 2013b. *ProUCL Version 5.1.00 Technical Guide*. Online: www.epa.gov/osp/hstl/tsc/ProUCL_v5.0_tech.pdf

USGS. 1977/1981a. *Bloomington Quadrangle 7.5 Minute Series Topographic Map*.

USGS. 1977/1981b. *Clear Creek Quadrangle 7.5 Minute Series Topographic Map*.

USGS. 1992a. *Bloomington Quadrangle 7.5 Minute Series Topographic Map.*

USGS. 1992b. *Clear Creek Quadrangle 7.5 Minute Series Topographic Map*.

Worthington S.R.H., 1999 - *A comprehensive strategy for understanding flow in carbonate aquifers*. In: Palmer, A.N., Palmer, M.V. & Sasowsky, I.D. (Eds.), *Karst Modeling*, The Karst Waters Institute Special Publication 5, Charles Town, West Virginia (USA): 30-37.

Tables

ARCADIS Design & Consultancy for natural and built assets

Table 1.
Constituents of Concern
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Constituents of Concern								
			1996 IDEM VRP Tier II Default Closure Goals					
Type:	Media/Type of Closure	Specific Analytes	**Non-Residential (Industrial) Surface Soils (mg/kg)**	Residential Surface Soils (mg/kg)	**Non-Residential (Industrial) Subsurface Soils (mg/kg)**	Residential Subsurface Soils (mg/kg)	**Non-Residential (Industrial) Groundwater (ug/L)**	Residential Groundwater (ug/L)
BTEX	Surface Soil - NR	Benzene	**16.63**	22.07	**4.77**	0.059	**98.6**	5
	Subsurface Soil - NR	Toluene	**1,000**	1,000	**1,000**	278.93	**20,440**	1,000
	Groundwater - NR	Ethylbenzene	**1,000**	1,000	**1,000**	834.37	**10,220**	700
		Xylenes	**1,000**	1,000	**1,000**	1,000.00	**204,400**	10,000
PAHs	Surface Soil - NR	Acenaphthene	**10,000**	10,000	**10,000**	10,000	**6,132**	1,824
	Subsurface Soil - NR	Acenaphthylene	**2,800 (1)**	10,000 (1)	**180 (1)**	10,000 (1)	**6,132 (1)**	1,824 (1)
	Groundwater - NR	Anthracene	**10,000**	10,000	**10,000**	10,000	**30,660**	9,120
		Benzo (a) anthracene	**79.45**	0.88	**103.88**	103.881	**10**	0.10
		Benzo (a) pyrene	**7.94**	0.66	**69.85**	69.849	**10**	0.20
		Benzo (b) fluoranthene	**79.45**	0.88	**354.98**	354.977	**10**	0.20
		Benzo(g,h,i) perylene	**10,000 (2)**	8,100 (2)	**10,000 (2)**	10,000 (2)	**3,066 (2)**	912 (2)
		Benzo (k) fluoranthene	**794.52**	8.77	**3,759.12**	501.638	**39.2**	0.20
		Carbazole	**690 (1)**	210 (1)	**20 (1)**	5.9 (1)	**140**	43.00
		Chrysene	**7,945.21**	87.67	**10,000**	379.273	**391.8**	0.20
		Dibenzo (a,h) anthracene	**7.95**	0.66	**69.86**	69.863	**10**	0.30
		Dibenzofuran	**980 (1)**	370 (1)	**65 (1)**	4.9 (1)	**200**	15.00
		Fluoranthene	**10,000**	2,160	**10,000**	2,305.04	**817.6**	243.2
		Fluorene	**10,000**	10,000	**10,000**	8,838.64	**4,088**	1,216
		Indeno (1,2,3-cd) pyrene	**79.45**	0.88	**629.17**	629.166	**10**	0.40
		2-Methylnaphthalene	**1,600 (1)**	10,000 (3)	**42 (1)**	1,761.79 (3)	**4,088 (3)**	1,216 (3)
		Naphthalene	**10,000**	10,000	**10,000**	1761.785	**4,088**	1,216
		Phenanthrene	**1,200 (1)**	9,400 (4)	**170 (1)**	9,400 (4)	**2,600 (4)**	2,600 (4)
		Pyrene	**10,000**	8,100	**10,000**	10,000	**3,066**	912
Phenolic Compounds		2,4-Dimethylphenol	**9,800 (1)**	3,700 (1)	**25 (1)**	9 (1)	**2,000**	730
		2-Methylphenol (o-cresol)	**10,000**	10,000	**376**	62.8	**5,110**	1520
		3&4 -Methylphenol (m, p-cresol)	**10,000**	10,000	**427.24**	71.452	**5,110**	1520
		Pentachlorophenol	**483**	5	**24.947**	25	**50**	1
		2,4-Dichlorophenol	**6,120**	540	**15.12**	3	**310**	110
		Phenol	**10,000**	10,000	**659**	110	**12,000**	3650
		2,4,6-Trichlorophenol	**1,922.89**	58	**31**	1	**260**	10
Phthalates		Butylbenzylphthalate	**10,000**	10,000	**10,000**	10,000	**20,000**	100
		Bis(2-ethlyhexyl)phthalate	**4,142.86**	46	**1,406.25**	16	**204**	6
Metals		Arsenic	**612**	81	**438**	438	**50**	50
		Lead	**1000 (3)**	81	**1,000 (3)**	81	**15**	15

NOTES:
NR - Denotes Closure under Non-Residential (Industrial) Land Use Designation
An Environmental Restrictive Covenant (ERC) will be completed for the Site, not allowing for residential development or use of groundwater below the Site.
(1): Closure Level was taken from the January 31, 2006 IDEM RISC technical Guide Appendix 1, due to the 1996 VRP did not have an established clean-up goal.
(2): No VRP or RISC Closure Levels were established, therefore Pyrene is used as a surrogate.
(3): Lead Closure level is from the January 26, 1996 IDEm Non-rule Policy (ID# W-0048), Guidance for Lead Clean-up levels for VRP Tier II sites.

ARCADIS Design & Consultancy for natural and built assets

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-1S	11/17/1994	700.84	8.03	12.65	692.81
	11/14/1995	700.84	7.84	12.65	693.00
	4/30/1996	700.84	4.71	12.65	696.13
	5/18/2000	700.84	9.37	12.65	691.47
	8/4/2000	700.84	9.12	12.65	691.72
	11/13/2000	700.84	7.44	12.65	693.40
	2/1/2001	700.84	6.77	12.65	694.07
	6/21/2001	700.84	9.45	12.65	691.39
	12/11/2001	700.84	7.98	12.65	692.86
	8/11/2003	700.84	9.62	12.65	691.22
	10/29/2003	700.84	8.66	12.65	692.18
	2/18/2004	700.84	7.44	12.65	693.40
	9/9/2004	700.84	9.29	12.65	691.55
	7/31/2006	700.84	9.46	12.65	691.38
	7/24/2007	700.84	9.30	12.67	691.54
	11/30/2007	700.84	8.78	NM	692.06
	6/8/2008	700.84	5.69	NM	695.15
	9/9/2008	700.84	8.28	NM	692.56
	11/17/2008	700.84	7.91	NM	692.93
	2/5/2009	700.84	9.46	NM	691.38
	12/9/2009	700.84	4.96	NM	695.88
	6/15/2010	700.84	4.41	NM	696.43
	9/20/2010	700.84	10.76	NM	690.08
	12/13/2010	700.84	7.00	NM	693.84
	3/7/2011	700.84	4.45	NM	696.39
	6/21/2011	700.84	7.71	NM	693.13
	9/26/2011	700.84	6.62	NM	694.22
	11/1/2011	700.84	8.66	12.53	692.18
	12/9/2011	Well Decommissioned			

ARCADIS Design & Consultancy for natural and built assets

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-1D	11/17/1994	700.07	7.76	20.20	692.31
	11/14/1995	700.07	7.87	20.20	692.20
	4/30/1996	700.07	4.71	20.20	695.36
	5/18/2000	700.07	8.72	20.20	691.35
	8/4/2000	700.07	8.52	20.20	691.55
	11/13/2000	700.07	7.33	20.20	692.74
	2/1/2001	700.07	6.68	20.20	693.39
	6/21/2001	700.07	8.85	20.20	691.22
	12/11/2001	700.07	8.00	20.20	692.07
	8/11/2003	700.07	9.14	20.20	690.93
	10/29/2003	700.07	8.54	20.20	691.53
	2/18/2004	700.07	7.68	20.20	692.39
	9/9/2004	700.07	9.55	20.20	690.52
	7/31/2006	700.07	9.83	20.20	690.24
	7/24/2007	700.07	9.37	20.20	690.70
	11/30/2007	700.07	8.94	NM	691.13
	6/8/2008	700.07	6.19	NM	693.88
	9/9/2008	700.07	9.93	NM	690.14
	11/17/2008	700.07	8.57	NM	691.50
	2/5/2009	700.07	9.07	NM	691.00
	12/9/2009	700.07	8.18	NM	691.89
	1/14/2010	700.07	8.81	NM	691.26
	6/15/2010	700.07	6.45	NM	693.62
	9/20/2010	700.07	10.36	NM	689.71
	12/13/2010	700.07	8.46	NM	691.61
	3/7/2011	700.07	5.55	NM	694.52
	6/21/2011	700.07	8.39	NM	691.68
	9/26/2011	700.07	8.71	NM	691.36
	11/1/2011	700.07	8.91	20.09	691.16
	12/12/2011	700.07	8.39	NM	691.68
	4/2/2012	700.07	8.57	NM	691.50
	7/9/2012	700.07	10.00	NM	690.07
	10/1/2012	700.07	8.93	NM	691.14
	7/13/2015	700.07	6.72	NM	693.35
	3/12/2018	700.07	6.22	NM	693.85
	12/16/2019	700.07	6.92	NM	693.15

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-2S	11/17/1994	696.04	7.50	9.16	688.54
	11/14/1995	696.04	7.67	9.16	688.37
	4/30/1996	696.04	6.21	9.16	689.83
	5/1/2000	696.04	8.41	9.16	687.63
	8/14/2000	696.04	7.78	9.16	688.26
	11/13/2000	696.04	7.63	9.16	688.41
	2/1/2002	696.04	7.08	9.16	688.96
	6/21/2001	696.04	8.82	9.16	687.22
	12/11/2001	696.04	7.95	9.16	688.09
	8/11/2003	696.04	8.94	9.16	687.10
	10/29/2003	696.04	7.67	9.16	688.37
	2/18/2004	696.04	7.57	9.16	688.47
	9/9/2004	696.04	8.90	9.16	687.14
	7/31/2006	696.04	9.02	9.16	687.02
	7/24/2007	696.04	8.73	9.18	687.31
	11/30/2007	696.04	8.03	NM	688.01
	6/8/2008	696.04	7.41	NM	688.63
	9/9/2008	696.04	9.20	NM	686.84
	11/17/2008	696.04	8.10	NM	687.94
	2/5/2009	696.04	7.98	NM	688.06
	2/25/2009	696.04	7.73	NM	688.31
	3/3/2009	696.04	7.72	NM	688.32
	3/11/2009	696.04	7.84	NM	688.20
	3/17/2009	696.04	6.52	NM	689.52
	3/25/2009	696.04	7.36	NM	688.68
	3/31/2009	696.04	7.51	NM	688.53
	4/20/2009	696.04	7.67	NM	688.37
	4/29/2009	696.04	7.93	NM	688.11
	5/6/2009	696.04	8.07	NM	687.97
	5/11/2009	696.04	7.98	NM	688.06
	5/20/2009	696.04	7.74	NM	688.30
	5/27/2009	696.04	8.32	NM	687.72
	6/8/2009	696.04	8.75	NM	687.29
	6/15/2009	696.04	7.84	NM	688.20
	6/25/2009	696.04	7.37	NM	688.67
	6/30/2009	696.04	7.86	NM	688.18
	7/31/2009	696.04	8.48	NM	687.56
	8/13/2009	696.04	8.55	NM	687.49
	8/26/2009	696.04	9.15	NM	686.89
	10/2/2009	696.04	7.59	NM	688.45
	10/6/2009	696.04	8.30	NM	687.74
	12/9/2009	696.04	6.86	NM	689.18
	12/18/2009	696.04	7.14	NM	688.90
	1/26/2010	696.04	6.67	NM	689.37
	2/3/2010	696.04	7.70	NM	688.34
	3/1/2010	696.04	7.43	NM	688.61
	6/15/2010	696.04	6.17	NM	689.87
	9/20/2010	696.04	9.25	9.25	686.79
	12/13/2010	696.04	7.33	NM	688.71
	2/18/2011	696.04	7.61	NM	688.43
	3/7/2011	696.04	6.09	NM	689.95
	6/21/2011	696.04	7.39	NM	688.65
	9/26/2011	696.04	8.54	NM	687.50
	11/29/2011	696.04	5.48	NM	690.56

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
	12/9/2011		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-2D	11/17/1994	694.34	5.82	14.34	688.52
	11/14/1995	694.34	5.80	14.34	688.54
	4/30/1996	694.34	4.95	14.34	689.39
	5/1/2000	694.34	6.79	14.34	687.55
	8/14/2000	694.34	6.53	14.34	687.81
	11/13/2000	694.34	5.77	14.34	688.57
	2/1/2001	694.34	5.71	14.34	688.63
	6/21/2001	694.34	7.05	14.34	687.29
	12/11/2001	694.34	6.20	14.34	688.14
	8/11/2003	694.34	7.19	14.34	687.15
	10/29/2003	694.34	6.17	14.34	688.17
	2/18/2004	694.34	6.26	14.34	688.08
	9/9/2004	694.34	7.19	14.34	687.15
	7/31/2006	694.34	7.10	14.34	687.24
	7/24/2007	694.34	7.00	17.45	687.34
	11/30/2007	694.34	6.37	NM	687.97
	6/8/2008	694.34	5.70	NM	688.64
	9/9/2008	694.34	7.63	NM	686.71
	11/17/2008	694.34	6.81	NM	687.53
	2/5/2009	694.34	6.76	NM	687.58
	2/25/2009	694.34	6.23	NM	688.11
	3/3/2009	694.34	6.71	NM	687.63
	3/11/2009	694.34	6.30	NM	688.04
	3/17/2009	694.34	8.07	NM	686.27
	3/25/2009	694.34	5.87	NM	688.47
	3/31/2009	694.34	6.02	NM	688.32
	4/20/2009	694.34	6.04	NM	688.30
	4/29/2009	694.34	6.35	NM	687.99
	5/6/2009	694.34	6.48	NM	687.86
	5/11/2009	694.34	6.48	NM	687.86
	5/20/2009	694.34	6.19	NM	688.15
	5/27/2009	694.34	6.74	NM	687.60
	6/8/2009	694.34	7.10	NM	687.24
	6/15/2009	694.34	5.49	NM	688.85
	6/25/2009	694.34	5.99	NM	688.35
	6/30/2009	694.34	6.95	NM	687.39
	7/31/2009	694.34	6.66	NM	687.68
	8/13/2009	694.34	6.73	NM	687.61
	8/26/2009	694.34	7.38	NM	686.96
	10/2/2009	694.34	6.42	NM	687.92
	10/6/2009	694.34	6.53	NM	687.81
	12/9/2009	694.34	5.71	NM	688.63
	12/18/2009	694.34	5.92	NM	688.42
	1/14/2010	694.34	6.70	NM	687.64
	1/26/2010	694.34	5.52	NM	688.82
	2/3/2010	694.34	6.45	NM	687.89
	3/2/2010	694.34	6.25	NM	688.09
	6/15/2010	694.34	5.13	NM	689.21
	8/30/2010	694.34	7.74	NM	686.60
	9/20/2010	694.34	7.38	NM	686.96
	12/13/2010	694.34	6.14	NM	688.20
	2/18/2011	694.34	6.58	NM	687.76
	3/7/2011	694.34	4.78	NM	689.56
	6/21/2011	694.34	6.13	NM	688.21

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
	9/26/2011	694.34	6.48	NM	687.86
	11/29/2011	694.34	4.52	NM	689.82
	12/9/2011		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-3S	11/17/1994	692.89	5.94	10.15	686.95
	11/14/1995	692.89	4.25	10.15	688.64
	4/30/1996	692.89	3.56	10.15	689.33
	5/18/2000	692.89	4.16	10.15	688.73
	8/14/2000	692.89	4.11	10.15	688.78
	11/13/2000	692.89	3.45	10.15	689.44
	2/1/2001	692.89	3.52	10.15	689.37
	6/21/2001	692.89	4.84	10.15	688.05
	12/11/2001	692.89	4.01	10.15	688.88
	8/11/2003	692.89	5.43	10.15	687.46
	10/29/2003	692.89	4.04	10.15	688.85
	2/18/2004	692.89	3.56	10.15	689.33
	9/9/2004	692.89	5.73	10.15	687.16
	7/31/2006	692.89	5.51	10.15	687.38
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-3D	11/17/1994	691.65	4.15	17.00	687.50
	11/14/1995	691.65	4.30	17.00	687.35
	4/30/1996	691.65	3.07	17.00	688.58
	5/18/2000	691.65	3.75	17.00	687.90
	8/14/2000	691.65	3.89	17.00	687.76
	11/13/2000	691.65	3.54	17.00	688.11
	2/1/2001	691.65	3.33	17.00	688.32
	6/21/2001	691.65	3.95	17.00	687.70
	12/11/2001	691.65	3.90	17.00	687.75
	8/11/2003	691.65	4.55	17.00	687.10
	10/29/2003	691.65	3.63	17.00	688.02
	2/18/2004	691.65	3.66	17.00	687.99
	9/9/2004	691.65	5.60	17.00	686.05
	7/31/2006	691.65	4.34	17.00	687.31
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-4S	11/17/1994	690.8	7.81	10.35	682.99
	11/14/1995	690.8	8.24	10.35	682.56
	4/30/1996	690.8	5.03	10.35	685.77
	8/11/2003	690.8	8.54	10.35	682.26
	10/29/2003	690.8	7.73	10.35	683.07
	2/18/2004	690.8	7.63	10.35	683.17
	9/9/2004	690.8	8.75	10.35	682.05
	7/31/2006	690.8	8.79	10.35	682.01
	7/24/2007	690.8	Obstruction	NM	NM
	11/30/2007	690.8	NM	NM	NM
	6/8/2008	690.8	NM	NM	NM
	9/9/2008	690.8	NM	NM	NM
	11/17/2008	690.8	NM	NM	NM
	2/5/2009	690.8	NM	NM	NM
	3/3/2009	690.8	NM	NM	NM
	12/9/2009	690.8	NM	NM	NM
	6/15/2010	690.8	NM	NM	NM
	9/20/2010	690.8	NM	NM	NM
	12/13/2010	690.8	NM	NM	NM
	3/7/2011	690.8	NM	NM	NM
	6/21/2011	690.8	NM	NM	NM
	9/26/2011	690.8	NM	NM	NM
	12/9/2011	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-4D	11/17/1994	690.3	6.61	19.10	683.69
	11/14/1995	690.3	7.16	19.10	683.14
	4/30/1996	690.3	4.65	19.10	685.65
	8/11/2003	690.3	7.25	19.10	683.05
	10/29/2003	690.3	6.64	19.10	683.66
	2/18/2004	690.3	6.43	19.10	683.87
	9/9/2004	690.3	7.45	19.10	682.85
	7/31/2006	690.3	7.43	19.10	682.87
	7/24/2007	690.3	7.68	19.10	682.62
	11/30/2007	690.3	7.67	NM	682.63
	6/8/2008	690.3	5.83	NM	684.47
	9/9/2008	690.3	NM	NM	NM
	11/17/2008	690.3	7.65	NM	682.65
	2/5/2009	690.3	7.78	NM	682.52
	2/25/2009	690.3	6.79	NM	683.51
	3/3/2009	690.3	6.90	NM	683.40
	3/11/2009	690.3	7.35	NM	682.95
	3/17/2009	690.3	7.54	NM	682.76
	3/25/2009	690.3	7.52	NM	682.78
	3/31/2009	690.3	6.74	NM	683.56
	4/20/2009	690.3	6.44	NM	683.86
	4/29/2009	690.3	6.93	NM	683.37
	5/6/2009	690.3	6.50	NM	683.80
	5/11/2009	690.3	6.72	NM	683.58
	5/20/2009	690.3	6.16	NM	684.14
	5/27/2009	690.3	6.93	NM	683.37
	6/8/2009	690.3	7.29	NM	683.01
	6/15/2009	690.3	6.53	NM	683.77
	6/25/2009	690.3	5.87	NM	684.43
	6/30/2009	690.3	7.05	NM	683.25
	7/31/2009	690.3	7.12	NM	683.18
	8/13/2009	690.3	7.37	NM	682.93
	10/2/2009	690.3	7.76	NM	682.54
	10/6/2009	690.3	7.72	NM	682.58
	12/9/2009	690.3	7.00	NM	683.30
	12/18/2009	690.3	6.79	NM	683.51
	1/26/2010	690.3	6.63	NM	683.67
	2/3/2010	690.3	7.28	NM	683.02
	3/1/2010	690.3	7.11	NM	683.19
	6/15/2010	690.3	5.69	NM	684.61
	9/20/2010	690.3	9.12	NM	681.18
	12/13/2010	690.3	7.45	NM	682.85
	3/7/2011	690.3	Obstruction	NM	NM
	6/21/2011	690.3	NM	NM	NM
	9/26/2011	690.3	NM	NM	NM
	12/9/2011		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-5S	11/17/1994	690.67	9.01	12.25	681.66
	11/14/1995	690.67	8.97	12.25	681.70
	4/30/1996	690.67	6.40	12.25	684.27
	8/11/2003	690.67	8.95	12.25	681.72
	10/29/2003	690.67	8.84	12.25	681.83
	2/18/2004	690.67	8.62	12.25	682.05
	9/9/2004	690.67	9.13	12.25	681.54
	7/31/2006	690.67	9.39	12.25	681.28
	7/24/2007	690.67	9.31	12.23	681.36
	11/30/2007	690.67	9.20	12.23	681.47
	6/8/2008	690.67	8.35	12.23	682.32
	9/9/2008	690.67	NM	NM	NA
	11/17/2008	690.67	8.88	12.23	681.79
	2/5/2009	690.67	9.12	NM	681.55
	12/9/2009	690.67	8.10	NM	682.57
	1/15/2010	690.67	8.86	NM	681.81
	6/15/2010	690.67	8.16	NM	682.51
	9/20/2010	690.67	9.25	NM	681.42
	12/13/2010	690.67	8.81	NM	681.86
	3/7/2011	690.67	8.10	NM	682.57
	6/21/2011	690.67	8.79	NM	681.88
	9/26/2011	690.67	8.49	NM	682.18
	12/12/2011	690.67	8.78	NM	681.89
	4/2/2012	690.67	8.95	NM	681.72
	7/9/2012	690.67	9.21	NM	681.46
	10/1/2012	690.67	9.07	NM	681.60
	7/13/2015	690.67	7.87	NM	682.80
	3/12/2018	690.67	9.13	NM	681.54

ARCADIS Design & Consultancy for natural and built assets

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-5D	11/17/1994	690.35	8.51	22.75	681.84
	11/14/1995	690.35	8.50	22.75	681.85
	4/30/1996	690.35	5.66	22.75	684.69
	8/11/2003	690.35	8.62	22.75	681.73
	10/29/2003	690.35	8.40	22.75	681.95
	2/18/2004	690.35	8.18	22.75	682.17
	9/9/2004	690.35	8.75	22.75	681.60
	7/31/2006	690.35	9.04	22.75	681.31
	7/24/2007	690.35	8.91	22.74	681.44
	11/30/2007	690.35	8.88	NM	681.47
	6/8/2008	690.35	7.86	NM	682.49
	9/9/2008	690.35	NM	NM	NA
	11/17/2008	690.35	8.45	NM	681.90
	2/5/2009	690.35	8.80	NM	681.55
	12/9/2009	690.35	7.78	NM	682.57
	1/13/2010	690.35	8.68	NM	681.67
	6/15/2010	690.35	7.73	NM	682.62
	9/20/2010	690.35	8.93	NM	681.42
	12/13/2010	690.35	8.41	NM	681.94
	3/7/2011	690.35	7.56	NM	682.79
	6/21/2011	690.35	8.39	NM	681.96
	9/26/2011	690.35	8.13	NM	682.22
	12/12/2011	690.35	8.39	NM	681.96
	4/2/2012	690.35	8.55	NM	681.80
	7/9/2012	690.35	8.97	NM	681.38
	10/1/2012	690.35	8.72	NM	681.63
	7/13/2015	690.35	7.38	NM	682.97
	3/12/2018	690.35	8.90	NM	681.45
	12/17/2019	690.35	12.00	NM	678.35

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-6S	11/17/1994	691.37	9.80	9.80	681.57
	11/14/1995	691.37	9.54	9.80	681.83
	4/30/1996	691.37	3.99	9.80	687.38
	8/11/2003	691.37	9.65	9.80	681.72
	10/29/2003	691.37	9.50	9.80	681.87
	2/18/2004	691.37	9.06	9.80	682.31
	9/9/2004	691.37	9.65	9.80	681.72
	7/31/2006	691.37	9.58	9.80	681.79
	7/24/2007	691.37	9.59	9.86	681.78
	11/30/2007	691.37	9.66	NM	681.71
	6/8/2008	691.37	8.03	NM	683.34
	9/9/2008	691.37	NM	NM	NM
	11/17/2008	691.37	9.59	NM	681.78
	2/5/2009	691.37	9.68	NM	681.69
	12/9/2009	691.37	8.15	NM	683.22
	6/15/2010	691.37	7.39	NM	683.98
	9/20/2010	691.37	9.70	NM	681.67
	12/13/2010	691.37	9.57	NM	681.80
	3/7/2011	691.37	7.20	NM	684.17
	6/21/2011	691.37	9.43	NM	681.94
	9/26/2011	691.37	9.02	NM	682.35
	12/12/2011	691.37	9.26	NM	682.11
	4/2/2012	691.37	9.65	NM	681.72
	7/9/2012	691.37	Dry	9.86	NA
	10/1/2012	691.37	9.64	NM	681.73
	7/13/2015	691.37	6.08	NM	685.29
	3/12/2018	691.37	9.65	NM	681.72

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-6D	11/17/1994	690.54	9.03	17.89	681.51
	11/14/1995	690.54	8.91	17.89	681.63
	4/30/1996	690.54	3.02	17.89	687.52
	8/11/2003	690.54	9.19	17.89	681.35
	10/29/2003	690.54	8.81	17.89	681.73
	2/18/2004	690.54	8.26	17.89	682.28
	9/9/2004	690.54	9.55	17.89	680.99
	7/31/2006	690.54	9.61	17.89	680.93
	7/24/2007	690.54	9.59	18.88	680.95
	11/30/2007	690.54	9.51	18.88	681.03
	6/8/2008	690.54	7.25	18.88	683.29
	9/9/2008	690.54	NM	NM	NA
	11/17/2008	690.54	8.95	18.88	681.59
	2/5/2009	690.54	9.34	NM	681.20
	12/9/2009	690.54	7.35	NM	683.19
	6/15/2010	690.54	6.65	NM	683.89
	9/20/2010	690.54	9.76	NM	680.78
	12/13/2010	690.54	8.80	NM	681.74
	3/7/2011	690.54	6.40	NM	684.14
	6/21/2011	690.54	8.60	NM	681.94
	9/26/2011	690.54	8.17	NM	682.37
	12/12/2011	690.54	8.44	NM	682.10
	4/2/2012	690.54	8.89	NM	681.65
	7/9/2012	690.54	9.63	NM	680.91
	10/1/2012	690.54	9.23	NM	681.31
	7/13/2015	690.54	5.25	NM	685.29
	3/12/2018	690.54	10.20	NM	680.34

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-7S	11/17/1994	696.93	6.05	13.34	690.88
	11/14/1995	696.93	4.38	13.34	692.55
	4/30/1996	696.93	2.85	13.34	694.08
	5/18/2000	696.93	8.07	13.34	688.86
	8/14/2000	696.93	7.39	13.34	689.54
	11/13/2000	696.93	4.66	13.34	692.27
	2/1/2001	696.93	3.34	13.34	693.59
	6/21/2001	696.93	7.45	13.34	689.48
	12/11/2001	696.93	6.18	13.34	690.75
	8/11/2003	696.93	8.70	13.34	688.23
	10/29/2003	696.93	7.43	13.34	689.50
	2/18/2004	696.93	4.58	13.34	692.35
	9/9/2004	696.93	9.07	13.34	687.86
	7/31/2006	696.93	9.56	13.34	687.37
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-7D	11/17/1994	696.71	5.64	23.05	691.07
	11/14/1995	696.71	4.66	23.05	692.05
	4/30/1996	696.71	2.86	23.05	693.85
	5/18/2000	696.71	7.56	23.05	689.15
	8/14/2000	696.71	7.21	23.05	689.50
	11/13/2000	696.71	4.42	23.05	692.29
	2/1/2001	696.71	3.40	23.05	693.31
	6/21/2001	696.71	7.35	23.05	689.36
	12/11/2001	696.71	5.75	23.05	690.96
	8/11/2003	696.71	8.08	23.05	688.63
	10/29/2003	696.71	7.14	23.05	689.57
	2/18/2004	696.71	4.05	23.05	692.66
	9/9/2004	696.71	8.65	23.05	688.06
	7/31/2006	696.71	9.17	23.05	687.54
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-8S	11/14/1995	691.66	6.76	8.85	684.90
	4/30/1996	691.66	4.66	8.85	687.00
	6/21/2001	691.66	7.24	8.85	684.42
	12/11/2001	691.66	6.82	8.85	684.84
	8/11/2003	691.66	7.45	8.85	684.21
	10/29/2003	691.66	6.78	8.85	684.88
	2/18/2004	691.66	6.22	8.85	685.44
	9/9/2004	691.66	7.47	8.85	684.19
	7/31/2006	691.66	7.54	8.85	684.12
	7/24/2007	691.66	7.54	8.88	684.12
	11/30/2007	691.66	7.62	NM	684.04
	6/8/2008	691.66	5.82	NM	685.84
	9/9/2008	691.66	NM	NM	NM
	11/17/2008	691.66	7.26	NM	684.40
	2/5/2009	691.66	7.39	NM	684.27
	12/9/2009	691.66	6.62	NM	685.04
	6/15/2010	691.66	5.10	NM	686.56
	9/20/2010	691.66	8.70	NM	682.96
	12/13/2010	691.66	6.99	NM	684.67
	3/7/2011	691.66	4.81	NM	686.85
	6/21/2011	691.66	6.76	NM	684.90
	9/26/2011	691.66	6.14	NM	685.52
	12/12/2011	691.66	6.29	NM	685.37
	4/2/2012	691.66	7.33	NM	684.33
	7/9/2012	691.66	8.60	NM	683.06
	10/1/2012	691.66	7.34	NM	684.32
	7/13/2015	691.66	4.83	NM	686.83
	3/12/2018	691.66	7.02	NM	684.64
	12/16/2019	691.66	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-8D	11/14/1995	690.63	6.80	15.30	683.83
	4/30/1996	690.63	3.69	15.30	686.94
	6/21/2001	690.63	6.62	15.30	684.01
	12/11/2001	690.63	11.00	15.30	679.63
	8/11/2003	690.63	6.30	15.30	684.33
	10/29/2003	690.63	6.11	15.30	684.52
	2/18/2004	690.63	5.48	15.30	685.15
	9/9/2004	690.63	6.80	15.30	683.83
	7/31/2006	690.63	10.32	15.30	680.31
	7/24/2007	690.63	6.86	15.30	683.77
	11/30/2007	690.63	6.34	NM	684.29
	6/8/2008	690.63	4.50	NM	686.13
	9/9/2008	690.63	NM	NM	NA
	11/17/2008	690.63	6.67	NM	683.96
	2/5/2009	690.63	6.73	NM	683.90
	12/9/2009	690.63	6.33	NM	684.30
	6/15/2010	690.63	5.23	NM	685.40
	9/20/2010	690.63	8.04	NM	682.59
	12/13/2010	690.63	6.63	NM	684.00
	3/7/2011	690.63	4.26	NM	686.37
	6/21/2011	690.63	5.98	NM	684.65
	9/26/2011	690.63	7.38	NM	683.25
	12/12/2011	690.63	5.49	NM	685.14
	4/2/2012	690.63	6.65	NM	683.98
	7/9/2012	690.63	7.96	NM	682.67
	10/1/2012	690.63	6.67	NM	683.96
	7/13/2015	690.63	4.46	NM	686.17
	3/12/2018	690.63	6.82	NM	683.81

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-9	11/13/2000	701.33	8.60	11.25	692.73
	2/1/2001	701.33	7.07	11.25	694.26
	6/21/2001	701.33	10.20	11.25	691.13
	12/11/2001	701.33	9.23	11.25	692.10
	8/11/2003	701.33	10.39	11.25	690.94
	10/29/2003	701.33	9.29	11.25	692.04
	2/18/2004	701.33	9.10	11.25	692.23
	9/9/2004	701.33	10.52	11.25	690.81
	7/31/2006	701.33	10.62	11.25	690.71
	7/24/2007	701.33	10.29	11.26	691.04
	11/30/2007	701.33	9.98	NM	691.35
	6/8/2008	701.33	6.38	NM	694.95
	9/9/2008	701.33	11.00	NM	690.33
	11/17/2008	701.33	9.39	NM	691.94
	2/5/2009	701.33	10.41	NM	690.92
	12/9/2009	701.33	9.56	NM	691.77
	6/15/2010	701.33	6.21	NM	695.12
	9/20/2010	701.33	10.99	NM	690.34
	12/13/2010	701.33	9.60	NM	691.73
	3/7/2011	701.33	6.10	NM	695.23
	6/21/2011	701.33	9.74	NM	691.59
	9/26/2011	701.33	9.30	NM	692.03
	11/1/2011	701.33	10.36	11.11	690.97
	12/12/2011	701.33	9.41	11.11	691.92
	4/2/2012	701.33	10.07	11.11	691.26
	7/9/2012	701.33	11.02	11.11	690.31
	10/1/2012	701.33	10.34	NM	690.99
	7/13/2015	701.33	7.96	NM	693.37
	3/12/2018	701.33	8.95	NM	692.38
	12/16/2019	701.33	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-10	11/13/2000	699.66	5.55	10.88	694.11
	2/1/2001	699.66	6.00	10.88	693.66
	6/21/2001	699.66	8.54	10.88	691.12
	12/11/2001	699.66	5.65	10.88	694.01
	8/11/2003	699.66	8.88	10.88	690.78
	10/29/2003	699.66	7.00	10.88	692.66
	2/18/2004	699.66	5.83	10.88	693.83
	9/9/2004	699.66	9.14	10.88	690.52
	7/31/2006	699.66	9.64	10.88	690.02
	7/24/2007	699.66	9.38	10.87	690.28
	11/30/2007	699.66	7.72	10.87	691.94
	6/8/2008	699.66	5.51	10.87	694.15
	9/9/2008	699.66	9.85	10.87	689.81
	11/17/2008	699.66	7.62	10.87	692.04
	2/5/2009	699.66	8.34	NM	691.32
	12/9/2009	699.66	6.34	NM	693.32
	6/15/2010	699.66	5.55	NM	694.11
	9/20/2010	699.66	10.06	NM	689.60
	12/13/2010	699.66	7.00	NM	692.66
	3/7/2011	699.66	5.21	NM	694.45
	6/21/2011	699.66	6.99	NM	692.67
	9/26/2011	699.66	9.60	NM	690.06
	11/1/2011	699.66	7.78	10.73	691.88
	12/12/2011	699.66	6.24	10.73	693.42
	4/2/2012	699.66	6.76	10.73	692.90
	7/9/2012	699.66	9.74	10.73	689.92
	10/1/2012	699.66	7.95	NM	691.71
	7/13/2015	699.66	5.83	NM	693.83
	3/12/2018	699.66	6.06	NM	693.60

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-11S	2/5/2009	700.06	Dry	NM	NA
	12/9/2009	700.06	Dry	NM	NA
	6/15/2010	700.06	Dry	NM	NA
	6/21/2011	700.06	Dry	NM	NA
	9/26/2011	700.06	Dry	NM	NA
	12/9/2011	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-11D	6/21/2001	699.75	9.61	22.03	690.14
	12/11/2001	699.75	9.11	22.03	690.64
	8/11/2003	699.75	10.23	22.03	689.52
	10/29/2003	699.75	9.41	22.03	690.34
	2/18/2004	699.75	9.27	22.03	690.48
	9/9/2004	699.75	10.27	22.03	689.48
	7/31/2006	699.75	10.29	22.03	689.46
	7/24/2007	699.75	10.32	21.92	689.43
	11/30/2007	699.75	9.85	NM	689.90
	6/8/2008	699.75	8.63	NM	691.12
	9/9/2008	699.75	10.12	NM	689.63
	11/17/2008	699.75	9.69	NM	690.06
	2/5/2009	699.75	9.78	NM	689.97
	12/9/2009	699.75	9.01	NM	690.74
	6/15/2010	699.75	8.27	NM	691.48
	9/20/2010	699.75	10.05	NM	689.70
	12/13/2010	699.75	9.55	NM	690.20
	3/7/2011	699.75	7.96	NM	691.79
	6/21/2011	699.75	9.34	NM	690.41
	9/26/2011	699.75	9.21	NM	690.54
	12/12/2011	699.75	9.12	NM	690.63
	4/2/2012	699.75	9.45	NM	690.30
	7/9/2012	699.75	9.85	NM	689.90
	10/1/2012	699.75	9.62	NM	690.13
	7/13/2015	699.75	8.69	NM	691.06
	3/12/2018	699.75	9.37	NM	690.38

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-12S	11/13/2000	692.76	4.33	8.40	688.43
	2/1/2001	692.76	4.13	8.40	688.63
	6/21/2001	692.76	5.04	8.40	687.72
	12/11/2001	692.76	4.28	8.40	688.48
	8/11/2003	692.76	5.83	8.40	686.93
	10/29/2003	692.76	4.15	8.40	688.61
	2/18/2004	692.76	3.47	8.40	689.29
	9/9/2004	692.76	5.58	8.40	687.18
	7/31/2006	692.76	6.18	8.40	686.58
	7/24/2007	692.76	4.89	9.38	687.87
	11/30/2007	692.76	4.74	9.38	688.02
	6/8/2008	692.76	4.94	9.38	687.82
	9/9/2008	692.76	7.23	9.38	685.53
	11/17/2008	692.76	4.46	9.38	688.30
	2/5/2009	692.76	4.94	NM	687.82
	3/3/2009	692.76	4.31	NM	688.45
	12/9/2009	692.76	3.76	NM	689.00
	6/15/2010	692.76	3.51	NM	689.25
	9/20/2010	692.76	8.10	NM	684.66
	12/13/2010	692.76	4.04	NM	688.72
	3/7/2011	692.76	3.40	NM	689.36
	6/21/2011	692.76	4.27	NM	688.49
	9/26/2011	692.76	4.58	NM	688.18
	12/12/2011	692.76	3.99	NM	688.77
	4/2/2012	692.76	4.20	NM	688.56
	7/9/2012	692.76	8.06	NM	684.70
	10/1/2012	692.76	3.86	NM	688.90
	7/13/2015	692.76	4.16	NM	688.60
	3/12/2018	692.76	3.75	NM	689.01

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-12D	6/21/2001	692.91	5.70	20.12	687.21
	12/11/2001	692.91	5.52	20.12	687.39
	8/11/2003	692.91	6.12	20.12	686.79
	10/29/2003	692.91	5.40	20.12	687.51
	2/18/2004	692.91	5.51	20.12	687.40
	9/9/2004	692.91	6.19	20.12	686.72
	7/31/2006	692.91	5.77	20.12	687.14
	7/24/2007	692.91	6.57	20.15	686.34
	11/30/2007	692.91	6.04	NM	686.87
	6/8/2008	692.91	3.57	NM	689.34
	9/9/2008	692.91	NM	NM	NM
	11/17/2008	692.91	5.85	NM	687.06
	2/5/2009	692.91	NM	NM	NM
	3/3/2009	692.91	5.43	NM	687.48
	3/11/2009	692.91	5.58	NM	687.33
	3/17/2009	692.91	5.96	NM	686.95
	3/25/2009	692.91	4.81	NM	688.10
	3/31/2009	692.91	5.18	NM	687.73
	4/20/2009	692.91	5.13	NM	687.78
	4/29/2009	692.91	5.46	NM	687.45
	5/6/2009	692.91	5.59	NM	687.32
	5/11/2009	692.91	5.53	NM	687.38
	5/20/2009	692.91	5.40	NM	687.51
	5/27/2009	692.91	5.81	NM	687.10
	6/8/2009	692.91	6.26	NM	686.65
	6/15/2009	692.91	5.47	NM	687.44
	6/25/2009	692.91	5.26	NM	687.65
	6/30/2009	692.91	5.93	NM	686.98
	7/31/2009	692.91	5.80	NM	687.11
	8/13/2009	692.91	6.12	NM	686.79
	8/26/2009	692.91	6.68	NM	686.23
	10/2/2009	692.91	5.49	NM	687.42
	10/6/2009	692.91	6.03	NM	686.88
	12/9/2009	692.91	5.22	NM	687.69
	12/18/2009	692.91	5.62	NM	687.29
	1/15/2010	692.91	5.28	NM	687.63
	1/19/2010	692.91	6.00	NM	686.91
	1/26/2010	692.91	5.33	NM	687.58
	2/3/2010	692.91	6.20	NM	686.71
	2/22/2010	692.91	5.38	NM	687.53
	3/1/2010	692.91	5.93	NM	686.98
	3/8/2010	692.91	6.10	NM	686.81
	4/16/2010	692.91	6.03	NM	686.88
	6/1/2010	692.91	6.08	NM	686.83
	6/15/2010	692.91	4.59	NM	688.32
	7/6/2010	692.91	6.56	NM	686.35
	8/3/2010	692.91	6.86	NM	686.05
	8/10/2010	692.91	7.06	NM	685.85
	8/30/2010	692.91	7.21	NM	685.70
	9/20/2010	692.91	7.00	NM	685.91
	12/13/2010	692.91	5.98	NM	686.93
	2/18/2011	692.91	6.20	NM	686.71
	2/22/2011	692.91	4.73	NM	688.18
	3/4/2011	692.91	5.28	NM	687.63

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
	3/7/2011	692.91	4.93	NM	687.98
	6/21/2011	692.91	5.67	NM	687.24
	9/26/2011	692.91	5.49	NM	687.42
	7/13/2015	692.91	5.02	NM	687.89
	3/12/2018	692.91	5.18	NM	687.73
MW-13	11/13/2000	692.47	4.55	9.10	687.92
	2/1/2001	692.47	4.53	9.10	687.94
	6/21/2001	692.47	8.74	9.10	683.73
	12/11/2001	692.47	4.78	9.10	687.69
	8/11/2003	692.47	5.80	9.10	686.67
	10/29/2003	692.47	4.78	9.10	687.69
	2/18/2004	692.47	4.48	9.10	687.99
	9/9/2004	692.47	5.82	9.10	686.65
	7/31/2006	692.47	5.91	9.10	686.56
	7/24/2007	692.47	5.87	9.10	686.60
	11/30/2007	692.47	5.25	NM	687.22
	6/8/2008	692.47	4.27	NM	688.20
	9/9/2008	692.47	NM	NM	NM
	11/17/2008	692.47	4.91	NM	687.56
	2/5/2009	692.47	5.19	NM	687.28
	12/9/2009	692.47	4.32	NM	688.15
	6/15/2010	692.47	4.43	NM	688.04
	9/20/2010	692.47	7.13	NM	685.34
	12/13/2010	692.47	4.87	NM	687.60
	3/7/2011	692.47	4.50	NM	687.97
	6/21/2011	692.47	4.89	NM	687.58
	9/26/2011	692.47	4.59	NM	687.88
	11/29/2011	692.47	3.50	NM	688.97
	12/9/2011		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-14S	8/11/2003	694.15	5.00	8.40	689.15
	10/29/2003	694.15	3.29	8.40	690.86
	2/18/2004	694.15	3.48	8.40	690.67
	9/9/2004	694.15	4.52	8.40	689.63
	7/31/2006	694.15	5.74	8.40	688.41
	7/24/2007	694.15	5.78	8.37	688.37
	11/30/2007	694.15	5.13	NM	689.02
	6/8/2008	694.15	4.02	NM	690.13
	9/9/2008	694.15	7.55	NM	686.60
	11/17/2008	694.15	5.63	NM	688.52
	2/5/2009	694.15	5.05	NM	689.10
	3/3/2009	694.15	4.68	NM	689.47
	12/9/2009	694.15	3.68	NM	690.47
	6/15/2010	694.15	3.69	NM	690.46
	9/20/2010	694.15	8.45	NM	685.70
	3/7/2011	694.15	3.79	NM	690.36
	6/21/2011	694.15	4.49	NM	689.66
	9/26/2011	694.15	6.67	NM	687.48
	11/29/2011	694.15	3.31	NM	690.84
	12/9/2011	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-14D	8/11/2003	693.8	7.00	20.00	686.80
	10/29/2003	693.8	6.20	20.00	687.60
	2/18/2004	693.8	6.21	20.00	687.59
	9/9/2004	693.8	6.99	20.00	686.81
	7/31/2006	693.8	8.63	20.00	685.17
	7/24/2007	693.8	5.73	20.00	688.07
	11/30/2007	693.8	6.81	NM	686.99
	6/8/2008	693.8	5.51	NM	688.29
	9/9/2008	693.8	NM	NM	NM
	11/17/2008	693.8	6.48	NM	687.32
	2/5/2009	693.8	NM	NM	NM
	3/3/2009	693.8	6.15	NM	687.65
	3/11/2009	693.8	6.02	NM	687.78
	3/17/2009	693.8	6.91	NM	686.89
	3/25/2009	693.8	5.49	NM	688.31
	3/31/2009	693.8	5.75	NM	688.05
	4/20/2009	693.8	5.75	NM	688.05
	4/29/2009	693.8	6.04	NM	687.76
	5/6/2009	693.8	NM	NM	NM
	5/11/2009	693.8	6.11	NM	687.69
	5/20/2009	693.8	5.99	NM	687.81
	5/27/2009	693.8	7.76	NM	686.04
	6/8/2009	693.8	6.75	NM	687.05
	6/15/2009	693.8	6.01	NM	687.79
	6/25/2009	693.8	5.74	NM	688.06
	6/30/2009	693.8	6.11	NM	687.69
	7/31/2009	693.8	6.10	NM	687.70
	8/13/2009	693.8	6.32	NM	687.48
	8/26/2009	693.8	7.31	NM	686.49
	10/2/2009	693.8	5.89	NM	687.91
	10/6/2009	693.8	6.22	NM	687.58
	12/9/2009	693.8	5.10	NM	688.70
	12/18/2009	693.8	6.11	NM	687.69
	1/26/2010	693.8	5.50	NM	688.30
	2/3/2010	693.8	6.33	NM	687.47
	3/1/2010	693.8	6.07	NM	687.73
	4/16/2010	693.8	6.01	NM	687.79
	6/15/2010	693.8	4.29	NM	689.51
	8/3/2010	693.8	7.40	NM	686.40
	8/10/2010	693.8	7.72	NM	686.08
	8/30/2010	693.8	8.09	NM	685.71
	9/20/2010	693.8	8.19	NM	685.61
	12/13/2010	693.8	5.24	NM	688.56
	2/18/2011	693.8	6.55	NM	687.25
	2/22/2011	693.8	5.37	NM	688.43
	3/4/2011	693.8	5.94	NM	687.86
	3/7/2011	693.8	5.55	NM	688.25
	3/28/2011	693.8	6.79	NM	687.01
	6/21/2011	693.8	6.25	NM	687.55
	9/26/2011	693.8	6.05	NM	687.75
	11/29/2011	693.8	4.91	NM	688.89
	12/9/2011		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
*MW-15S	8/11/2003	695.06	5.15	9.12	689.91
	10/29/2003	695.06	4.45	9.12	690.61
	2/18/2004	695.06	3.28	9.12	691.78
	9/9/2004	695.06	5.67	9.12	689.39
	7/31/2006	695.06	6.61	9.12	688.45
	10/16/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-15D	8/11/2003	694.81	6.46	19.95	688.35
	10/29/2003	694.81	5.04	19.95	689.77
	2/18/2004	694.81	4.45	19.95	690.36
	9/9/2004	694.81	6.32	19.95	688.49
	7/31/2006	694.81	7.10	19.95	687.71
	7/24/2007	694.81	6.56	19.95	688.25
	11/30/2007	694.81	6.21	19.95	688.60
	6/8/2008	694.81	4.43	19.95	690.38
	9/9/2008	694.81	8.20	19.95	686.61
	11/17/2008	694.81	6.03	19.95	688.78
	2/5/2009	694.81	NM	19.95	NM
	3/3/2009	694.81	5.12	NM	689.69
	3/11/2009	694.81	5.26	NM	689.55
	3/17/2009	694.81	5.95	NM	688.86
	3/25/2009	694.81	5.02	NM	689.79
	3/31/2009	694.81	4.87	NM	689.94
	4/20/2009	694.81	4.70	NM	690.11
	4/29/2009	694.81	4.96	NM	689.85
	5/6/2009	694.81	5.05	NM	689.76
	5/11/2009	694.81	5.02	NM	689.79
	5/20/2009	694.81	4.81	NM	690.00
	5/27/2009	694.81	5.14	NM	689.67
	6/8/2009	694.81	5.83	NM	688.98
	6/15/2009	694.81	5.16	NM	689.65
	6/25/2009	694.81	4.96	NM	689.85
	6/30/2009	694.81	5.60	NM	689.21
	7/31/2009	694.81	5.47	NM	689.34
	8/13/2009	694.81	5.85	NM	688.96
	8/26/2009	694.81	7.41	NM	687.40
	10/2/2009	694.81	5.85	NM	688.96
	10/6/2009	694.81	5.97	NM	688.84
	12/9/2009	694.81	5.07	NM	689.74
	12/18/2009	694.81	7.01	NM	687.80
	1/26/2010	694.81	5.54	NM	689.27
	2/3/2010	694.81	5.56	NM	689.25
	3/1/2010	694.81	5.21	NM	689.60
	4/16/2010	694.81	5.35	NM	689.46
	6/15/2010	694.81	4.88	NM	689.93
	8/3/2010	694.81	7.85	NM	686.96
	8/10/2010	694.81	8.43	NM	686.38
	8/30/2010	694.81	8.86	NM	685.95
	9/20/2010	694.81	9.32	NM	685.49
	12/13/2010	694.81	5.27	NM	689.54
	2/18/2011	694.81	5.30	NM	689.51
	2/22/2011	694.81	4.47	NM	690.34
	3/4/2011	694.81	4.60	NM	690.21
	3/7/2011	694.81	4.12	NM	690.69
	3/28/2011	694.81	5.29	NM	689.52
	6/21/2011	694.81	5.50	NM	689.31
	9/26/2011	694.81	6.03	NM	688.78
	7/13/2015	694.81	4.39	NM	690.42
	3/12/2018	694.81	4.82	NM	689.99

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-16S	8/11/2003	695.12	4.35	10.38	690.77
	10/29/2003	695.12	3.03	10.38	692.09
	2/18/2004	695.12	2.81	10.38	692.31
	9/9/2004	695.12	4.24	10.38	690.88
	7/31/2006	695.12	5.75	10.38	689.37
	7/24/2007	695.12	4.59	10.57	690.53
	11/30/2007	695.12	3.84	NM	691.28
	6/8/2008	695.12	2.80	NM	692.32
	9/9/2008	695.12	6.75	NM	688.37
	11/17/2008	695.12	5.12	NM	690.00
	2/5/2009	695.12	4.05	NM	691.07
	3/3/2009	695.12	3.57	NM	691.55
	3/11/2009	695.12	3.56	NM	691.56
	3/17/2009	695.12	4.13	NM	690.99
	3/25/2009	695.12	3.35	NM	691.77
	3/31/2009	695.12	3.16	NM	691.96
	4/20/2009	695.12	2.96	NM	692.16
	4/29/2009	695.12	3.34	NM	691.78
	5/6/2009	695.12	3.20	NM	691.92
	5/11/2009	695.12	3.08	NM	692.04
	5/20/2009	695.12	2.97	NM	692.15
	5/27/2009	695.12	3.12	NM	692.00
	6/8/2009	695.12	3.75	NM	691.37
	6/15/2009	695.12	2.97	NM	692.15
	6/25/2009	695.12	2.92	NM	692.20
	6/30/2009	695.12	3.48	NM	691.64
	7/31/2009	695.12	3.15	NM	691.97
	8/13/2009	695.12	3.48	NM	691.64
	8/26/2009	695.12	5.08	NM	690.04
	10/2/2009	695.12	4.27	NM	690.85
	10/6/2009	695.12	3.97	NM	691.15
	12/9/2009	695.12	2.99	NM	692.13
	6/15/2010	695.12	2.59	NM	692.53
	9/20/2010	695.12	8.25	NM	686.87
	12/13/2010	695.12	3.54	NM	691.58
	3/7/2011	695.12	3.14	NM	691.98
	6/21/2011	695.12	3.00	NM	692.12
	9/26/2011	695.12	5.78	NM	689.34
	12/12/2011	695.12	3.25	NM	691.87
	4/2/2012	695.12	3.59	NM	691.53
	7/9/2012	695.12	7.70	NM	687.42
	10/1/2012	695.12	4.04	NM	691.08
	7/13/2015	695.12	2.81	NM	692.31
	3/12/2018	695.12	2.86	NM	692.26
	12/16/2019	695.12	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-16D	8/11/2003	694.91	5.33	18.93	689.58
	10/29/2003	694.91	4.30	18.93	690.61
	2/18/2004	694.91	3.87	18.93	691.04
	9/9/2004	694.91	5.71	18.93	689.20
	7/31/2006	694.91	6.34	18.93	688.57
	7/24/2007	694.91	5.83	18.92	689.08
	11/30/2007	694.91	5.31	NM	689.60
	6/8/2008	694.91	3.66	NM	691.25
	9/9/2008	694.91	7.55	NM	687.36
	11/17/2008	694.91	7.31	NM	687.60
	2/5/2009	694.91	NM	NM	NM
	3/3/2009	694.91	4.19	NM	690.72
	3/11/2009	694.91	4.30	NM	690.61
	3/17/2009	694.91	4.52	NM	690.39
	3/25/2009	694.91	4.02	NM	690.89
	3/31/2009	694.91	3.88	NM	691.03
	4/20/2009	694.91	3.74	NM	691.17
	4/29/2009	694.91	3.93	NM	690.98
	5/6/2009	694.91	4.06	NM	690.85
	5/11/2009	694.91	4.00	NM	690.91
	5/20/2009	694.91	3.89	NM	691.02
	5/27/2009	694.91	4.05	NM	690.86
	6/8/2009	694.91	4.79	NM	690.12
	6/15/2009	694.91	4.04	NM	690.87
	6/25/2009	694.91	3.94	NM	690.97
	6/30/2009	694.91	4.59	NM	690.32
	7/31/2009	694.91	4.42	NM	690.49
	8/13/2009	694.91	4.69	NM	690.22
	8/26/2009	694.91	6.42	NM	688.49
	10/2/2009	694.91	4.87	NM	690.04
	10/6/2009	694.91	4.98	NM	689.93
	12/9/2009	694.91	4.16	NM	690.75
	12/18/2009	694.91	4.25	NM	690.66
	1/26/2010	694.91	4.15	NM	690.76
	2/3/2010	694.91	4.31	NM	690.60
	3/1/2010	694.91	4.07	NM	690.84
	4/16/2010	694.91	4.00	NM	690.91
	6/15/2010	694.91	3.53	NM	691.38
	8/3/2010	694.91	6.99	NM	687.92
	8/10/2010	694.91	7.40	NM	687.51
	8/30/2010	694.91	8.28	NM	686.63
	9/20/2010	694.91	8.80	NM	686.11
	12/13/2010	694.91	4.17	NM	690.74
	2/18/2011	694.91	4.39	NM	690.52
	2/22/2011	694.91	3.64	NM	691.27
	3/4/2011	694.91	3.67	NM	691.24
	3/7/2011	694.91	3.52	NM	691.39
	3/28/2011	694.91	4.06	NM	690.85
	6/21/2011	694.91	4.90	NM	690.01
	9/26/2011	694.91	5.95	NM	688.96
	7/13/2015	694.91	3.54	NM	691.37
	3/12/2018	694.91	4.20	NM	690.71

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-17S	8/11/2003	694.42	7.83	10.83	686.59
	10/29/2003	694.42	6.01	10.83	688.41
	2/18/2004	694.42	4.70	10.83	689.72
	9/9/2004	694.42	8.11	10.83	686.31
	7/31/2006	694.42	8.37	10.83	686.05
	7/24/2007	694.42	8.20	10.87	686.22
	11/30/2007	694.42	7.08	NM	687.34
	6/8/2008	694.42	4.24	NM	690.18
	9/9/2008	694.42	NM	NM	NM
	11/17/2008	694.42	7.11	NM	687.31
	2/5/2009	694.42	6.29	NM	688.13
	12/9/2009	694.42	4.87	NM	689.55
	1/14/2010	694.42	7.78	NM	686.64
	6/15/2010	694.42	4.73	NM	689.69
	9/20/2010	694.42	9.10	NM	685.32
	12/13/2010	694.42	6.04	NM	688.38
	3/7/2011	694.42	3.67	NM	690.75
	6/21/2011	694.42	6.35	NM	688.07
	9/26/2011	694.42	5.55	NM	688.87
	12/12/2011	694.42	5.20	NM	689.22
	4/2/2012	694.42	6.85	NM	687.57
	7/9/2012	694.42	8.90	NM	685.52
	10/1/2012	694.42	7.46	NM	686.96
	7/13/2015	694.42	3.67	NM	690.75
	3/12/2018	694.42	7.30	NM	687.12

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-17D	8/11/2003	694.41	10.90	19.00	683.51
	10/29/2003	694.41	6.38	19.00	688.03
	2/18/2004	694.41	4.93	19.00	689.48
	9/9/2004	694.41	7.50	19.00	686.91
	7/31/2006	694.41	8.23	19.00	686.18
	7/24/2007	694.41	8.30	19.00	686.11
	11/30/2007	694.41	7.96	NM	686.45
	6/8/2008	694.41	4.14	NM	690.27
	9/9/2008	694.41	NM	NM	NM
	11/17/2008	694.41	7.55	NM	686.86
	2/5/2009	694.41	7.13	NM	687.28
	12/9/2009	694.41	6.65	NM	687.76
	1/14/2010	694.41	7.62	NM	686.79
	1/15/2010	694.41	13.77	NM	680.64
	1/18/2010	694.41	11.51	NM	682.90
	1/19/2010	694.41	10.97	NM	683.44
	1/20/2010	694.41	10.48	NM	683.93
	1/21/2010	694.41	10.08	NM	684.33
	6/15/2010	694.41	6.40	NM	688.01
	9/20/2010	694.41	8.70	NM	685.71
	12/13/2010	694.41	6.81	NM	687.60
	3/7/2011	694.41	4.13	NM	690.28
	6/21/2011	694.41	6.97	NM	687.44
	9/26/2011	694.11	7.98	NM	686.13
	12/12/2011	694.11	4.61	NM	689.50
	4/2/2012	694.11	7.32	NM	686.79
	7/9/2012	694.11	8.93	NM	685.18
	10/1/2012	694.11	7.09	NM	687.02
	7/13/2015	694.11	4.82	MN	689.29
	3/12/2018	694.11	5.43	NM	688.68

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-18S	8/11/2003	692.02	7.57	10.15	684.45
	10/29/2003	692.02	6.03	10.15	685.99
	2/18/2004	692.02	5.49	10.15	686.53
	9/9/2004	692.02	7.56	10.15	684.46
	7/31/2006	692.02	8.85	10.15	683.17
	7/24/2007	692.02	7.94	10.15	684.08
	11/30/2007	692.02	7.41	NM	684.61
	6/8/2008	692.02	5.34	NM	686.68
	9/9/2008	692.02	8.20	NM	683.82
	11/17/2008	692.02	7.55	NM	684.47
	2/5/2009	692.02	7.27	NM	684.75
	12/9/2009	692.02	4.54	NM	687.48
	1/15/2010	692.02	7.50	NM	684.52
	6/15/2010	692.02	4.40	NM	687.62
	9/20/2010	692.02	9.37	NM	682.65
	12/13/2010	692.02	6.82	NM	685.20
	3/7/2011	692.02	4.07	NM	687.95
	6/21/2011	692.02	6.51	NM	685.51
	9/26/2011	692.02	9.85	NM	682.17
	12/12/2011	692.02	5.38	NM	686.64
	4/2/2012	692.02	7.19	NM	684.83
	7/9/2012	692.02	9.57	NM	682.45
	10/1/2012	692.02	7.91	NM	684.11
	7/13/2015	692.02	4.23	NM	687.79
	3/12/2018	692.02	7.67	NM	684.35

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-18D	8/11/2003	691.55	10.09	19.49	681.46
	10/29/2003	691.55	6.91	19.49	684.64
	2/18/2004	691.55	6.24	19.49	685.31
	9/9/2004	691.55	7.57	19.49	683.98
	7/31/2006	691.55	7.58	19.49	683.97
	7/24/2007	691.55	7.68	19.48	683.87
	11/30/2007	691.55	7.65	NM	683.90
	6/8/2008	691.55	5.50	NM	686.05
	9/9/2008	691.55	NM	NM	NM
	11/17/2008	691.55	7.76	NM	683.79
	2/5/2009	691.55	7.38	NM	684.17
	12/9/2009	691.55	7.01	NM	684.54
	6/15/2010	691.55	6.85	NM	684.70
	9/20/2010	691.55	8.72	NM	682.83
	12/13/2010	691.55	8.76	NM	682.79
	3/7/2011	691.55	5.70	NM	685.85
	6/21/2011	691.55	7.11	NM	684.44
	9/26/2011	691.55	8.64	NM	682.91
	12/12/2011	691.55	5.87	NM	685.68
	4/2/2012	691.55	7.33	NM	684.22
	7/9/2012	691.55	8.58	NM	682.97
	10/1/2012	691.55	7.76	NM	683.79
	7/13/2015	691.55	5.96	NM	685.59
	3/12/2018	691.55	7.18	NM	684.37

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-19S	8/11/2003	691.06	7.97	8.00	683.09
	10/29/2003	691.06	7.15	8.00	683.91
	2/18/2004	691.06	6.78	8.00	684.28
	9/9/2004	691.06	8.00	8.00	683.06
	7/31/2006	691.06	8.05	8.00	683.01
	7/24/2007	691.06	8.03	8.00	683.03
	11/30/2007	691.06	8.00	NM	683.06
	6/8/2008	691.06	6.20	NM	684.86
	11/17/2008	691.06	8.00	NM	683.06
	2/5/2009	691.06	8.00	NM	683.06
	12/9/2009	691.06	7.22	NM	683.84
	6/15/2010	691.06	5.59	NM	685.47
	9/20/2010	691.06	8.00	NM	683.06
	12/13/2010	691.06	7.68	NM	683.38
	3/7/2011	691.06	5.41	NM	685.65
	6/21/2011	691.06	7.16	NM	683.90
	9/26/2011	691.06	8.00	NM	683.06
	12/12/2011	691.06	6.71	NM	684.35
	4/2/2012	691.06	7.81	NM	683.25
	7/9/2012	691.06	8.00	8.00	683.06
	10/1/2012	691.06	8.00	7.88	683.06
	7/13/2015	691.06	5.44	NM	685.62
	3/12/2018	691.06	7.94	NM	683.12

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-19D	8/11/2003	691.29	18.00	19.45	673.29
	10/29/2003	691.29	13.30	19.45	677.99
	2/18/2004	691.29	10.99	19.45	680.30
	9/9/2004	691.29	8.41	19.45	682.88
	7/31/2006	691.29	12.52	19.45	678.77
	7/24/2007	691.29	7.11	20.46	684.18
	11/30/2007	691.29	15.88	NM	675.41
	6/8/2008	691.29	9.71	NM	681.58
	9/9/2008	691.29	NM	NM	NM
	11/17/2008	691.29	16.89	NM	674.40
	2/5/2009	691.29	NM	NM	NM
	3/3/2009	691.29	16.31	NM	674.98
	3/11/2009	691.29	16.76	NM	674.53
	3/17/2009	691.29	17.23	NM	674.06
	3/25/2009	691.29	16.80	NM	674.49
	3/31/2009	691.29	17.62	NM	673.67
	4/20/2009	691.29	16.74	NM	674.55
	4/29/2009	691.29	16.29	NM	675.00
	5/6/2009	691.29	16.56	NM	674.73
	5/11/2009	691.29	16.87	NM	674.42
	5/20/2009	691.29	16.32	NM	674.97
	5/27/2009	691.29	16.83	NM	674.46
	6/8/2009	691.29	17.02	NM	674.27
	6/15/2009	691.29	16.72	NM	674.57
	6/25/2009	691.29	16.89	NM	674.40
	6/30/2009	691.29	16.58	NM	674.71
	7/31/2009	691.29	14.88	NM	676.41
	8/13/2009	691.29	14.93	NM	676.36
	8/26/2009	691.29	15.22	NM	676.07
	10/2/2009	691.29	14.05	NM	677.24
	10/6/2009	691.29	14.93	NM	676.36
	12/9/2009	691.29	10.71	NM	680.58
	12/18/2009	691.29	14.94	NM	676.35
	1/26/2010	691.29	14.22	NM	677.07
	2/3/2010	691.29	14.86	NM	676.43
	3/1/2010	691.29	14.72	NM	676.57
	6/15/2010	691.29	10.29	NM	681.00
	8/3/2010	691.29	9.54	NM	681.75
	8/10/2010	691.29	10.84	NM	680.45
	8/30/2010	691.29	11.67	NM	679.62
	9/20/2010	691.29	11.23	NM	680.06
	12/13/2010	691.29	10.18	NM	681.11
	2/18/2011	691.29	12.62	NM	678.67
	2/22/2011	691.29	12.44	NM	678.85
	3/7/2011	691.29	11.40	NM	679.89
	6/21/2011	691.29	8.34	NM	682.95
	9/26/2011	691.29	6.07	NM	685.22
	7/13/2015	691.29	5.98	NM	685.31
	3/12/2018	691.29	7.79	NM	683.50

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-20S	10/29/2003	691.16	6.85	7.60	684.31
	2/18/2004	691.16	5.61	7.60	685.55
	9/9/2004	691.16	7.51	7.60	683.65
	7/31/2006	691.16	7.32	7.60	683.84
	7/24/2007	691.16	7.39	7.79	683.77
	11/30/2007	691.16	6.59	NM	684.57
	6/8/2008	691.16	5.47	NM	685.69
	9/9/2008	691.16	7.60	NM	683.56
	11/17/2008	691.16	6.83	NM	684.33
	2/5/2009	691.16	6.60	NM	684.56
	2/25/2009	691.16	5.84	NM	685.32
	3/3/2009	691.16	6.24	NM	684.92
	12/9/2009	691.16	5.97	NM	685.19
	6/15/2010	691.16	5.32	NM	685.84
	9/20/2010	691.16	7.62	NM	683.54
	12/13/2010	691.16	6.20	NM	684.96
	3/7/2011	691.16	5.34	NM	685.82
	6/21/2011	691.16	6.16	NM	685.00
	9/26/2011	691.16	7.07	NM	684.09
	12/12/2011	691.16	5.79	NM	685.37
	4/2/2012	691.16	6.20	NM	684.96
	7/9/2012	691.16	7.79	7.79	683.37
	10/1/2012	691.16	6.62	NM	684.54
	7/13/2015	691.16	5.35	NM	685.81
	3/12/2018	691.16	6.24	NM	684.92
	12/16/2019	691.16	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-20D	10/29/2003	691.54	6.37	26.00	685.17
	2/18/2004	691.54	6.12	26.00	685.42
	9/9/2004	691.54	7.31	26.00	684.23
	7/31/2006	691.54	7.19	26.00	684.35
	7/24/2007	691.54	7.20	26.00	684.34
	11/30/2007	691.54	7.12	NM	684.42
	6/8/2008	691.54	6.38	NM	685.16
	9/9/2008	691.54	NM	NM	NM
	11/17/2008	691.54	6.75	NM	684.79
	2/5/2009	691.54	NM	NM	NM
	2/25/2009	691.54	6.32	NM	685.22
	3/3/2009	691.54	5.88	NM	685.66
	3/11/2009	691.54	6.45	NM	685.09
	3/17/2009	691.54	6.67	NM	684.87
	3/25/2009	691.54	6.05	NM	685.49
	3/31/2009	691.54	5.96	NM	685.58
	4/20/2009	691.54	5.80	NM	685.74
	4/29/2009	691.54	6.20	NM	685.34
	5/6/2009	691.54	6.18	NM	685.36
	5/11/2009	691.54	6.18	NM	685.36
	5/20/2009	691.54	5.94	NM	685.60
	5/27/2009	691.54	7.26	NM	684.28
	6/8/2009	691.54	7.08	NM	684.46
	6/15/2009	691.54	6.23	NM	685.31
	6/24/2009	691.54	5.76	NM	685.78
	6/30/2009	691.54	6.84	NM	684.70
	7/31/2009	691.54	6.43	NM	685.11
	8/13/2009	691.54	6.97	NM	684.57
	8/26/2009	691.54	7.59	NM	683.95
	10/2/2009	691.54	7.05	NM	684.49
	10/6/2009	691.54	7.11	NM	684.43
	12/9/2009	691.54	6.17	NM	685.37
	12/18/2009	691.54	6.21	NM	685.33
	1/20/2010	691.54	6.83	NM	684.71
	1/26/2010	691.54	5.96	NM	685.58
	2/3/2010	691.54	7.60	NM	683.94
	3/1/2010	691.54	6.26	NM	685.28
	4/16/2010	691.54	6.33	NM	685.21
	6/15/2010	691.54	5.55	NM	685.99
	8/3/2010	691.54	7.60	NM	683.94
	8/10/2010	691.54	7.62	NM	683.92
	8/30/2010	691.54	7.65	NM	683.89
	9/20/2010	691.54	7.62	NM	683.92
	12/13/2010	691.54	6.40	NM	685.14
	2/18/2011	691.54	6.71	NM	684.83
	2/22/2011	691.54	5.47	NM	686.07
	3/4/2011	691.54	5.76	NM	685.78
	3/7/2011	691.54	5.63	NM	685.91
	3/28/2011	691.54	6.58	NM	684.96
	6/21/2011	691.54	6.19	NM	685.35
	9/26/2011	691.54	7.02	NM	684.52
	7/13/2015	691.54	5.58	NM	685.96
	3/12/2018	691.54	6.55	NM	684.99

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-21S	10/29/2003	688.99	4.41	6.90	684.58
	2/18/2004	688.99	4.43	6.90	684.56
	9/9/2004	688.99	4.91	6.90	684.08
	7/31/2006	688.99	4.78	6.90	684.21
	7/24/2007	688.99	5.00	7.08	683.99
	11/30/2007	688.99	4.66	NM	684.33
	6/8/2008	688.99	3.51	NM	685.48
	9/9/2008	688.99	5.05	NM	683.94
	11/17/2008	688.99	4.46	NM	684.53
	2/5/2009	688.99	4.75	NM	684.24
	2/25/2009	688.99	4.32	NM	684.67
	3/3/2009	688.99	4.33	NM	684.66
	12/9/2009	688.99	4.70	NM	684.29
	6/15/2010	688.99	3.67	NM	685.32
	9/20/2010	688.99	5.20	NM	683.79
	12/13/2010	688.99	4.22	NM	684.77
	6/21/2011	688.99	4.29	NM	684.70
	9/26/2011	688.99	4.17	NM	684.82
	12/12/2011	688.99	4.30	NM	684.69
	4/2/2012	688.99	4.49	NM	684.50
	7/9/2012	688.99	4.73	NM	684.26
	10/1/2012	688.99	4.77	NM	684.22
	7/13/2015	688.99	3.77	NM	685.22
	3/12/2018	688.99	4.76	NM	684.23
	12/16/2019	688.99	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-21D	10/29/2003	688.4	3.71	25.09	684.69
	2/18/2004	688.4	3.70	25.09	684.70
	9/9/2004	688.4	5.70	25.09	682.70
	7/31/2006	688.4	4.55	25.09	683.85
	7/24/2007	688.4	4.55	25.27	683.85
	11/30/2007	688.4	4.20	NM	684.20
	6/8/2008	688.4	3.09	NM	685.31
	9/9/2008	688.4	NM	NM	NM
	11/17/2008	688.4	3.95	NM	684.45
	2/5/2009	NM	NM	NM	NM
	2/25/2009	688.4	4.60	NM	683.80
	3/3/2009	688.4	4.46	NM	683.94
	3/11/2009	688.4	4.52	NM	683.88
	3/17/2009	688.4	4.86	NM	683.54
	3/25/2009	688.4	3.95	NM	684.45
	3/31/2009	688.4	4.01	NM	684.39
	4/20/2009	688.4	3.87	NM	684.53
	4/29/2009	688.4	4.15	NM	684.25
	5/6/2009	688.4	4.10	NM	684.30
	5/11/2009	688.4	4.06	NM	684.34
	5/20/2009	688.4	3.77	NM	684.63
	5/27/2009	688.4	4.39	NM	684.01
	6/8/2009	688.4	4.93	NM	683.47
	6/15/2009	688.4	3.94	NM	684.46
	6/25/2009	688.4	3.62	NM	684.78
	6/30/2009	688.4	4.68	NM	683.72
	7/31/2009	688.4	4.58	NM	683.82
	8/13/2009	688.4	4.73	NM	683.67
	8/26/2009	688.4	5.29	NM	683.11
	10/2/2009	688.4	4.12	NM	684.28
	10/6/2009	688.4	4.49	NM	683.91
	12/9/2009	688.4	4.41	NM	683.99
	12/18/2009	688.4	4.69	NM	683.71
	1/20/2010	688.4	5.16	NM	683.24
	1/26/2010	688.4	4.54	NM	683.86
	2/3/2010	688.4	5.07	NM	683.33
	3/1/2010	688.4	4.94	NM	683.46
	4/16/2010	688.4	5.00	NM	683.40
	6/15/2010	688.4	4.32	NM	684.08
	8/3/2010	688.4	5.52	NM	682.88
	8/10/2010	688.4	5.57	NM	682.83
	8/30/2010	688.4	5.60	NM	682.80
	9/20/2010	688.4	5.66	NM	682.74
	12/13/2010	688.4	4.83	NM	683.57
	2/18/2011	688.4	5.05	NM	683.35
	2/22/2011	688.4	4.06	NM	684.34
	3/4/2011	688.4	4.33	NM	684.07
	3/7/2011	688.4	4.14	NM	684.26
	3/28/2011	688.4	5.00	NM	683.40
	6/21/2011	688.4	4.53	NM	683.87
	9/26/2011	688.4	4.55	NM	683.85
	7/13/2015	688.4	3.69	NM	684.71
	3/12/2018	688.4	5.10	NM	683.30

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-22D	10/29/2003	688.35	3.61	25.06	684.74
	2/18/2004	688.35	3.64	25.06	684.71
	9/9/2004	688.35	4.65	25.06	683.70
	7/31/2006	688.35	4.48	25.06	683.87
	7/24/2007	688.35	4.20	21.69	684.15
	11/30/2007	688.35	4.15	NM	684.20
	6/8/2008	688.35	3.08	NM	685.27
	9/9/2008	688.35	NM	NM	NM
	11/17/2008	688.35	3.95	NM	684.40
	2/5/2009	688.35	NM	NM	NM
	3/3/2009	688.35	4.12	NM	684.23
	3/11/2009	688.35	4.14	NM	684.21
	3/17/2009	688.35	4.52	NM	683.83
	3/25/2009	688.35	3.63	NM	684.72
	3/31/2009	688.35	3.70	NM	684.65
	4/20/2009	688.35	3.54	NM	684.81
	4/29/2009	688.35	3.83	NM	684.52
	5/6/2009	688.35	3.81	NM	684.54
	5/11/2009	688.35	3.76	NM	684.59
	5/20/2009	688.35	3.43	NM	684.92
	5/27/2009	688.35	4.06	NM	684.29
	6/8/2009	688.35	4.59	NM	683.76
	6/15/2009	688.35	3.58	NM	684.77
	6/25/2009	688.35	3.28	NM	685.07
	6/30/2009	688.35	4.35	NM	684.00
	7/31/2009	688.35	4.32	NM	684.03
	8/13/2009	688.35	4.42	NM	683.93
	8/26/2009	688.35	4.97	NM	683.38
	10/2/2009	688.35	3.78	NM	684.57
	10/6/2009	688.35	4.17	NM	684.18
	12/9/2009	688.35	4.12	NM	684.23
	12/18/2009	688.35	4.34	NM	684.01
	1/20/2010	688.35	4.83	NM	683.52
	1/26/2010	688.35	4.23	NM	684.12
	2/3/2010	688.35	4.74	NM	683.61
	3/1/2010	688.35	4.62	NM	683.73
	4/16/2010	688.35	4.68	NM	683.67
	6/15/2010	688.35	3.99	NM	684.36
	8/3/2010	688.35	5.18	NM	683.17
	8/10/2010	688.35	5.24	NM	683.11
	8/30/2010	688.35	5.27	NM	683.08
	9/20/2010	688.35	5.34	NM	683.01
	12/13/2010	688.35	4.50	NM	683.85
	2/18/2011	688.35	4.74	NM	683.61
	2/22/2011	688.35	3.73	NM	684.62
	3/4/2011	688.35	4.02	NM	684.33
	3/7/2011	688.35	3.82	NM	684.53
	3/28/2011	688.35	4.62	NM	683.73
	6/21/2011	688.35	4.17	NM	684.18
	9/26/2011	688.35	4.24	NM	684.11
	7/13/2015	688.35	3.02	NM	685.33
	3/12/2018	688.35	4.78	NM	683.57

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-23D	10/29/2003	687.96	3.23	24.05	684.73
	2/18/2004	687.96	2.55	24.05	685.41
	9/9/2004	687.96	4.30	24.05	683.66
	7/31/2006	687.96	4.09	24.05	683.87
	7/24/2007	687.96	4.08	24.25	683.88
	11/30/2007	687.96	7.57	NM	680.39
	6/8/2008	687.96	2.61	NM	685.35
	9/9/2008	687.96	NM	NM	NM
	11/17/2008	687.96	3.50	NM	684.46
	2/5/2009	687.96	NM	NM	NM
	3/3/2009	687.96	3.79	NM	684.17
	3/11/2009	687.96	3.80	NM	684.16
	3/17/2009	687.96	4.10	NM	683.86
	3/25/2009	687.96	3.28	NM	684.68
	3/31/2009	687.96	3.27	NM	684.69
	4/20/2009	687.96	3.13	NM	684.83
	4/29/2009	687.96	3.42	NM	684.54
	5/6/2009	687.96	3.50	NM	684.46
	5/11/2009	687.96	3.29	NM	684.67
	5/20/2009	687.96	3.08	NM	684.88
	5/27/2009	687.96	3.68	NM	684.28
	6/8/2009	687.96	4.15	NM	683.81
	6/15/2009	687.96	3.22	NM	684.74
	6/25/2009	687.96	2.86	NM	685.10
	6/30/2009	687.96	3.87	NM	684.09
	7/31/2009	687.96	3.92	NM	684.04
	8/13/2009	687.96	4.01	NM	683.95
	8/26/2009	687.96	4.60	NM	683.36
	10/2/2009	687.96	3.42	NM	684.54
	10/6/2009	687.96	3.77	NM	684.19
	12/9/2010	687.96	3.72	NM	684.24
	12/18/2009	687.96	3.93	NM	684.03
	1/15/2010	687.96	4.51	NM	683.45
	1/26/2010	687.96	3.83	NM	684.13
	2/3/2010	687.96	4.40	NM	683.56
	3/1/2010	687.96	4.35	NM	683.61
	6/15/2010	687.96	3.53	NM	684.43
	8/30/2010	687.96	4.88	NM	683.08
	9/20/2010	687.96	6.95	NM	681.01
	12/13/2010	687.96	4.20	NM	683.76
	2/18/2011	687.96	4.39	NM	683.57
	2/22/2011	687.96	3.32	NM	684.64
	3/7/2011	687.96	3.35	NM	684.61
	6/21/2011	687.96	3.76	NM	684.20
	9/26/2011	687.96	3.75	NM	684.21
	7/13/2015	687.96	2.70	NM	685.26
	3/12/2018	687.96	5.62	NM	682.34
	1/7/2020	687.96	3.75	NM	684.21

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-24A	11/17/2008	687.89	3.90	27.68	683.99
	2/25/2009	687.89	3.78	NM	684.11
	3/3/2009	687.89	4.31	NM	683.58
	3/11/2009	687.89	3.80	NM	684.09
	3/17/2009	687.89	4.52	NM	683.37
	3/25/2009	687.89	3.45	NM	684.44
	3/31/2009	687.89	3.26	NM	684.63
	4/20/2009	687.89	3.08	NM	684.81
	4/29/2009	687.89	3.41	NM	684.48
	5/6/2009	687.89	3.45	NM	684.44
	5/11/2009	687.89	3.31	NM	684.58
	5/20/2009	687.89	2.98	NM	684.91
	5/27/2009	687.89	3.61	NM	684.28
	6/8/2009	687.89	4.09	NM	683.80
	6/15/2009	687.89	3.12	NM	684.77
	6/25/2009	687.89	2.74	NM	685.15
	6/30/2009	687.89	3.64	NM	684.25
	7/31/2009	687.89	4.18	NM	683.71
	8/13/2009	687.89	3.90	NM	683.99
	8/26/2009	687.89	4.53	NM	683.36
	10/2/2009	687.89	3.48	NM	684.41
	10/6/2009	687.89	3.83	NM	684.06
	12/9/2009	687.89	3.59	NM	684.30
	12/18/2009	687.89	3.88	NM	684.01
	1/4/2010	687.89	4.33	NM	683.56
	1/6/2010	687.89	4.47	NM	683.42
	1/11/2010	687.89	4.58	NM	683.31
	1/18/2010	687.89	4.13	NM	683.76
	1/20/2010	687.89	4.33	NM	683.56
	1/25/2010	687.89	3.63	NM	684.26
	2/2/2010	687.89	4.30	NM	683.59
	2/4/2010	687.89	4.40	NM	683.49
	2/5/2010	687.89	4.31	NM	683.58
	2/22/2010	687.89	3.90	NM	683.99
	3/2/2010	687.89	4.19	NM	683.70
	3/4/2010	687.89	4.29	NM	683.60
	3/8/2010	687.89	4.19	NM	683.70
	3/11/2010	687.89	4.42	NM	683.47
	4/16/2010	687.89	4.21	NM	683.68
	4/26/2010	687.89	3.26	NM	684.63

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-24A	5/5/2010	687.89	3.88	NM	684.01
	6/1/2010	687.89	4.21	NM	683.68
	6/9/2010	687.89	4.03	NM	683.86
	6/15/2010	687.89	3.50	NM	684.39
	6/24/2010	687.89	4.14	NM	683.75
	8/3/2010	687.89	4.75	NM	683.14
	8/10/2010	687.89	4.74	NM	683.15
	8/17/2010	687.89	5.12	NM	682.77
	8/23/2010	687.89	4.64	NM	683.25
	8/30/2010	687.89	4.76	NM	683.13
	9/20/2010	687.89	4.84	NM	683.05
	9/24/2010	687.89	4.89	NM	683.00
	10/1/2010	687.89	5.04	NM	682.85
	10/5/2010	687.89	4.94	NM	682.95
	10/12/2010	687.89	5.07	NM	682.82
	10/18/2010	687.89	5.01	NM	682.88
	12/10/2010	687.89	4.30	NM	683.59
	12/13/2010	687.89	3.98	NM	683.91
	12/28/2010	687.89	4.21	NM	683.68
	1/3/2011	687.89	3.97	NM	683.92
	1/10/2011	687.89	4.70	NM	683.19
	1/17/2011	687.89	4.39	NM	683.50
	2/18/2011	687.89	4.32	NM	683.57
	2/22/2011	687.89	3.29	NM	684.60
	3/4/2011	687.89	3.52	NM	684.37
	3/7/2011	687.89	3.34	NM	684.55
	3/18/2011	687.89	3.91	NM	683.98
	3/28/2011	687.89	4.42	NM	683.47
	6/21/2011	687.89	3.72	NM	684.17
	9/26/2011	687.89	4.91	NM	682.98
	7/13/2015	687.89	2.35	NM	685.54
	3/12/2018	687.89	3.70	NM	684.19

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-25A	11/17/2008	692.65	5.20	22.18	687.45
	3/3/2009	692.65	4.78	NM	687.87
	3/11/2009	692.65	5.20	NM	687.45
	3/17/2009	692.65	5.95	NM	686.70
	3/25/2009	692.65	4.81	NM	687.84
	3/31/2009	692.65	4.58	NM	688.07
	4/20/2009	692.65	4.35	NM	688.30
	4/29/2009	692.65	4.70	NM	687.95
	5/6/2009	692.65	4.85	NM	687.80
	5/11/2009	692.65	4.78	NM	687.87
	5/20/2009	692.65	4.42	NM	688.23
	5/27/2009	692.65	4.95	NM	687.70
	6/8/2009	692.65	5.66	NM	686.99
	6/15/2009	692.65	4.79	NM	687.86
	6/25/2009	692.65	4.64	NM	688.01
	6/30/2009	692.65	5.49	NM	687.16
	7/31/2009	692.65	5.21	NM	687.44
	8/13/2009	692.65	5.56	NM	687.09
	8/26/2009	692.65	6.74	NM	685.91
	10/2/2009	692.65	4.98	NM	687.67
	10/6/2009	692.65	5.61	NM	687.04
	12/9/2009	692.65	4.61	NM	688.04
	12/18/2009	692.65	4.58	NM	688.07
	1/26/2010	692.65	4.35	NM	688.30
	2/3/2010	692.65	5.10	NM	687.55
	3/1/2010	692.65	4.88	NM	687.77
	6/15/2010	692.65	4.10	NM	688.55
	8/3/2010	692.65	6.99	NM	685.66
	8/10/2010	692.65	7.20	NM	685.45
	9/20/2010	692.65	7.63	NM	685.02
	12/13/2010	692.65	5.25	NM	687.40
	3/7/2011	692.65	4.32	NM	688.33
	6/21/2011	692.65	5.22	NM	687.43
	9/26/2011	692.65	5.01	NM	687.64
	12/12/2011	692.65	5.06	NM	687.59
	4/2/2012	692.65	4.61	NM	688.04
	7/9/2012	692.65	7.47	NM	685.18
	10/1/2012	692.65	4.90	NM	687.75
	7/13/2015	692.65	4.01	NM	688.64
	3/12/2018	692.65	5.32	NM	687.33

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-26A	11/17/2008	692.00	36.60	40.68	655.40
	3/3/2009	692.00	33.08	NM	658.92
	3/11/2009	692.00	33.00	NM	659.00
	3/17/2009	692.00	33.28	NM	658.72
	3/25/2009	692.00	31.97	NM	660.03
	3/31/2009	692.00	33.49	NM	658.51
	4/20/2009	692.00	37.51	NM	654.49
	4/29/2009	692.00	36.79	NM	655.21
	5/6/2009	692.00	36.78	NM	655.22
	5/11/2009	692.00	35.54	NM	656.46
	5/20/2009	692.00	36.39	NM	655.61
	5/27/2009	692.00	36.45	NM	655.55
	6/8/2009	692.00	36.23	NM	655.77
	6/15/2009	692.00	35.90	NM	656.10
	6/25/2009	692.00	35.81	NM	656.19
	6/30/2009	692.00	35.56	NM	656.44
	7/31/2009	692.00	33.23	NM	658.77
	8/13/2009	692.00	33.14	NM	658.86
	8/26/2009	692.00	33.14	NM	658.86
	10/2/2009	692.00	30.76	NM	661.24
	10/6/2009	692.00	31.61	NM	660.39
	12/9/2009	692.00	25.93	NM	666.07
	12/18/2009	692.00	29.98	NM	662.02
	1/13/2010	692.00	28.94	NM	663.06
	1/14/2010	692.00	35.88	NM	656.12
	1/15/2010	692.00	35.79	NM	656.21
	1/18/2010	692.00	35.67	NM	656.33
	1/19/2010	692.00	35.64	NM	656.36
	1/20/2010	692.00	35.58	NM	656.42
	1/26/2010	692.00	35.36	NM	656.64
	2/3/2010	692.00	35.01	NM	656.99
	3/1/2010	692.00	34.85	NM	657.15
	6/15/2010	692.00	25.05	NM	666.95
	8/3/2010	692.00	22.39	NM	669.61
	8/10/2010	692.00	23.38	NM	668.62
	9/20/2010	692.00	22.38	NM	669.62
	12/13/2010	692.00	18.20	NM	673.80
	3/7/2011	692.00	22.07	NM	669.93
	6/21/2011	692.00	23.38	NM	668.62
	9/26/2011	692.00	25.03	NM	666.97
	12/12/2011	692.00	26.43	NM	665.57
	4/2/2012	692.00	26.79	NM	665.21
	7/9/2012	692.00	27.08	NM	664.92
	10/1/2012	692.00	30.45	NM	661.55
	7/13/2015	692.00	8.86	NM	683.14
	3/12/2018	692.00	5.63	NM	686.37

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-27A	11/17/2008	691.55	7.74	34.00	683.81
	2/25/2009	691.55	7.42	NM	684.13
	3/3/2009	691.55	7.34	NM	684.21
	3/11/2009	691.55	6.34	NM	685.21
	3/17/2009	691.55	7.77	NM	683.78
	3/25/2009	691.55	6.83	NM	684.72
	3/31/2009	691.55	6.39	NM	685.16
	4/20/2009	691.55	6.73	NM	684.82
	4/29/2009	691.55	7.05	NM	684.50
	5/6/2009	691.55	7.00	NM	684.55
	5/11/2009	691.55	6.95	NM	684.60
	5/20/2009	691.55	6.64	NM	684.91
	5/27/2009	691.55	7.26	NM	684.29
	6/8/2009	691.55	7.83	NM	683.72
	6/15/2009	691.55	6.82	NM	684.73
	6/24/2009	691.55	6.48	NM	685.07
	6/30/2009	691.55	6.71	NM	684.84
	7/31/2009	691.55	7.73	NM	683.82
	8/13/2009	691.55	7.67	NM	683.88
	8/26/2009	691.55	8.24	NM	683.31
	10/2/2009	691.55	7.02	NM	684.53
	10/6/2009	691.55	7.39	NM	684.16
	12/9/2009	691.55	7.28	NM	684.27
	12/18/2009	691.55	7.53	NM	684.02
	1/4/2010	691.55	8.01	NM	683.54
	1/6/2010	691.55	8.12	NM	683.43
	1/11/2010	691.55	8.20	NM	683.35
	1/18/2010	691.55	8.02	NM	683.53
	1/21/2010	691.55	7.92	NM	683.63
	1/25/2010	691.55	7.23	NM	684.32
	2/2/2010	691.55	7.94	NM	683.61

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-27A	2/4/2010	691.55	7.76	NM	683.79
	2/5/2010	691.55	7.81	NM	683.74
	2/22/2010	691.55	7.12	NM	684.43
	3/2/2010	691.55	7.88	NM	683.67
	3/4/2010	691.55	7.91	NM	683.64
	3/8/2010	691.55	7.98	NM	683.57
	3/11/2010	691.55	7.96	NM	683.59
	3/24/2010	691.55	7.29	NM	684.26
	4/15/2010	691.55	7.75	NM	683.80
	4/19/2010	691.55	7.97	NM	683.58
	4/26/2010	691.55	7.11	NM	684.44
	5/5/2010	691.55	7.46	NM	684.09
	6/1/2010	691.55	7.93	NM	683.62
	6/9/2010	691.55	7.78	NM	683.77
	6/15/2010	691.55	7.11	NM	684.44
	6/24/2010	691.55	7.22	NM	684.33
	7/22/2010	691.55	7.98	NM	683.57
	8/3/2010	691.55	8.39	NM	683.16
	8/10/2010	691.55	8.43	NM	683.12
	8/17/2010	691.55	8.62	NM	682.93
	8/23/2010	691.55	8.37	NM	683.18
	8/30/2010	691.55	8.49	NM	683.06
	9/20/2010	691.55	8.55	NM	683.00
	12/13/2010	691.55	7.64	NM	683.91
	2/18/2011	691.55	7.92	NM	683.63
	2/22/2011	691.55	6.90	NM	684.65
	3/7/2011	691.55	6.95	NM	684.60
	6/21/2011	691.55	7.34	NM	684.21
	9/26/2011	691.55	7.40	NM	684.15
		Well Decommissioned / Converted to RW-17			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-28A	2/9/2009	692.54	51.19	66.40	641.35
	2/25/2009	692.54	34.09	NM	658.45
	3/3/2009	692.54	26.00	NM	666.54
	3/11/2009	692.54	17.57	NM	674.97
	3/17/2009	692.54	12.96	NM	679.58
	3/25/2009	692.54	8.40	NM	684.14
	3/31/2009	692.54	5.83	NM	686.71
	4/20/2009	692.54	0.71	NM	691.83
	4/29/2009	692.54	0.08	NM	692.46
	5/6/2009	692.54	0.06	NM	692.48
	5/11/2009	692.54	0.04	NM	692.50
	5/20/2009	692.54	0.09	NM	692.45
	5/27/2009	692.54	0.07	NM	692.47
	6/8/2009	692.54	0.08	NM	692.46
	6/15/2009	692.54	0.07	NM	692.47
	6/24/2009	692.54	0.15	NM	692.39
	6/30/2009	692.54	0.11	NM	692.43
	7/31/2009	692.54	0.00	NM	692.54
	8/5/2009	692.54	0.00	NM	692.54
	8/13/2009	692.54	11.68	NM	680.86
	8/26/2009	692.54	4.89	NM	687.65
	10/2/2009	692.54	0.80	NM	691.74
	10/6/2009	692.54	0.00	NM	692.54
	12/9/2009	692.54	0.00	NM	692.54
	12/28/2009	692.54	0.00	NM	692.54
	1/18/2010	692.54	0.01	NM	692.53
	1/19/2010	692.54	49.81	NM	642.73
	1/20/2010	692.54	46.95	NM	645.59
	1/21/2010	692.54	44.48	NM	648.06
	1/22/2010	692.54	42.12	NM	650.42
	1/25/2010	692.54	35.82	NM	656.72
	4/29/2010	692.54	0.00	NM	692.54
	5/17/2010	692.54	0.68	NM	691.86
	6/15/2010	692.54	0.11	NM	692.43
	8/30/2010	692.54	0.00	NM	692.54
	9/20/2010	692.54	0.08	NM	692.46
	12/13/2010	692.54	0.00	NM	692.54
	3/7/2011	692.54	0.00	NM	692.54
	6/21/2011	692.54	0.00	NM	692.54
	9/26/2011	692.54	0.00	NM	692.54
	12/12/2011	692.54	0.00	NM	692.54
	4/2/2012	692.54	0.00	NM	692.54
	7/9/2012	692.54	0.00	NM	692.54
	10/1/2012	692.54	0.00	NM	692.54
	7/13/2015	692.54	0.00	NM	692.54
	3/12/2018	692.54	0.00	NM	692.54

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-28B	2/9/2009	692.28	6.97	23.62	685.31
	2/25/2009	692.28	8.55	NM	683.73
	3/3/2009	692.28	8.35	NM	683.93
	3/11/2009	692.28	8.45	NM	683.83
	3/17/2009	692.28	9.02	NM	683.26
	3/25/2009	692.28	7.99	NM	684.29
	3/31/2009	692.28	7.82	NM	684.46
	4/20/2009	692.28	7.62	NM	684.66
	4/29/2009	692.28	7.99	NM	684.29
	5/6/2009	692.28	8.14	NM	684.14
	5/11/2009	692.28	7.95	NM	684.33
	5/20/2009	692.28	7.55	NM	684.73
	5/27/2009	692.28	8.37	NM	683.91
	6/8/2009	692.28	9.19	NM	683.09
	6/15/2009	692.28	7.77	NM	684.51
	6/24/2009	692.28	7.42	NM	684.86
	6/30/2009	692.28	8.79	NM	683.49
	7/31/2009	692.28	8.85	NM	683.43
	8/5/2009	692.28	7.53	NM	684.75
	8/13/2009	692.28	8.94	NM	683.34
	8/26/2009	692.28	9.74	NM	682.54
	10/2/2009	692.28	8.09	NM	684.19
	10/6/2009	692.28	6.96	NM	685.32
	12/9/2009	692.28	7.99	NM	684.29
	12/28/2009	692.28	9.78	NM	682.50
	1/21/2010	692.28	8.67	NM	683.61
	4/29/2010	692.28	8.01	NM	684.27
	5/17/2010	692.28	7.91	NM	684.37
	6/15/2010	692.28	7.33	NM	684.95
	8/30/2010	692.28	10.39	NM	681.89
	9/20/2010	692.28	10.48	NM	681.80
	12/13/2010	692.28	8.44	NM	683.84
	2/18/2011	692.28	9.08	NM	683.20
	3/7/2011	692.28	7.23	NM	685.05
	6/21/2011	692.28	8.10	NM	684.18
	9/26/2011	692.28	8.11	NM	684.17
	12/12/2011	692.28	8.25	NM	684.03
	4/2/2012	692.28	8.69	NM	683.59
	7/9/2012	692.28	9.91	NM	682.37
	10/1/2012	692.28	8.98	NM	683.30
	7/13/2015	692.28	7.08	NM	685.20
	3/12/2018	692.28	9.84	NM	682.44
	1/7/2020	692.28	8.60	NM	683.68

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-28C	2/9/2009	692.71	27.30	38.60	665.41
	2/25/2009	692.71	28.45	NM	664.26
	3/3/2009	692.71	24.44	NM	668.27
	3/11/2009	692.71	20.35	NM	672.36
	3/17/2009	692.71	19.15	NM	673.56
	3/25/2009	692.71	16.48	NM	676.23
	3/31/2009	692.71	14.84	NM	677.87
	4/20/2009	692.71	11.12	NM	681.59
	4/29/2009	692.71	10.54	NM	682.17
	5/6/2009	692.71	10.05	NM	682.66
	5/11/2009	692.71	9.87	NM	682.84
	5/20/2009	692.71	9.31	NM	683.40
	5/27/2009	692.71	9.19	NM	683.52
	6/8/2009	692.71	9.28	NM	683.43
	6/15/2009	692.71	9.19	NM	683.52
	6/25/2009	692.71	9.05	NM	683.66
	6/30/2009	692.71	8.92	NM	683.79
	7/31/2009	692.71	8.81	NM	683.90
	8/5/2009	692.71	8.94	NM	683.77
	8/13/2009	692.71	20.47	NM	672.24
	8/26/2009	692.71	15.96	NM	676.75
	10/2/2009	692.71	10.99	NM	681.72
	10/6/2009	692.71	10.87	NM	681.84
	12/9/2009	692.71	8.82	NM	683.89
	12/28/2009	692.71	14.43	NM	678.28
	1/14/2010	692.71	11.70	NM	681.01
	1/15/2010	692.71	24.96	NM	667.75
	1/18/2010	692.71	23.05	NM	669.66
	1/19/2010	692.71	22.49	NM	670.22
	1/20/2010	692.71	21.91	NM	670.80
	1/21/2010	692.71	21.38	NM	671.33
	4/29/2010	692.71	9.32	NM	683.39
	5/17/2010	692.71	8.67	NM	684.04
	6/15/2010	692.71	9.24	NM	683.47
	8/30/2010	692.71	10.51	NM	682.20
	9/20/2010	692.71	10.46	NM	682.25
	12/13/2010	692.71	9.77	NM	682.94
	2/18/2011	692.71	9.77	NM	682.94
	3/7/2011	692.71	8.85	NM	683.86
	6/21/2011	692.71	9.14	NM	683.57
	9/26/2011	692.71	10.22	NM	682.49
	12/12/2011	692.71	8.44	NM	684.27
	4/2/2012	692.71	9.77	NM	682.94
	7/9/2012	692.71	11.27	NM	681.44
	10/1/2012	692.71	10.42	NM	682.29
	7/13/2015	692.71	8.81	NM	683.90
	3/12/2018	692.71	10.01	NM	682.70
	1/7/2020	692.71	9.10	NM	683.61

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-29A	2/9/2009	696.28	49.15	79.65	647.13
	2/25/2009	696.28	55.32	NM	640.96
	3/3/2009	696.28	16.36	NM	679.92
	3/11/2009	696.28	7.22	NM	689.06
	3/17/2009	696.28	2.81	NM	693.47
	3/25/2009	696.28	1.23	NM	695.05
	3/31/2009	696.28	1.06	NM	695.22
	4/20/2009	696.28	0.13	NM	696.15
	4/29/2009	696.28	0.17	NM	696.11
	5/6/2009	696.28	0.09	NM	696.19
	5/11/2009	696.28	0.06	NM	696.22
	5/20/2009	696.28	0.08	NM	696.20
	5/27/2009	696.28	0.00	NM	696.28
	6/8/2009	696.28	0.13	NM	696.15
	6/15/2009	696.28	0.08	NM	696.20
	6/25/2009	696.28	0.04	NM	696.24
	8/5/2009	696.28	0.00	NM	696.28
	8/13/2009	696.28	9.78	NM	686.50
	8/26/2009	696.28	1.84	NM	694.44
	10/2/2009	696.28	0.09	NM	696.19
	10/6/2009	696.28	0.16	NM	696.12
	12/9/2009	696.28	0.00	NM	696.28
	12/18/2009	696.28	4.04	NM	692.24
	1/18/2010	696.28	0.24	NM	696.04
	1/19/2010	696.28	36.72	NM	659.56
	1/20/2010	696.28	31.36	NM	664.92
	1/21/2010	696.28	28.49	NM	667.79
	1/22/2010	696.28	26.28	NM	670.00
	1/25/2010	696.28	20.14	NM	676.14
	1/26/2010	696.28	18.52	NM	677.76
	4/29/2010	696.28	0.20	NM	696.08
	5/17/2010	696.28	0.35	NM	695.93
	6/15/2010	696.28	0.38	NM	695.90
	8/30/2010	696.28	0.07	NM	696.21
	9/20/2010	696.28	0.00	NM	696.28
	12/13/2010	696.28	0.00	NM	696.28
	2/18/2011	696.28	0.69	NM	695.59
	3/7/2011	696.28	0.13	NM	696.15
	6/21/2011	696.28	0.20	NM	696.08
	9/26/2011	696.28	0.00	NM	696.28
	12/12/2011	696.28	0.00	NM	696.28
	4/2/2012	696.28	0.00	NM	696.28
	7/9/2012	696.28	0.00	NM	696.28
	10/1/2012	696.28	0.00	NM	696.28
	7/13/2015	696.28	0.12	NM	696.16
	3/12/2018	696.28	0.00	NM	696.28

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-29B	2/9/2009	696.23	15.63	40.70	680.60
	2/25/2009	696.23	11.63	NM	684.60
	3/3/2009	696.23	14.22	NM	682.01
	3/11/2009	696.23	10.86	NM	685.37
	3/17/2009	696.23	10.10	NM	686.13
	3/25/2009	696.23	10.79	NM	685.44
	3/31/2009	696.23	10.83	NM	685.40
	4/20/2009	696.23	6.44	NM	689.79
	4/29/2009	696.23	10.08	NM	686.15
	5/6/2009	696.23	11.08	NM	685.15
	5/11/2009	696.23	11.53	NM	684.70
	5/20/2009	696.23	10.48	NM	685.75
	5/27/2009	696.23	10.96	NM	685.27
	6/8/2009	696.23	11.15	NM	685.08
	6/15/2009	696.23	10.84	NM	685.39
	6/25/2009	696.23	10.43	NM	685.80
	6/30/2009	696.23	10.49	NM	685.74
	7/31/2009	696.23	8.84	NM	687.39
	8/5/2009	696.23	9.11	NM	687.12
	8/13/2009	696.23	10.89	NM	685.34
	8/26/2009	696.23	9.67	NM	686.56
	10/2/2009	696.23	7.93	NM	688.30
	10/6/2009	696.23	8.08	NM	688.15
	12/9/2009	696.23	6.94	NM	689.29
	12/18/2009	696.23	18.30	NM	677.93
	1/18/2010	696.23	7.96	NM	688.27
	1/19/2010	696.23	27.30	NM	668.93
	1/20/2010	696.23	22.34	NM	673.89
	1/21/2010	696.23	19.19	NM	677.04
	1/22/2010	696.23	16.66	NM	679.57
	1/25/2010	696.23	12.03	NM	684.20
	1/26/2010	696.23	11.31	NM	684.92
	2/3/2010	696.23	10.45	NM	685.78
	2/22/2010	696.23	8.22	NM	688.01
	3/1/2010	696.23	10.00	NM	686.23
	3/8/2010	696.23	9.18	NM	687.05
	4/16/2010	696.23	10.56	NM	685.67
	6/1/2010	696.23	11.58	NM	684.65
	6/15/2010	696.23	11.16	NM	685.07
	7/6/2010	696.23	10.83	NM	685.40
	8/3/2010	696.23	10.09	NM	686.14
	8/10/2010	696.23	9.82	NM	686.41
	8/30/2010	696.23	9.45	NM	686.78
	9/20/2010	696.23	8.67	NM	687.56
	12/13/2010	696.23	7.96	NM	688.27
	2/22/2011	696.23	8.32	NM	687.91
	3/4/2011	696.23	7.85	NM	688.38
	3/7/2011	696.23	8.56	NM	687.67
	3/28/2011	696.23	9.95	NM	686.28
	6/21/2011	696.23	11.34	NM	684.89
	9/26/2011	696.23	8.70	NM	687.53
	7/13/2015	696.23	8.08	NM	688.15
	3/12/2018	696.23	6.60	NM	689.63

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-30A	11/4/2009	691.39	6.98	33.30	684.41
	12/9/2009	691.39	7.39	NM	684.00
	1/19/2010	691.39	8.32	NM	683.07
	6/15/2010	691.39	6.78	NM	684.61
	8/30/2010	691.39	8.84	NM	682.55
	9/20/2010	691.39	8.83	NM	682.56
	12/13/2010	691.39	7.90	NM	683.49
	3/7/2011	691.39	6.52	NM	684.87
	6/21/2011	691.39	7.63	NM	683.76
	9/26/2011	691.39	7.51	NM	683.88
	12/12/2011	691.39	7.61	NM	683.78
	4/2/2012	691.39	8.03	NM	683.36
	7/9/2012	691.39	8.74	NM	682.65
	10/1/2012	691.39	8.19	NM	683.20
	7/13/2015	691.39	5.43	NM	685.96
	3/12/2018	691.39	9.01	NM	682.38

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-30B	11/4/2009	691.58	33.90	48.80	657.68
	12/9/2009	691.58	23.32	NM	668.26
	6/15/2010	691.58	9.98	NM	681.60
	8/30/2010	691.58	12.62	NM	678.96
	9/20/2010	691.58	11.75	NM	679.83
	12/13/2010	691.58	11.31	NM	680.27
	3/7/2011	691.58	9.91	NM	681.67
	6/21/2011	691.58	8.60	NM	682.98
	9/26/2011	691.58	10.95	NM	680.63
	12/12/2011	691.58	9.73	NM	681.85
	4/2/2012	691.58	7.84	NM	683.74
	7/9/2012	691.58	10.41	NM	681.17
	10/1/2012	691.58	11.52	NM	680.06
	7/13/2015	691.58	8.40	NM	683.18
	3/12/2018	691.58	6.74	NM	684.84

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-31A	11/4/2009	692.88	4.87	26.29	688.01
	12/9/2009	692.88	4.13	NM	688.75
	1/19/2010	692.88	4.96	NM	687.92
	6/15/2010	692.88	3.75	NM	689.13
	8/30/2010	692.88	6.33	NM	686.55
	9/20/2010	692.88	6.38	NM	686.50
	12/13/2010	692.88	4.84	NM	688.04
	2/18/2011	692.88	5.07	NM	687.81
	3/7/2011	692.88	3.74	NM	689.14
	6/21/2011	692.88	4.81	NM	688.07
	9/26/2011	692.88	4.14	NM	688.74
	12/12/2011	692.88	4.66	NM	688.22
	4/2/2012	692.88	4.55	NM	688.33
	7/9/2012	692.88	5.60	NM	687.28
	10/1/2012	692.88	4.90	NM	687.98
	7/13/2015	692.88	4.90	NM	687.98
	3/12/2018	692.88	4.65	NM	688.23
	12/17/2019	692.88	4.55	NM	688.33

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-31B	11/4/2009	692.55	19.25	63.18	673.30
	12/9/2009	692.55	0.08	NM	692.47
	1/18/2010	692.55	0.12	NM	692.43
	1/19/2010	692.55	40.95	NM	651.60
	1/20/2010	692.55	35.22	NM	657.33
	1/21/2010	692.55	30.61	NM	661.94
	1/22/2010	692.55	26.36	NM	666.19
	1/25/2010	692.55	16.36	NM	676.19
	4/29/2010	692.55	0.00	NM	692.55
	5/17/2010	692.55	0.16	NM	692.39
	6/15/2010	692.55	0.22	NM	692.33
	9/20/2010	692.55	2.31	NM	690.24
	12/13/2010	692.55	0.00	NM	692.55
	2/18/2011	692.55	0.00	NM	692.55
	3/7/2011	692.55	0.00	NM	692.55
	6/21/2011	692.55	0.00	NM	692.55
	9/26/2011	692.55	0.00	NM	692.55
	12/12/2011	692.55	0.00	NM	692.55
	4/2/2012	692.55	0.00	NM	692.55
	7/9/2012	692.55	0.00	NM	692.55
	10/1/2012	692.55	0.00	NM	692.55
	7/13/2015	692.55	0.00	NM	692.55
	3/12/2018	692.55	0.00	NM	692.55

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-31C	11/4/2009	692.80	32.97	35.67	659.83
	12/9/2009	692.80	28.03	NM	664.77
	1/19/2010	692.80	18.10	NM	674.70
	1/20/2010	692.80	32.37	NM	660.43
	1/21/2010	692.80	32.15	NM	660.65
	1/22/2010	692.80	31.92	NM	660.88
	1/25/2010	692.80	31.25	NM	661.55
	1/26/2010	692.80	30.71	NM	662.09
	6/15/2010	692.80	8.85	NM	683.95
	8/30/2010	692.80	9.40	NM	683.40
	9/20/2010	692.80	8.82	NM	683.98
	12/13/2010	692.80	9.03	NM	683.77
	2/18/2011	692.80	10.02	NM	682.78
	3/7/2011	692.80	9.12	NM	683.68
	6/21/2011	692.80	9.01	NM	683.79
	9/26/2011	692.80	9.35	NM	683.45
	12/12/2011	692.80	8.76	NM	684.04
	4/2/2012	692.80	8.67	NM	684.13
	7/9/2012	692.80	9.90	NM	682.90
	10/1/2012	692.80	12.86	NM	679.94
	7/13/2015	692.80	6.98	NM	685.82
	3/12/2018	692.80	6.72	NM	686.08

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-32A	11/4/2009	690.51	6.33	27.17	684.18
	12/9/2009	690.51	6.26	NM	684.25
	12/28/2009	690.51	7.56	NM	682.95
	1/14/2010	690.51	7.64	NM	682.87
	1/21/2010	690.51	7.20	NM	683.31
	6/15/2010	690.51	5.51	NM	685.00
	9/20/2010	690.51	8.88	NM	681.63
	12/13/2010	690.51	6.70	NM	683.81
	3/7/2011	690.51	5.48	NM	685.03
	6/21/2011	690.51	6.32	NM	684.19
	9/26/2011	690.51	6.27	NM	684.24
	12/12/2011	690.51	6.55	NM	683.96
	4/2/2012	690.51	6.96	NM	683.55
	7/9/2012	690.51	8.28	NM	682.23
	10/1/2012	690.51	7.28	NM	683.23
	7/13/2015	690.51	5.31	NM	685.20
	3/12/2018	690.51	8.40	NM	682.11
	1/7/2020	690.51	7.15	NM	683.36

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-32B	5/2/2012	690.19	5.96	49.30	684.23
	7/9/2012	690.19	8.15	NM	682.04
	10/1/2012	690.19	6.96	NM	683.23
	7/13/2015	690.19	5.00	NM	685.19
	3/12/2018	690.19	8.10	NM	682.09

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-32C	5/2/2012	690.18	5.96	33.62	684.22
	7/9/2012	690.18	7.94	NM	682.24
	10/1/2012	690.18	6.95	NM	683.23
	7/13/2015	690.18	5.08	NM	685.10
	3/12/2018	690.18	8.12	NM	682.06

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-33A	11/23/2009	703.07	31.53	49.84	671.54
	12/9/2009	703.07	38.56	NM	664.51
	3/14/2010	703.07	18.74	47.70	684.33
	6/15/2010	703.07	20.81	47.70	682.26
	9/20/2010	703.07	26.42	47.70	676.65
	12/13/2010	703.07	21.09	47.70	681.98
	3/7/2011	703.07	19.00	NM	684.07
	6/21/2011	703.07	19.52	NM	683.55
	9/26/2011	703.07	23.88	NM	679.19
	3/1/2012		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-33B	11/23/2009	704.53	22.80	69.75	681.73
	12/9/2009	704.53	24.26	NM	680.27
	3/14/2010	704.53	13.60	69.28	690.93
	6/15/2010	704.53	18.34	69.28	686.19
	9/20/2010	704.53	12.98	69.28	691.55
	12/13/2010	704.53	12.72	69.28	691.81
	3/7/2011	704.53	11.72	NM	692.81
	6/21/2011	704.53	11.64	NM	692.89
	9/26/2011	704.53	12.51	NM	692.02
	3/1/2012		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-33C	11/23/2009	704.68	19.86	34.63	684.82
	12/9/2009	704.68	19.23	NM	685.45
	3/14/2010	704.68	19.22	31.12	685.46
	6/15/2010	704.68	18.26	31.12	686.42
	9/20/2010	704.68	19.50	31.12	685.18
	12/13/2010	704.68	18.25	31.12	686.43
	3/7/2011	704.68	16.72	NM	687.96
	6/21/2011	704.68	17.78	NM	686.90
	9/26/2011	704.68	18.21	NM	686.47
	3/1/2012		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-34A	11/23/2009	688.01	6.01	29.83	682.00
	12/9/2009	688.01	5.26	NM	682.75
	1/13/2010	688.01	5.98	NM	682.03
	1/14/2010	688.01	6.06	NM	681.95
	6/15/2010	688.01	5.01	NM	683.00
	8/30/2010	688.01	7.15	NM	680.86
	9/20/2010	688.01	7.11	NM	680.90
	12/13/2010	688.01	5.93	NM	682.08
	2/18/2011	688.01	6.27	NM	681.74
	3/7/2011	688.01	4.49	NM	683.52
	6/21/2011	688.01	5.41	NM	682.60
	9/26/2011	688.01	6.15	NM	681.86
	12/12/2011	688.01	5.45	NM	682.56
	4/2/2012	688.01	6.12	NM	681.89
	7/9/2012	688.01	6.82	NM	681.19
	10/1/2012	688.01	6.04	NM	681.97
	7/13/2015	688.01	4.46	NM	683.55
	3/12/2018	688.01	6.91	NM	681.10
	12/17/2019	688.01	6.50	NM	681.51

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-35A	2/24/2010	706.06	10.02	29.24	696.04
	2/25/2010	706.06	10.02	29.00	696.04
	4/22/2010	706.06	16.08	NM	689.98
	6/15/2010	706.06	8.96	NM	697.10
	9/20/2010	706.06	17.74	NM	688.32
	12/13/2010	706.06	14.50	NM	691.56
	3/7/2011	706.06	8.76	NM	697.30
	6/21/2011	706.06	11.06	NM	695.00
	9/26/2011	706.06	10.49	NM	695.57
	12/12/2011	706.06	11.61	NM	694.45
	4/2/2012	706.06	13.27	NM	692.79
	7/9/2012	706.06	17.78	NM	688.28
	10/1/2012	706.06	17.33	NM	688.73
	7/13/2015	706.06	9.70	NM	696.36
	3/12/2018	706.06	16.71	NM	689.35

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-35B	2/24/2010	706.37	10.34	29.65	696.03
	2/25/2010	706.37	10.50	29.65	695.87
	4/22/2010	706.37	16.40	NM	689.97
	6/15/2010	706.37	9.30	NM	697.07
	9/20/2010	706.37	18.06	NM	688.31
	12/13/2010	706.37	15.25	NM	691.12
	3/7/2011	706.37	9.08	NM	697.29
	6/21/2011	706.37	11.39	NM	694.98
	9/26/2011	706.37	10.81	NM	695.56
	12/12/2011	706.37	10.93	NM	695.44
	4/2/2012	706.37	13.58	NM	692.79
	7/9/2012	706.37	18.09	NM	688.28
	10/1/2012	706.37	17.65	NM	688.72
	7/13/2015	706.37	10.03	NM	696.34
	3/12/2018	706.37	17.04	NM	689.33
	12/16/2019	706.37	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-35C	2/24/2010	706.38	43.64	48.24	662.74
	2/25/2010	706.38	42.46	47.60	663.92
	4/22/2010	706.38	33.99	NM	672.39
	4/23/2010	706.38	42.45	NM	663.93
	4/26/2010	706.38	41.87	NM	664.51
	4/27/2010	706.38	41.61	NM	664.77
	6/15/2010	706.38	29.44	NM	676.94
	9/20/2010	706.38	18.89	NM	687.49
	12/13/2010	706.38	16.96	NM	689.42
	3/7/2011	706.38	16.60	NM	689.78
	6/21/2011	706.38	17.06	NM	689.32
	9/26/2011	706.38	18.25	NM	688.13
	12/12/2011	706.38	15.19	NM	691.19
	4/2/2012	706.38	17.06	NM	689.32
	7/9/2012	706.38	19.37	NM	687.01
	10/1/2012	706.38	17.14	NM	689.24
	7/13/2015	706.38	16.55	NM	689.83
	3/12/2018	706.38	15.21	NM	691.17
	12/17/2019	706.38	15.16	NM	691.22

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-36A	2/24/2010	700.44	17.54	27.21	682.90
	2/25/2010	700.44	17.86	27.21	682.58
	4/22/2010	700.44	18.73	NM	681.71
	6/15/2010	700.44	16.68	NM	683.76
	9/20/2010	700.44	19.33	NM	681.11
	12/13/2010	700.44	18.56	NM	681.88
	3/7/2011	700.44	16.31	NM	684.13
	6/21/2011	700.44	18.45	NM	681.99
	9/26/2011	700.44	17.95	NM	682.49
	12/12/2011	700.44	18.34	NM	682.10
	4/2/2012	700.44	18.62	NM	681.82
	7/9/2012	700.44	19.19	NM	681.25
	10/1/2012	700.44	18.92	NM	681.52
	7/13/2015	700.44	10.70	NM	689.74
	3/12/2018	700.44	19.79	NM	680.65
	12/17/2019	700.44	16.95	NM	683.49

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-36B	2/24/2010	700.45	17.53	37.36	682.92
	2/25/2010	700.45	17.81	37.70	682.64
	4/22/2010	700.45	18.72	NM	681.73
	6/15/2010	700.45	16.67	NM	683.78
	9/20/2010	700.45	19.33	NM	681.12
	9/24/2010	700.45	19.31	NM	681.14
	10/1/2010	700.45	19.28	NM	681.17
	10/5/2010	700.45	19.28	NM	681.17
	10/12/2010	700.45	19.29	NM	681.16
	10/18/2010	700.45	19.24	NM	681.21
	10/29/2010	700.45	18.26	NM	682.19
	12/10/2010	700.45	18.98	NM	681.47
	12/13/2010	700.45	18.56	NM	681.89
	12/28/2010	700.45	19.00	NM	681.45
	1/3/2011	700.45	18.07	NM	682.38
	1/10/2011	700.45	18.95	NM	681.50
	1/17/2011	700.45	19.01	NM	681.44
	2/18/2011	700.45	18.89	NM	681.56
	2/22/2011	700.45	15.74	NM	684.71
	3/4/2011	700.45	17.64	NM	682.81
	3/7/2011	700.45	16.40	NM	684.05
	3/18/2011	700.45	18.23	NM	682.22
	3/28/2011	700.45	18.75	NM	681.70
	6/21/2011	700.45	18.31	NM	682.14
	9/26/2011	700.45	17.12	NM	683.33
	7/13/2015	700.45	14.30	NM	686.15
	3/12/2018	700.45	20.81	NM	679.64

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-36C	2/24/2010	700.85	53.26	63.30	647.59
	2/25/2010	700.85	53.94	64.00	646.91
	4/22/2010	700.85	42.61	NM	658.24
	4/23/2010	700.85	51.09	NM	649.76
	4/26/2010	700.85	50.22	NM	650.63
	4/27/2010	700.85	49.93	NM	650.92
	4/29/2010	700.85	49.48	NM	651.37
	5/11/2010	700.85	48.22	NM	652.63
	6/1/2010	700.85	44.88	NM	655.97
	6/9/2010	700.85	43.44	NM	657.41
	6/15/2010	700.85	43.98	NM	656.87
	6/24/2010	700.85	43.66	NM	657.19
	7/6/2010	700.85	39.65	NM	661.20
	7/13/2010	700.85	39.13	NM	661.72
	7/20/2010	700.85	38.62	NM	662.23
	8/3/2010	700.85	34.97	NM	665.88
	8/10/2010	700.85	35.45	NM	665.40
	8/17/2010	700.85	35.21	NM	665.64
	8/23/2010	700.85	33.53	NM	667.32
	8/30/2010	700.85	32.09	NM	668.76
	9/20/2010	700.85	31.05	NM	669.80
	9/24/2010	700.85	38.68	NM	662.17
	10/1/2010	700.85	37.66	NM	663.19
	10/5/2010	700.85	37.69	NM	663.16
	10/12/2010	700.85	36.74	NM	664.11
	10/18/2010	700.85	36.31	NM	664.54
	10/29/2010	700.85	34.40	NM	666.45
	12/10/2010	700.85	25.85	NM	675.00
	12/13/2010	700.85	28.03	NM	672.82
	12/28/2010	700.85	32.97	NM	667.88
	1/3/2011	700.85	32.72	NM	668.13
	1/10/2011	700.85	32.24	NM	668.61
	1/17/2011	700.85	31.77	NM	669.08
	2/18/2011	700.85	25.95	NM	674.90
	2/22/2011	700.85	25.33	NM	675.52
	3/4/2011	700.85	24.73	NM	676.12
	3/7/2011	700.85	25.49	NM	675.36
	3/18/2011	700.85	31.42	NM	669.43
	3/28/2011	700.85	32.35	NM	668.50
	6/21/2011	700.85	23.89	NM	676.96
	9/26/2011	700.85	23.21	NM	677.64
	7/13/2015	700.85	16.38	NM	684.47
	3/12/2018	700.85	16.58	NM	684.27

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-37A	2/24/2010	687.29	6.12	19.41	681.17
	2/25/2010	687.29	6.20	19.41	681.09
	4/22/2010	687.29	7.06	NM	680.23
	6/15/2010	687.29	5.81	NM	681.48
	9/20/2010	687.29	7.74	NM	679.55
	12/13/2010	687.29	7.00	NM	680.29
	3/7/2011	687.29	5.59	NM	681.70
	6/21/2011	687.29	6.69	NM	680.60
	9/26/2011	687.29	7.06	NM	680.23
	12/12/2011	687.29	6.50	NM	680.79
	4/2/2012	687.29	6.99	NM	680.30
	7/9/2012	687.29	7.61	NM	679.68
	10/1/2012	687.29	7.36	NM	679.93
	7/13/2015	687.29	5.46	NM	681.83
	3/12/2018	687.29	7.57	NM	679.72

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-37B	2/24/2010	687.23	2.96	34.84	684.27
	2/25/2010	687.23	3.09	34.71	684.14
	4/22/2010	687.23	4.25	NM	682.98
	6/15/2010	687.23	2.46	NM	684.77
	9/20/2010	687.23	5.59	NM	681.64
	12/13/2010	687.23	3.56	NM	683.67
	3/7/2011	687.23	2.39	NM	684.84
	6/21/2011	687.23	3.23	NM	684.00
	9/26/2011	687.23	3.16	NM	684.07
	12/12/2011	687.23	3.39	NM	683.84
	4/2/2012	687.23	3.81	NM	683.42
	7/9/2012	687.23	5.05	NM	682.18
	10/1/2012	687.23	4.09	NM	683.14
	7/13/2015	687.23	2.29	NM	684.94
	3/12/2018	687.23	5.38	NM	681.85

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-37C	9/12/2011	686.88	43.65	48.47	643.23
	9/26/2011	686.88	40.05	NM	646.83
	12/12/2011	686.88	8.91	NM	677.97
	4/2/2012	686.88	2.75	NM	684.13
	7/9/2012	686.88	4.54	NM	682.34
	10/1/2012	686.88	4.96	NM	681.92
	7/13/2015	686.88	3.68	NM	683.20
	3/12/2018	686.88	3.16	NM	683.72

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-38A	4/14/2010	700.99	17.20	34.80	683.79
	4/21/2010	700.99	17.52	NM	683.47
	4/29/2010	700.99	17.08	NM	683.91
	5/17/2010	700.99	16.91	NM	684.08
	6/15/2010	700.99	16.59	NM	684.40
	9/20/2010	700.99	18.18	NM	682.81
	12/13/2010	700.99	17.24	NM	683.75
	3/7/2011	700.99	16.47	NM	684.52
	6/21/2011	700.99	17.02	NM	683.97
	9/26/2011	700.99	16.93	NM	684.06
	12/12/2011	700.99	17.06	NM	683.93
	4/2/2012	700.99	17.29	NM	683.70
	7/9/2012	700.99	17.91	NM	683.08
	10/1/2012	700.99	17.45	NM	683.54
	7/13/2015	700.99	15.63	NM	685.36
	3/12/2018	700.99	17.56	NM	683.43
	12/17/2019	700.99	16.68	NM	684.31

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-38B	4/14/2010	700.55	16.78	34.83	683.77
	4/21/2010	700.55	17.10	NM	683.45
	4/29/2010	700.55	16.60	NM	683.95
	5/17/2010	700.55	16.48	NM	684.07
	6/15/2010	700.55	16.17	NM	684.38
	8/30/2010	700.55	17.65	NM	682.90
	9/20/2010	700.55	17.72	NM	682.83
	12/13/2010	700.55	16.80	NM	683.75
	2/18/2011	700.55	17.08	NM	683.47
	3/7/2011	700.55	16.04	NM	684.51
	6/21/2011	700.55	16.56	NM	683.99
	9/26/2011	700.55	16.48	NM	684.07
	12/12/2011	700.55	16.60	NM	683.95
	4/2/2012	700.55	16.84	NM	683.71
	7/9/2012	700.55	17.49	NM	683.06
	10/1/2012	700.55	17.01	NM	683.54
	7/13/2015	700.55	15.13	NM	685.42
	3/12/2018	700.55	17.12	NM	683.43

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-38C	4/14/2010	700.20	29.70	67.77	670.50
	4/21/2010	700.20	25.29	NM	674.91
	4/22/2010	700.20	49.28	NM	650.92
	4/23/2010	700.20	46.09	NM	654.11
	4/26/2010	700.20	38.02	NM	662.18
	4/27/2010	700.20	35.37	NM	664.83
	4/29/2010	700.20	31.46	NM	668.74
	5/17/2010	700.20	16.44	NM	683.76
	6/15/2010	700.20	6.16	NM	694.04
	9/20/2010	700.20	6.63	NM	693.57
	12/13/2010	700.20	6.94	NM	693.26
	3/7/2011	700.20	4.01	NM	696.19
	6/21/2011	700.20	2.63	NM	697.57
	9/26/2011	700.20	15.75	NM	684.45
	12/12/2011	700.20	6.28	NM	693.92
	4/2/2012	700.20	2.91	NM	697.29
	7/9/2012	700.20	3.23	NM	696.97
	10/1/2012	700.20	5.31	NM	694.89
	7/13/2015	700.20	2.51	NM	697.69
	3/12/2018	700.20	2.83	NM	697.37

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-38D	4/14/2010	700.37	43.77	50.16	656.60
	4/21/2010	700.37	45.38	NM	654.99
	4/22/2010	700.37	48.15	NM	652.22
	4/23/2010	700.37	47.64	NM	652.73
	4/26/2010	700.37	47.04	NM	653.33
	4/27/2010	700.37	46.75	NM	653.62
	4/29/2010	700.37	46.31	NM	654.06
	5/17/2010	700.37	42.34	NM	658.03
	6/15/2010	700.37	34.84	NM	665.53
	9/20/2010	700.37	20.02	NM	680.35
	12/13/2010	700.37	18.04	NM	682.33
	3/7/2011	700.37	17.17	NM	683.20
	6/21/2011	700.37	17.50	NM	682.87
	9/26/2011	700.37	18.00	NM	682.37
	12/12/2011	700.37	17.96	NM	682.41
	4/2/2012	700.37	16.95	NM	683.42
	7/9/2012	700.37	18.11	NM	682.26
	10/1/2012	700.37	18.41	NM	681.96
	7/13/2015	700.37	16.40	NM	683.97
	3/12/2018	700.37	15.71	NM	684.66

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-39A	4/14/2010	694.06	31.75	37.68	662.31
	4/19/2010	694.06	35.03	NM	659.03
	4/21/2010	694.06	35.03	NM	659.03
	4/22/2010	694.06	37.18	NM	656.88
	4/23/2010	694.06	36.73	NM	657.33
	4/26/2010	694.06	35.33	NM	658.73
	4/27/2010	694.06	34.69	NM	659.37
	5/11/2010	694.06	30.59	NM	663.47
	6/1/2010	694.06	28.78	NM	665.28
	6/9/2010	694.06	29.19	NM	664.87
	6/15/2010	694.06	30.47	NM	663.59
	6/24/2010	694.06	30.35	NM	663.71
	7/6/2010	694.06	28.22	NM	665.84
	7/13/2010	694.06	27.29	NM	666.77
	7/20/2010	694.06	25.73	NM	668.33
	8/3/2010	694.06	25.69	NM	668.37
	8/10/2010	694.06	24.07	NM	669.99
	8/17/2010	694.06	26.81	NM	667.25
	8/23/2010	694.06	23.25	NM	670.81
	9/20/2010	694.06	21.30	NM	672.76
	10/1/2010	694.06	23.13	NM	670.93
	10/5/2010	694.06	25.35	NM	668.71
	10/12/2010	694.06	27.95	NM	666.11
	10/18/2010	694.06	28.04	NM	666.02
	10/29/2010	694.06	27.95	NM	666.11
	12/13/2010	694.06	15.27	NM	678.79
	12/28/2010	694.06	15.95	NM	678.11
	1/17/2011	694.06	9.50	NM	684.56
	3/7/2011	694.06	9.30	NM	684.76
	3/18/2011	694.06	13.75	NM	680.31
	6/21/2011	694.06	10.90	NM	683.16
	9/26/2011	694.06	19.17	NM	674.89
	7/13/2015	694.06	5.94	NM	688.12
	3/12/2018	694.06	6.18	NM	687.88

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-39B	4/14/2010	693.96	10.14	28.77	683.82
	4/21/2010	693.96	10.46	NM	683.50
	6/15/2010	693.96	9.62	NM	684.34
	9/20/2010	693.96	11.00	NM	682.96
	12/13/2010	693.96	10.21	NM	683.75
	3/7/2011	693.96	9.50	NM	684.46
	6/21/2011	693.96	9.98	NM	683.98
	9/26/2011	693.96	9.90	NM	684.06
	12/12/2011	693.96	9.97	NM	683.99
	4/2/2012	693.96	10.21	NM	683.75
	7/9/2012	693.96	10.77	NM	683.19
	10/1/2012	693.96	10.32	NM	683.64
	7/13/2015	696.96	9.07	NM	687.89
	3/14/2018	696.96	10.53	NM	686.43

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-40A	4/14/2010	694.36	3.78	48.30	690.58
	4/21/2010	694.36	4.12	NM	690.24
	6/15/2010	694.36	3.75	NM	690.61
	9/20/2010	694.36	1.36	NM	693.00
	12/13/2010	694.36	0.00	NM	694.36
	2/18/2011	694.36	2.02	NM	692.34
	3/7/2011	694.36	2.09	NM	692.27
	6/21/2011	694.36	3.32	NM	691.04
	9/26/2011	694.36	0.03	NM	694.33
	12/12/2011	694.36	0.00	NM	694.36
	4/2/2012	694.36	3.20	NM	691.16
	7/9/2012	694.36	3.49	NM	690.87
	10/1/2012	694.36	0.00	NM	694.36
	7/13/2015	694.36	2.41	NM	691.95
	3/12/2018	694.36	0.00	NM	694.36
	12/16/2019	694.36	1.09	NM	693.27

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-40B	4/14/2010	694.77	4.00	29.12	690.77
	4/21/2010	694.77	4.93	NM	689.84
	6/15/2010	694.77	3.70	NM	691.07
	9/20/2010	694.77	7.63	NM	687.14
	12/13/2010	694.77	4.75	NM	690.02
	2/18/2011	694.77	4.95	NM	689.82
	3/7/2011	694.77	3.55	NM	691.22
	6/21/2011	694.77	4.33	NM	690.44
	9/26/2011	694.77	5.64	NM	689.13
	12/12/2011	694.77	4.36	NM	690.41
	4/2/2012	694.77	4.18	NM	690.59
	7/9/2012	694.77	7.05	NM	687.72
	10/1/2012	694.77	4.78	NM	689.99
	7/13/2015	694.77	3.50	NM	691.27
	3/12/2018	694.77	3.84	NM	690.93

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-40C	4/14/2010	694.78	3.53	16.11	691.25
	4/22/2010	694.78	4.34	NM	690.44
	6/15/2010	694.78	3.02	NM	691.76
	8/30/2010	694.78	7.14	NM	687.64
	9/20/2010	694.78	7.40	NM	687.38
	12/13/2010	694.78	4.15	NM	690.63
	12/18/2011	694.78	4.36	NM	690.42
	3/7/2011	694.78	3.05	NM	691.73
	6/21/2011	694.78	3.76	NM	691.02
	9/26/2011	694.78	5.59	NM	689.19
	12/12/2011	694.78	4.06	NM	690.72
	4/2/2012	694.78	3.46	NM	691.32
	7/9/2012	694.78	7.27	NM	687.51
	10/1/2012	694.78	3.26	NM	691.52
	7/13/2015	694.78	2.92	NM	691.86
	3/12/2018	694.78	3.40	NM	691.38
	12/16/2019	694.78	3.88	NM	690.90

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-41A	12/13/2010	702.57	18.57	36.04	684.00
	3/7/2011	702.57	17.83	NM	684.74
	6/21/2011	702.57	18.51	NM	684.06
	9/26/2011	702.57	18.25	NM	684.32
	12/12/2011	702.57	18.44	NM	684.13
	4/2/2012	702.57	18.77	NM	683.80
	7/9/2012	702.57	19.32	NM	683.25
	10/1/2012	702.57	18.85	NM	683.72
	7/13/2015	702.57	14.70	NM	687.87
	3/16/2018	702.57	19.21	NM	683.36

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-42A	12/13/2010	696.11	26.68	35.44	669.43
	3/7/2011	696.11	12.66	NM	683.45
	6/21/2011	696.11	13.61	NM	682.50
	9/26/2011	696.11	10.80	NM	685.31
	12/12/2011	696.11	10.20	NM	685.91
	4/2/2012	696.11	11.05	NM	685.06
	7/9/2012	696.11	11.35	NM	684.76
	10/1/2012	696.11	6.51	NM	689.60
	7/13/2015	696.11	17.80	NM	678.31
	3/12/2018	696.11	10.15	NM	685.96

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-42B	12/13/2010	696.06	36.76	45.41	659.30
	3/7/2011	696.06	22.21	NM	673.85
	6/21/2011	696.06	14.92	NM	681.14
	9/26/2011	696.06	16.16	NM	679.90
	12/12/2011	696.06	15.86	NM	680.20
	4/2/2012	696.06	12.97	NM	683.09
	7/9/2012	696.06	14.74	NM	681.32
	10/1/2012	696.06	1.73	NM	694.33
	7/13/2015	696.06	14.28	NM	681.78
	3/12/2018	696.06	7.33	NM	688.73

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-43A	12/13/2010	690.93	7.13	28.87	683.80
	3/7/2011	690.93	5.89	NM	685.04
	6/21/2011	690.93	6.78	NM	684.15
	9/26/2011	690.93	6.75	NM	684.18
	12/12/2011	690.93	6.93	NM	684.00
	4/2/2012	690.93	7.35	NM	683.58
	7/9/2012	690.93	8.65	NM	682.28
	10/1/2012	690.93	7.64	NM	683.29
	7/13/2015	690.93	5.57	NM	685.36
	3/12/2018	690.93	8.52	NM	682.41

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-44A	12/13/2010	704.46	10.16	27.92	694.30
	3/7/2011	704.46	5.77	NM	698.69
	6/21/2011	704.46	7.58	NM	696.88
	9/26/2011	704.46	9.29	NM	695.17
	12/12/2011	704.46	7.27	NM	697.19
	4/2/2012	704.46	10.70	NM	693.76
	7/9/2012	704.46	12.56	NM	691.90
	10/1/2012	704.46	11.06	NM	693.40
	7/13/2015	704.46	6.84	NM	697.62
	3/12/2018	704.46	12.04	NM	692.42

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-45A	12/13/2010	700.80	50.24	58.70	650.56
	3/7/2011	700.80	30.34	NM	670.46
	6/21/2011	700.80	20.83	NM	679.97
	9/26/2011	700.80	19.60	NM	681.20
	12/12/2011	700.80	18.23	NM	682.57
	4/2/2012	700.80	17.69	NM	683.11
	7/9/2012	700.80	18.82	NM	681.98
	10/1/2012	700.80	24.56	NM	676.24
	7/13/2015	700.80	14.70	NM	686.10
	3/12/2018	700.80	12.89	NM	687.91

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-45B	12/13/2010	700.76	33.58	42.66	667.18
	3/7/2011	700.76	27.19	NM	673.57
	6/21/2011	700.76	24.35	NM	676.41
	9/26/2011	700.76	22.26	NM	678.50
	12/12/2011	700.76	20.83	NM	679.93
	4/2/2012	700.76	22.11	NM	678.65
	7/9/2012	700.76	23.05	NM	677.71
	10/1/2012	700.76	22.42	NM	678.34
	7/13/2015	700.76	17.80	NM	682.96
	3/12/2018	700.76	17.85	NM	682.91

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-45C	12/13/2010	700.59	18.10	24.17	682.49
	3/7/2011	700.59	15.15	NM	685.44
	6/21/2011	700.59	17.95	NM	682.64
	9/26/2011	700.59	17.64	NM	682.95
	12/12/2011	700.59	17.85	NM	682.74
	4/2/2012	700.59	18.32	NM	682.27
	7/9/2012	700.59	19.05	NM	681.54
	10/1/2012	700.59	18.71	NM	681.88
	7/13/2015	700.59	14.28	NM	686.31
	3/12/2018	700.59	19.48	NM	681.11
	12/17/2019	700.59	16.89	NM	683.70

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-46A	12/13/2010	688.81	5.25	38.06	683.56
	3/7/2011	688.81	4.83	NM	683.98
	6/21/2011	688.81	4.90	NM	683.91
	9/26/2011	688.81	4.85	NM	683.96
	12/12/2011	688.81	5.04	NM	683.77
	4/2/2012	688.81	5.48	NM	683.33
	7/9/2012	688.81	6.72	NM	682.09
	10/1/2012	688.81	5.75	NM	683.06
	7/13/2015	688.81	3.88	NM	684.93
	3/12/2018	688.81	7.11	NM	681.70
	1/7/2020	688.81	6.00	NM	682.81

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-47A	12/13/2010	683.38	4.60	32.60	678.78
	3/7/2011	683.38	4.32	NM	679.06
	6/21/2011	683.38	4.59	NM	678.79
	9/26/2011	683.38	4.57	NM	678.81
	12/12/2011	683.38	4.24	NM	679.14
	4/2/2012	683.38	4.64	NM	678.74
	7/9/2012	683.38	6.00	NM	677.38
	10/1/2012	683.38	4.76	NM	678.62
	7/13/2015	683.38	4.01	NM	679.37
	3/28/2018	683.38	4.95	NM	678.43
	12/17/2019	683.38	5.90	NM	677.48

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-48A	1/11/2011	708.53	47.75	71.38	660.78
	6/21/2011	708.53	40.28	NM	668.25
	9/26/2011	708.53	32.06	NM	676.47
	7/13/2015	708.53	22.26	NM	686.27
	3/12/2018	708.53	24.36	NM	684.17

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-48B	1/11/2011	708.52	28.50	52.37	680.02
	6/21/2011	708.52	25.36	NM	683.16
	9/26/2011	708.52	25.13	NM	683.39
	12/12/2011	708.52	25.53	NM	682.99
	4/2/2012	708.52	25.44	NM	683.08
	7/9/2012	708.52	26.17	NM	682.35
	10/1/2012	708.52	26.48	NM	682.04
	7/13/2015	708.52	22.15	NM	686.37
	3/12/2018	708.52	26.82	NM	681.70

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-49A	8/16/2011	707.93	52.60	64.34	655.33
	9/26/2011	707.93	32.45	NM	675.48
	12/12/2011	707.93	12.69	NM	695.24
	4/2/2012	707.93	11.18	NM	696.75
	7/9/2012	707.93	12.74	NM	695.19
	10/1/2012	707.93	12.07	NM	695.86
	7/13/2015	707.93	12.68	NM	695.25
	6/13/2017	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-49B	8/16/2011	707.90	13.53	37.47	694.37
	9/26/2011	707.90	11.86	NM	696.04
	12/12/2011	707.90	9.30	NM	698.60
	4/2/2012	707.90	10.60	NM	697.30
	7/9/2012	707.90	12.96	NM	694.94
	10/1/2012	707.90	11.45	NM	696.45
	7/13/2015	707.90	9.20	NM	698.70
	6/13/2017		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-49C	8/16/2011	708.01	18.37	24.59	689.64
	9/26/2011	708.01	15.35	NM	692.66
	12/12/2011	708.01	9.71	NM	698.30
	4/2/2012	708.01	10.82	NM	697.19
	7/9/2012	708.01	13.10	NM	694.91
	10/1/2012	708.01	12.13	NM	695.88
	9/13/2013		Well Decommissioned		

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-50A	8/17/2011	697.53	63.90	71.45	633.63
	9/26/2011	697.53	47.55	NM	649.98
	12/12/2011	697.53	22.31	NM	675.22
	4/2/2012	697.53	5.09	NM	692.44
	7/9/2012	697.53	16.49	NM	681.04
	10/1/2012	697.53	18.89	NM	678.64
	7/13/2015	697.53	11.91	NM	685.62
	3/12/2018	697.53	12.47	NM	685.06

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-50B	8/17/2011	697.54	13.96	NM	683.58
	9/26/2011	697.54	13.07	NM	684.47
	12/12/2011	697.54	12.95	NM	684.59
	4/2/2012	697.54	13.37	NM	684.17
	7/9/2012	697.54	14.03	NM	683.51
	10/1/2012	697.54	13.45	NM	684.09
	7/13/2015	697.54	10.84	NM	686.70
	3/12/2018	697.54	14.22	NM	683.32
	12/17/2019	697.54	13.49	NM	684.05

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-51A	8/17/2011	694.59	14.94	NM	679.65
	9/26/2011	694.59	9.56	NM	685.03
	7/13/2015	694.59	8.28	NM	686.31
	3/12/2018	694.59	11.70	NM	682.89

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-51B	8/17/2011	694.66	13.86	31.30	680.80
	9/26/2011	694.66	12.93	NM	681.73
	12/12/2011	694.66	12.17	NM	682.49
	4/2/2012	694.66	12.85	NM	681.81
	7/9/2012	694.66	13.53	NM	681.13
	10/1/2012	694.66	12.75	NM	681.91
	7/13/2015	694.66	10.98	NM	683.68
	3/12/2018	694.66	13.66	NM	681.00

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-52A	8/17/2011	709.63	27.34	47.27	682.29
	9/26/2011	709.63	NM	NM	NA
	12/12/2011	709.63	25.65	NM	683.98
	4/2/2012	709.63	26.03	NM	683.60
	7/9/2012	709.63	27.39	NM	682.24
	10/1/2012	709.63	26.37	NM	683.26
	7/13/2015	709.63	24.56	NM	685.07
	3/12/2018	709.63	27.46	NM	682.17

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-53A	9/12/2011	725.77	79.49	98.64	646.28
	9/26/2011	725.77	80.33	NM	645.44
	12/12/2011	725.77	53.91	NM	671.86
	4/2/2012	725.77	42.80	NM	682.97
	7/9/2012	725.77	40.75	NM	685.02
	10/1/2012	725.77	45.60	NM	680.17
	7/13/2015	725.77	31.35	NM	694.42
	3/15/2018	725.77	34.14	NM	691.63

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-53B	9/12/2011	725.76	61.52	76.63	664.24
	9/26/2011	725.76	61.81	NM	663.95
	12/12/2011	725.76	55.06	NM	670.70
	4/2/2012	725.76	60.81	NM	664.95
	7/9/2012	725.76	59.91	NM	665.85
	10/1/2012	725.76	61.63	NM	664.13
	7/13/2015	725.76	51.33	NM	674.43
	3/15/2018	725.76	39.45	NM	686.31

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-54A	5/2/2012	687.77	35.83	45.06	651.94
	7/13/2015	687.77	2.63	NM	685.14
	3/12/2018	687.77	4.39	NM	683.38

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-54B	5/2/2012	687.78	3.58	27.36	684.20
	7/9/2012	687.78	5.42	NM	682.36
	10/1/2012	687.78	4.50	NM	683.28
	7/13/2015	687.78	2.48	NM	685.30
	3/12/2018	687.78	5.35	NM	682.43

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-55A	5/2/2012	689.69	31.52	41.00	658.17
	7/9/2012	689.69	7.98	NM	681.71
	10/1/2012	689.69	5.44	NM	684.25
	7/13/2015	689.69	3.60	NM	686.09
	3/12/2018	689.69	5.17	NM	684.52

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-55B	5/2/2012	689.66	5.96	25.25	683.70
	7/9/2012	689.66	9.47	NM	680.19
	10/1/2012	689.66	6.41	NM	683.25
	7/13/2015	689.66	6.72	NM	682.94
	3/12/2018	689.66	7.24	NM	682.42

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-56A	5/2/2012	686.53	26.14	52.20	660.39
	7/9/2012	686.53	5.90	NM	680.63
	10/1/2012	686.53	5.01	NM	681.52
	7/13/2015	686.53	3.75	NM	682.78
	3/12/2018	686.53	4.33	NM	682.20

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW-56B	5/2/2012	686.58	3.10	36.36	683.48
	7/9/2012	686.58	5.94	NM	680.64
	10/1/2012	686.58	3.69	NM	682.89
	7/13/2015	686.58	1.76	NM	684.82
	3/12/2018	686.58	5.25	NM	681.33

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Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
OW-1	11/17/1994	695.39	2.90	9.81	692.49
	11/14/1995	695.39	2.84	9.81	692.55
	4/30/1996	695.39	NM	9.81	NM
	5/18/2000	695.39	3.34	9.81	692.05
	8/14/2000	695.39	2.80	9.81	692.59
	11/13/2000	695.39	2.85	9.81	692.54
	2/1/2001	695.39	2.81	9.81	692.58
	6/21/2001	695.39	4.30	9.81	691.09
	12/11/2001	695.39	2.98	9.81	692.41
	8/11/2003	695.39	4.92	9.81	690.47
	10/29/2003	695.39	3.21	9.81	692.18
	2/18/2004	695.39	2.86	9.81	692.53
	9/9/2004	695.39	4.75	9.81	690.64
	7/31/2006	695.39	6.13	9.81	689.26
	7/24/2007	695.39	5.42	9.81	689.97
	11/30/2007	695.39	4.33	NM	691.06
	6/8/2008	695.39	2.61	NM	692.78
	9/9/2008	695.39	7.58	NM	687.81
	11/17/2008	695.39	5.51	NM	689.88
	2/5/2009	695.39	3.72	NM	691.67
	12/9/2009	695.39	3.04	NM	692.35
	6/15/2010	695.39	2.53	NM	692.86
	9/20/2010	695.39	9.07	NM	686.32
	3/7/2011	695.39	2.69	NM	692.70
	6/21/2011	695.39	2.72	NM	692.67
	9/26/2011	695.39	5.55	NM	689.84
	11/1/2011	695.39	3.55	9.68	691.84
	12/12/2011	695.39	2.90	NM	692.49
	4/2/2012	695.39	3.26	NM	692.13
	7/9/2012	695.39	8.56	NM	686.83
	10/1/2012	695.39	4.48	NM	690.91
	7/13/2015	695.39	2.52	NM	692.87
	3/22/2018	695.39	3.40	NM	691.99

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
OW-2	11/17/1994	695.03	3.12	7.20	691.91
	11/14/1995	695.03	3.23	7.20	691.80
	4/30/1996	695.03	NM	7.20	NM
	5/18/2000	695.03	3.27	7.20	691.76
	8/14/2000	695.03	3.10	7.20	691.93
	11/13/2000	695.03	3.02	7.20	692.01
	2/1/2001	695.03	3.13	7.20	691.90
	6/21/2001	695.03	3.49	7.20	691.54
	12/11/2001	695.03	3.10	7.20	691.93
	8/11/2003	695.03	4.02	7.20	691.01
	10/29/2003	695.03	3.16	7.20	691.87
	2/18/2004	695.03	3.18	7.20	691.85
	9/9/2004	695.03	4.00	7.20	691.03
	7/31/2006	695.03	5.65	7.20	689.38
	7/24/2007	695.03	4.65	10.20	690.38
	11/30/2007	695.03	3.87	NM	691.16
	6/8/2008	695.03	3.07	NM	691.96
	9/9/2008	695.03	7.28	NM	687.75
	11/17/2008	695.03	3.68	NM	691.35
	2/5/2009	695.03	10.20	NM	684.83
	12/9/2009	695.03	3.13	NM	691.90
	6/15/2010	695.03	3.04	NM	691.99
	9/20/2010	695.03	8.35	NM	686.68
	3/7/2011	695.03	3.14	NM	691.89
	6/21/2011	695.03	3.14	NM	691.89
	9/26/2011	695.03	3.73	NM	691.30
	11/1/2011	695.03	3.48	10.15	691.55
	12/12/2011	695.03	3.19	NM	691.84
	4/2/2012	695.03	3.23	NM	691.80
	7/9/2012	695.03	7.97	NM	687.06
	10/1/2012	695.03	3.43	NM	691.60
	7/13/2015	695.03	3.06	NM	691.97
	3/12/2018	695.03	3.23	NM	691.80

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
OW-3	11/17/1994	694.72	2.75	8.90	691.97
	11/14/1995	694.72	2.83	8.90	691.89
	4/30/1996	694.72	NM	8.90	NM
	5/18/2000	694.72	2.84	8.90	691.88
	8/14/2000	694.72	2.93	8.90	691.79
	11/13/2000	694.72	2.83	8.90	691.89
	2/1/2001	694.72	2.72	8.90	692.00
	6/21/2001	694.72	3.25	8.90	691.47
	12/11/2001	694.72	2.74	8.90	691.98
	8/11/2003	694.72	3.60	8.90	691.12
	10/29/2003	694.72	2.75	8.90	691.97
	2/18/2004	694.72	3.60	8.90	691.12
	9/9/2004	694.72	3.57	8.90	691.15
	7/31/2006	694.72	5.24	8.90	689.48
	7/24/2007	694.72	4.16	9.95	690.56
	11/30/2007	694.72	3.32	9.95	691.40
	6/8/2008	694.72	2.73	9.95	691.99
	9/9/2008	694.72	6.85	9.95	687.87
	11/17/2008	694.72	3.07	9.95	691.65
	2/5/2009	694.72	9.95	NM	684.77
	12/9/2009	694.72	2.73	NM	691.99
	6/15/2010	694.72	2.68	NM	692.04
	9/20/2010	694.72	7.85	NM	686.87
	3/7/2011	694.72	2.76	NM	691.96
	6/21/2011	694.72	2.75	NM	691.97
	9/26/2011	694.72	4.06	NM	690.66
	11/1/2011	694.72	3.22	8.80	691.50
	12/12/2011	694.72	2.92	NM	691.80
	4/2/2012	694.72	2.87	NM	691.85
	7/9/2012	694.72	7.55	NM	687.17
	10/1/2012	694.72	3.08	NM	691.64
	7/13/2015	694.72	2.67	NM	692.05
	3/12/2018	694.72	3.23	NM	691.49

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-1	11/14/1995	692.35	5.09	9.16	687.26
	4/30/1996	692.35	4.64	9.16	687.71
	5/18/2000	692.35	9.23	9.16	683.12
	8/14/2000	692.35	5.82	9.16	686.53
	11/13/2000	692.35	4.89	9.16	687.46
	2/1/2001	692.35	4.92	9.16	687.43
	6/21/2001	692.35	6.89	9.16	685.46
	12/11/2001	692.35	5.23	9.16	687.12
	8/11/2003	692.35	6.93	9.16	685.42
	10/29/2003	692.35	5.85	9.16	686.50
	2/18/2004	692.35	5.98	9.16	686.37
	9/9/2004	692.35	6.96	9.16	685.39
	7/31/2006	692.35	7.02	9.16	685.33
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-2	11/14/1995	692.98	5.50	8.50	687.48
	4/30/1996	692.98	4.87	8.50	688.11
	5/18/2000	692.98	6.18	8.50	686.80
	8/14/2000	692.98	6.13	8.50	686.85
	11/13/2000	692.98	5.10	8.50	687.88
	2/1/2001	692.98	4.92	8.50	688.06
	6/21/2001	692.98	6.44	8.50	686.54
	12/11/2001	692.98	5.45	8.50	687.53
	8/11/2003	692.98	6.50	8.50	686.48
	10/29/2003	692.98	5.70	8.50	687.28
	2/18/2004	692.98	5.51	8.50	687.47
	9/9/2004	692.98	6.57	8.50	686.41
	7/31/2006	692.98	6.43	8.50	686.55
	7/24/2007	692.98	6.39	8.40	686.59
	11/30/2007	692.98	5.99	NM	686.99
	6/8/2008	692.98	4.88	NM	688.10
	9/9/2008	692.98	6.73	NM	686.25
	11/17/2008	692.98	6.05	NM	686.93
	2/5/2009	692.98	6.16	NM	686.82
	3/3/2009	692.98	5.66	NM	687.32
	3/11/2009	692.98	5.78	NM	687.20
	3/17/2009	692.98	5.96	NM	687.02
	3/25/2009	692.98	5.10	NM	687.88
	3/31/2009	692.98	5.34	NM	687.64
	4/20/2009	692.98	5.36	NM	687.62
	4/29/2009	692.98	5.71	NM	687.27
	5/6/2009	692.98	5.73	NM	687.25
	5/11/2009	692.98	5.56	NM	687.42
	5/20/2009	692.98	5.33	NM	687.65
	5/27/2009	692.98	5.99	NM	686.99
	6/8/2009	692.98	6.35	NM	686.63
	6/15/2009	692.98	5.46	NM	687.52
	6/25/2009	692.98	4.88	NM	688.10
	6/30/2009	692.98	6.03	NM	686.95
	7/31/2009	692.98	6.81	NM	686.17
	8/13/2009	692.98	6.24	NM	686.74
	8/26/2009	692.98	6.60	NM	686.38
	10/2/2009	692.98	5.91	NM	687.07
	10/6/2009	692.98	6.12	NM	686.86
	12/9/2009	692.98	5.20	NM	687.78
	12/18/2009	692.98	5.25	NM	687.73
	1/26/2010	692.98	4.98	NM	688.00
	2/2/2010	692.98	5.85	NM	687.13
	3/1/2010	692.98	5.52	NM	687.46
	6/15/2010	692.98	3.42	NM	689.56
	9/20/2010	692.98	6.66	NM	686.32
	3/7/2011	692.98	3.83	NM	689.15
	6/21/2011	692.98	5.35	NM	687.63
	9/26/2011	692.98	5.89	NM	687.09
	11/1/2011	692.98	5.89	8.40	687.09
	12/12/2011	692.98	5.30	NM	687.68
	4/2/2012	692.98	5.86	NM	687.12
	7/9/2012	692.98	6.71	NM	686.27
	10/1/2012	692.98	6.13	NM	686.85

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
	7/13/2015	692.98	4.69	NM	688.29
	3/12/2018	692.98	3.75	NM	689.23

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-3	11/14/1995	694.04	6.30	8.65	687.74
	4/30/1996	694.04	4.22	8.65	689.82
	5/18/2000	694.04	6.69	8.65	687.35
	8/14/2000	694.04	6.64	8.65	687.40
	11/13/2000	694.04	6.19	8.65	687.85
	2/1/2001	694.04	5.66	8.65	688.38
	6/21/2001	694.04	7.04	8.65	687.00
	12/11/2001	694.04	6.32	8.65	687.72
	8/11/2003	694.04	7.25	8.65	686.79
	10/29/2003	694.04	6.24	8.65	687.80
	2/18/2004	694.04	6.12	8.65	687.92
	9/9/2004	694.04	7.33	8.65	686.71
	7/31/2006	694.04	7.32	8.65	686.72
	7/24/2007	694.04	7.28	8.65	686.76
	11/30/2007	694.04	6.31	NM	687.73
	6/8/2008	694.04	5.92	NM	688.12
	9/9/2008	694.04	7.78	NM	686.26
	11/17/2008	694.04	7.74	NM	686.30
	2/5/2009	694.04	6.44	NM	687.60
	2/25/2009	694.04	6.13	NM	687.91
	3/3/2009	694.04	6.06	NM	687.98
	3/11/2009	694.04	6.19	NM	687.85
	3/17/2009	694.04	6.34	NM	687.70
	3/25/2009	694.04	5.89	NM	688.15
	3/31/2009	694.04	5.94	NM	688.10
	4/20/2009	694.04	5.91	NM	688.13
	4/29/2009	694.04	6.18	NM	687.86
	5/6/2009	694.04	6.26	NM	687.78
	5/11/2009	694.04	6.48	NM	687.56
	5/20/2009	694.04	6.09	NM	687.95
	5/27/2009	694.04	6.46	NM	687.58
	6/8/2009	694.04	6.83	NM	687.21
	6/15/2009	694.04	6.29	NM	687.75
	6/25/2009	694.04	5.92	NM	688.12
	6/30/2009	694.04	6.82	NM	687.22
	7/31/2009	694.04	6.71	NM	687.33
	8/13/2009	694.04	6.74	NM	687.30
	8/26/2009	694.04	7.43	NM	686.61
	10/2/2009	694.04	6.07	NM	687.97
	10/6/2009	694.04	6.55	NM	687.49
	12/9/2009	694.04	5.75	NM	688.29
	12/18/2009	694.04	5.78	NM	688.26
	1/26/2010	694.04	5.44	NM	688.60
	2/3/2010	694.04	6.14	NM	687.90
	3/1/2010	694.04	5.99	NM	688.05
	6/15/2010	694.04	4.82	NM	689.22
	9/20/2010	694.04	8.00	NM	686.04
	3/7/2011	694.04	4.48	NM	689.56
	6/21/2011	694.04	6.08	NM	687.96
	9/26/2011	694.04	7.09	NM	686.95
	11/1/2011	694.04	6.18	8.50	687.86
	12/9/2011	Well Decommissioned			

ARCADIS Design & Consultancy for natural and built assets

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-4	11/14/1995	695.06	6.54	8.65	688.52
	4/30/1996	695.06	3.75	8.65	691.31
	5/18/2000	695.06	7.12	8.65	687.94
	8/4/2000	695.06	7.35	8.65	687.71
	11/13/2000	695.06	6.05	8.65	689.01
	2/1/2001	695.06	5.59	8.65	689.47
	6/21/2001	695.06	7.31	8.65	687.75
	12/11/2001	695.06	6.55	8.65	688.51
	8/11/2003	695.06	7.80	8.65	687.26
	10/29/2003	695.06	6.11	8.65	688.95
	2/18/2004	695.06	6.85	8.65	688.21
	9/9/2004	695.06	6.69	8.65	688.37
	7/31/2006	695.06	7.76	8.65	687.30
	7/24/2007	695.06	8.32	6.00	686.74
	11/30/2007	695.06	6.00	NM	689.06
	6/8/2008	695.06	5.67	NM	689.39
	9/9/2008	695.06	7.40	NM	687.66
	11/17/2008	695.06	6.85	NM	688.21
	2/5/2009	695.06	7.11	NM	687.95
	12/9/2009	695.06	6.29	NM	688.77
	6/15/2010	695.06	5.43	NM	689.63
	8/30/2010	695.06	7.34	NM	687.72
	9/20/2010	695.06	6.98	NM	688.08
	2/18/2011	695.06	6.74	NM	688.32
	3/7/2011	695.06	4.96	NM	690.10
	6/21/2011	695.06	6.55	NM	688.51
	9/26/2011	695.06	7.77	NM	687.29
	11/1/2011	695.06	5.96	8.51	689.10
	12/12/2011	695.06	6.07	NM	688.99
	4/2/2012	695.06	6.60	NM	688.46
	7/9/2012	695.06	7.23	NM	687.83
	10/1/2012	695.06	6.48	NM	688.58
	7/13/2015	695.06	4.04	NM	691.02
	3/12/2018	695.06	6.71	NM	688.35
	12/16/2019	695.06	NM	NM	NM

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-5	11/14/1995	696.81	7.25	8.90	689.56
	4/30/1996	696.81	5.53	8.90	691.28
	5/18/2000	696.81	7.52	8.90	689.29
	8/4/2000	696.81	7.62	8.90	689.19
	11/13/2000	696.81	6.46	8.90	690.35
	2/1/2001	696.81	6.04	8.90	690.77
	6/21/2001	696.81	7.78	8.90	689.03
	12/11/2001	696.81	6.95	8.90	689.86
	8/11/2003	696.81	8.05	8.90	688.76
	10/29/2003	696.81	6.97	8.90	689.84
	2/18/2004	696.81	7.08	8.90	689.73
	9/9/2004	696.81	8.07	8.90	688.74
	7/31/2006	696.81	8.25	8.90	688.56
	7/24/2007	696.81	8.29	9.80	688.52
	11/30/2007	696.81	7.11	NM	689.70
	6/8/2008	696.81	5.38	NM	691.43
	9/9/2008	696.81	8.35	NM	688.46
	11/17/2008	696.81	7.81	NM	689.00
	2/5/2009	696.81	7.56	NM	689.25
	12/9/2009	696.81	7.12	NM	689.69
	6/15/2010	696.81	6.67	NM	690.14
	3/7/2011	696.81	6.05	NM	690.76
	6/21/2011	696.81	7.23	NM	689.58
	9/26/2011	696.81	7.62	NM	689.19
	11/1/2011	696.81	7.23	9.49	689.58
	12/12/2011	696.81	6.94	NM	689.87
	4/2/2012	696.81	7.27	NM	689.54
	7/9/2012	696.81	Dry	9.49	NA
	10/1/2012	696.81	7.35	NM	689.46
	7/13/2015	696.81	5.18	NM	691.63
	3/12/2018	696.81	6.89	NM	689.92

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
MW- P-6	11/14/1995	693.33	7.58	9.80	685.75
	4/30/1996	693.33	6.92	9.80	686.41
	5/18/2000	693.33	7.58	9.80	685.75
	8/14/2000	693.33	7.63	9.80	685.70
	11/13/2000	693.33	7.05	9.80	686.28
	2/1/2001	693.33	5.56	9.80	687.77
	6/21/2001	693.33	7.64	9.80	685.69
	12/11/2001	693.33	7.45	9.80	685.88
	8/11/2003	693.33	7.61	9.80	685.72
	10/29/2003	693.33	7.05	9.80	686.28
	2/18/2004	693.33	7.22	9.80	686.11
	9/9/2004	693.33	6.96	9.80	686.37
	7/31/2006	693.33	7.02	9.16	686.31
	8/15/2006	Well Decommissioned			

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-1	12/28/2009	692.10	4.61	47.09	687.49
	1/6/2010	692.10	5.39	NM	686.71
	1/11/2010	692.10	5.48	NM	686.62
	1/18/2010	692.10	5.41	NM	686.69
	1/20/2010	692.10	5.23	NM	686.87
	1/25/2010	692.10	4.07	NM	688.03
	2/1/2010	692.10	5.33	NM	686.77
	2/22/2010	692.10	4.40	NM	687.70
	3/8/2010	692.10	5.24	NM	686.86
	3/11/2010	692.10	5.24	NM	686.86
	4/16/2010	692.10	5.23	NM	686.87
	4/26/2010	692.10	3.62	NM	688.48
	5/5/2010	692.10	4.56	NM	687.54
	5/11/2010	692.10	4.18	NM	687.92
	6/1/2010	692.10	5.12	NM	686.98
	6/9/2010	692.10	4.98	NM	687.12
	6/15/2010	692.10	3.77	NM	688.33
	6/24/2010	692.10	5.13	NM	686.97
	7/6/2010	692.10	5.74	NM	686.36
	7/13/2010	692.10	5.89	NM	686.21
	7/20/2010	692.10	5.34	NM	686.76
	8/3/2010	692.10	6.02	NM	686.08
	8/10/2010	692.10	6.17	NM	685.93
	8/17/2010	692.10	7.31	NM	684.79
	8/23/2010	692.10	6.08	NM	686.02
	8/30/2010	692.10	6.39	NM	685.71
	9/20/2010	692.10	6.44	NM	685.66
	9/24/2010	692.10	6.57	NM	685.53
	10/1/2010	692.10	6.80	NM	685.30
	10/5/2010	692.10	6.62	NM	685.48
	10/12/2010	692.10	6.87	NM	685.23
	10/18/2010	692.10	6.78	NM	685.32
	12/10/2010	692.10	5.55	NM	686.55
	12/13/2010	692.10	5.16	NM	686.94
	12/28/2010	692.10	5.50	NM	686.60
	1/3/2011	692.10	4.98	NM	687.12
	1/10/2011	692.10	5.52	NM	686.58
	1/17/2011	692.10	5.58	NM	686.52
	2/18/2011	692.10	5.38	NM	686.72
	2/22/2011	692.10	3.93	NM	688.17
	3/4/2011	692.10	4.41	NM	687.69
	3/7/2011	692.10	4.11	NM	687.99
	3/18/2011	692.10	4.97	NM	687.13
	3/28/2011	692.10	5.32	NM	686.78
	6/21/2011	692.10	4.84	NM	687.26
	9/26/2011	692.10	4.66	NM	687.44
	7/13/2015	692.10	4.20	NM	687.90
	3/12/2018	692.10	4.36	NM	687.74

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-2	12/28/2009	688.19	4.39	45.48	683.80
	1/6/2010	688.19	4.59	NM	683.60
	1/11/2010	688.19	4.68	NM	683.51
	1/18/2010	688.19	4.90	NM	683.29
	1/20/2010	688.19	4.55	NM	683.64
	1/25/2010	688.19	3.83	NM	684.36
	2/1/2010	688.19	4.46	NM	683.73
	2/2/2010	688.19	4.51	NM	683.68
	2/3/2010	688.19	4.50	NM	683.69
	2/4/2010	688.19	4.57	NM	683.62
	2/5/2010	688.19	4.43	NM	683.76
	2/22/2010	688.19	3.71	NM	684.48
	3/2/2010	688.19	4.10	NM	684.09
	3/4/2010	688.19	4.21	NM	683.98
	3/8/2010	688.19	5.02	NM	683.17
	3/11/2010	688.19	4.60	NM	683.59
	4/16/2010	688.19	4.45	NM	683.74
	4/26/2010	688.19	3.80	NM	684.39
	5/5/2010	688.19	4.15	NM	684.04
	6/1/2010	688.19	4.53	NM	683.66
	6/9/2010	688.19	4.31	NM	683.88
	6/15/2010	688.19	3.81	NM	684.38
	6/24/2010	688.19	4.44	NM	683.75
	7/6/2010	688.19	4.82	NM	683.37
	7/13/2010	688.19	4.97	NM	683.22
	7/20/2010	688.19	4.41	NM	683.78
	8/3/2010	688.19	5.02	NM	683.17
	8/10/2010	688.19	5.03	NM	683.16
	8/17/2010	688.19	5.27	NM	682.92
	8/23/2010	688.19	4.96	NM	683.23
	8/30/2010	688.19	5.09	NM	683.10
	9/20/2010	688.19	5.13	NM	683.06
	9/24/2010	688.19	5.20	NM	682.99
	10/1/2010	688.19	5.35	NM	682.84
	10/5/2010	688.19	5.28	NM	682.91
	10/12/2010	688.19	5.36	NM	682.83
	10/18/2010	688.19	5.36	NM	682.83
	12/10/2010	688.19	4.65	NM	683.54
	12/13/2010	688.19	4.34	NM	683.85
	12/28/2010	688.19	4.50	NM	683.69
	1/3/2011	688.19	4.05	NM	684.14
	1/10/2011	688.19	4.60	NM	683.59
	1/17/2011	688.19	4.69	NM	683.50
	2/18/2011	688.19	3.89	NM	684.30
	2/22/2011	688.19	3.55	NM	684.64
	3/4/2011	688.19	3.86	NM	684.33
	3/7/2011	688.19	3.64	NM	684.55
	3/18/2011	688.19	4.18	NM	684.01
	3/28/2011	688.19	3.85	NM	684.34
	6/21/2011	688.19	4.01	NM	684.18
	9/26/2011	688.19	4.04	NM	684.15
	7/13/2015	688.19	2.45	NM	685.74
	3/12/2018	688.19	3.79	NM	684.40

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-3	12/28/2009	688.83	4.79	44.82	684.04
	1/6/2010	688.83	4.99	NM	683.84
	1/11/2010	688.83	5.09	NM	683.74
	1/18/2010	688.83	4.78	NM	684.05
	1/20/2010	688.83	4.94	NM	683.89
	1/25/2010	688.83	4.22	NM	684.61
	2/1/2010	688.83	4.85	NM	683.98
	2/2/2010	688.83	4.91	NM	683.92
	2/3/2010	688.83	4.95	NM	683.88
	2/4/2010	688.83	4.97	NM	683.86
	2/5/2010	688.83	4.85	NM	683.98
	2/22/2010	688.83	4.45	NM	684.38
	3/2/2010	688.83	4.78	NM	684.05
	3/4/2010	688.83	5.01	NM	683.82
	3/8/2010	688.83	5.31	NM	683.52
	3/11/2010	688.83	4.98	NM	683.85
	4/16/2010	688.83	4.87	NM	683.96
	4/26/2010	688.83	4.16	NM	684.67
	5/5/2010	688.83	4.52	NM	684.31
	6/1/2010	688.83	4.88	NM	683.95
	6/9/2010	688.83	4.69	NM	684.14
	6/15/2010	688.83	4.17	NM	684.66
	6/24/2010	688.83	4.83	NM	684.00
	7/6/2010	688.83	5.22	NM	683.61
	7/13/2010	688.83	5.34	NM	683.49
	7/20/2010	688.83	4.87	NM	683.96
	8/3/2010	688.83	5.39	NM	683.44
	8/10/2010	688.83	5.42	NM	683.41
	8/17/2010	688.83	5.63	NM	683.20
	8/23/2010	688.83	5.35	NM	683.48
	8/30/2010	688.83	5.48	NM	683.35
	9/20/2010	688.83	5.52	NM	683.31
	9/24/2010	688.83	5.58	NM	683.25
	10/1/2010	688.83	5.77	NM	683.06
	10/5/2010	688.83	5.65	NM	683.18
	10/12/2010	688.83	5.74	NM	683.09
	10/18/2010	688.83	5.74	NM	683.09
	12/10/2010	688.83	4.95	NM	683.88
	12/13/2010	688.83	4.70	NM	684.13
	12/28/2010	688.83	4.88	NM	683.95
	1/3/2011	688.83	4.36	NM	684.47
	1/10/2011	688.83	4.83	NM	684.00
	1/17/2011	688.83	4.94	NM	683.89
	2/18/2011	688.83	4.84	NM	683.99
	2/22/2011	688.83	3.80	NM	685.03
	3/4/2011	688.83	4.08	NM	684.75
	3/7/2011	688.83	3.90	NM	684.93
	3/18/2011	688.83	4.50	NM	684.33
	3/28/2011	688.83	4.80	NM	684.03
	6/21/2011	688.83	4.39	NM	684.44
	9/26/2011	688.83	4.44	NM	684.39
	7/13/2015	688.83	3.70	NM	685.13
	3/12/2018	688.83	4.96	NM	683.87

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Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-4	12/4/2009	691.04	8.00	45.86	683.04
	12/7/2009	691.04	8.00	NM	683.04
	12/8/2009	691.04	8.00	NM	683.04
	12/9/2009	691.04	8.00	NM	683.04
	12/10/2009	691.04	8.00	NM	683.04
	12/11/2009	691.04	8.00	NM	683.04
	12/28/2009	691.04	7.28	NM	683.76
	12/29/2009	691.04	7.32	NM	683.72
	1/4/2010	691.04	7.54	NM	683.50
	1/5/2010	691.04	7.36	NM	683.68
	1/6/2010	691.04	7.48	NM	683.56
	1/7/2010	691.04	7.49	NM	683.55
	1/11/2010	691.04	7.56	NM	683.48
	1/18/2010	691.04	7.77	NM	683.27
	1/25/2010	691.04	6.64	NM	684.40
	2/1/2010	691.04	7.32	NM	683.72
	2/2/2010	691.04	7.47	NM	683.57
	2/4/2010	691.04	7.98	NM	683.06
	2/5/2010	691.04	7.36	NM	683.68
	2/22/2010	691.04	5.98	NM	685.06
	3/2/2010	691.04	7.33	NM	683.71
	3/4/2010	691.04	7.42	NM	683.62
	3/8/2010	691.04	7.51	NM	683.53
	3/11/2010	691.04	8.12	NM	682.92
	3/24/2010	691.04	7.09	NM	683.95
	4/15/2010	691.04	7.20	NM	683.84
	4/19/2010	691.04	7.51	NM	683.53
	4/26/2010	691.04	7.11	NM	683.93
	5/5/2010	691.04	6.96	NM	684.08
	6/1/2010	691.04	7.41	NM	683.63
	6/9/2010	691.04	7.26	NM	683.78
	6/15/2010	691.04	6.60	NM	684.44
	6/24/2010	691.04	7.30	NM	683.74
	7/6/2010	691.04	7.72	NM	683.32
	7/13/2010	691.04	7.86	NM	683.18

ARCADIS Design & Consultancy for natural and built assets

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-4	7/20/2010	691.04	7.35	NM	683.69
	7/22/2010	691.04	7.50	NM	683.54
	8/3/2010	691.04	7.92	NM	683.12
	8/10/2010	691.04	7.90	NM	683.14
	8/17/2010	691.04	8.24	NM	682.80
	8/23/2010	691.04	7.88	NM	683.16
	8/30/2010	691.04	8.01	NM	683.03
	9/20/2010	691.04	8.06	NM	682.98
	9/24/2010	691.04	8.13	NM	682.91
	10/1/2010	691.04	8.31	NM	682.73
	10/5/2010	691.04	8.20	NM	682.84
	10/12/2010	691.04	8.29	NM	682.75
	10/18/2010	691.04	8.28	NM	682.76
	10/29/2010	691.04	7.97	NM	683.07
	12/10/2010	691.04	7.60	NM	683.44
	12/13/2010	691.04	7.14	NM	683.90
	12/28/2010	691.04	7.35	NM	683.69
	1/3/2011	691.04	6.86	NM	684.18
	1/10/2011	691.04	7.46	NM	683.58
	1/17/2011	691.04	7.57	NM	683.47
	2/18/2011	691.04	7.40	NM	683.64
	2/22/2011	691.04	6.35	NM	684.69
	3/4/2011	691.04	6.65	NM	684.39
	3/7/2011	691.04	6.45	NM	684.59
	3/18/2011	691.04	6.97	NM	684.07
	3/28/2011	691.04	7.35	NM	683.69
	6/21/2011	691.04	6.82	NM	684.22
	9/26/2011	691.04	6.90	NM	684.14
	7/13/2015	691.04	5.45	NM	685.59
	3/12/2018	691.04	6.81	NM	684.23

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-5	12/28/2009	692.19	8.08	47.04	684.11
	1/6/2010	692.19	8.38	NM	683.81
	1/11/2010	692.19	8.45	NM	683.74
	1/18/2010	692.19	8.55	NM	683.64
	1/20/2010	692.19	8.42	NM	683.77
	1/25/2010	692.19	7.75	NM	684.44
	2/1/2010	692.19	8.17	NM	684.02
	2/22/2010	692.19	8.12	NM	684.07
	3/8/2010	692.19	8.14	NM	684.05
	3/11/2010	692.19	8.62	NM	683.57
	4/15/2010	692.19	8.10	NM	684.09
	4/16/2010	692.19	9.36	NM	682.83
	4/26/2010	692.19	7.80	NM	684.39
	5/5/2010	692.19	7.81	NM	684.38
	6/1/2010	692.19	8.08	NM	684.11
	6/9/2010	692.19	8.03	NM	684.16
	6/15/2010	692.19	7.30	NM	684.89
	6/24/2010	692.19	8.14	NM	684.05
	7/6/2010	692.19	8.62	NM	683.57
	7/13/2010	692.19	8.64	NM	683.55
	7/20/2010	692.19	8.62	NM	683.57
	7/22/2010	692.19	10.22	NM	681.97
	8/3/2010	692.19	8.75	NM	683.44
	8/10/2010	692.19	9.13	NM	683.06
	8/17/2010	692.19	9.31	NM	682.88
	8/23/2010	692.19	8.81	NM	683.38
	8/30/2010	692.19	8.86	NM	683.33
	9/20/2010	692.19	10.70	NM	681.49
	9/24/2010	692.19	9.26	NM	682.93
	10/1/2010	692.19	9.42	NM	682.77
	10/5/2010	692.19	10.00	NM	682.19
	10/12/2010	692.19	9.42	NM	682.77
	10/18/2010	692.19	9.50	NM	682.69
	10/29/2010	692.19	8.91	NM	683.28
	12/10/2010	692.19	9.45	NM	682.74
	12/13/2010	692.19	8.17	NM	684.02
	12/28/2010	692.19	8.21	NM	683.98
	1/3/2011	692.19	7.70	NM	684.49
	1/10/2011	692.19	8.31	NM	683.88
	1/17/2011	692.19	8.43	NM	683.76
	2/18/2011	692.19	8.29	NM	683.90
	2/22/2011	692.19	7.19	NM	685.00
	3/4/2011	692.19	7.64	NM	684.55
	3/7/2011	692.19	7.35	NM	684.84
	3/18/2011	692.19	7.92	NM	684.27
	3/28/2011	692.19	8.29	NM	683.90
	6/21/2011	692.19	7.93	NM	684.26
	9/26/2011	692.19	7.70	NM	684.49
	7/13/2015	692.19	6.49	NM	685.70
	3/12/2018	692.19	7.78	NM	684.41

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-6	4/15/2010	689.70	5.95	42.65	683.75
	4/16/2010	689.70	6.06	NM	683.64
	4/22/2010	689.70	6.20	NM	683.50
	4/26/2010	689.70	5.25	NM	684.45
	5/5/2010	689.70	5.64	NM	684.06
	6/1/2010	689.70	6.11	NM	683.59
	6/9/2010	689.70	5.98	NM	683.72
	6/15/2010	689.70	5.32	NM	684.38
	6/24/2010	689.70	5.99	NM	683.71
	7/6/2010	689.70	6.87	NM	682.83
	7/13/2010	689.70	7.01	NM	682.69
	7/20/2010	689.70	6.08	NM	683.62
	7/22/2010	689.70	6.21	NM	683.49
	8/3/2010	689.70	6.62	NM	683.08
	8/10/2010	689.70	6.67	NM	683.03
	8/17/2010	689.70	6.84	NM	682.86
	8/23/2010	689.70	6.58	NM	683.12
	8/30/2010	689.70	6.70	NM	683.00
	9/20/2010	689.70	6.78	NM	682.92
	9/24/2010	689.70	6.85	NM	682.85
	10/1/2010	689.70	7.05	NM	682.65
	10/5/2010	689.70	6.92	NM	682.78
	10/12/2010	689.70	7.05	NM	682.65
	10/18/2010	689.70	7.02	NM	682.68
	10/29/2010	689.70	6.68	NM	683.02
	12/10/2010	689.70	6.65	NM	683.05
	12/13/2010	689.70	5.87	NM	683.83
	12/28/2010	689.70	6.05	NM	683.65
	1/3/2011	689.70	5.58	NM	684.12
	1/10/2011	689.70	6.18	NM	683.52
	1/17/2011	689.70	6.24	NM	683.46
	2/18/2011	689.70	6.12	NM	683.58
	2/22/2011	689.70	5.07	NM	684.63
	3/4/2011	689.70	5.40	NM	684.30
	3/7/2011	689.70	5.14	NM	684.56
	3/18/2011	689.70	5.74	NM	683.96
	6/21/2011	689.70	5.48	NM	684.22
	9/26/2011	689.70	5.58	NM	684.12
	7/13/2015	689.70	4.78	NM	684.92
	3/12/2018	689.70	6.23	NM	683.47

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-7	12/10/2010	691.70	8.55	NM	683.15
	12/13/2010	691.70	9.19	NM	682.51
	12/28/2010	691.70	8.31	NM	683.39
	1/3/2011	691.70	7.84	NM	683.86
	1/10/2011	691.70	8.38	NM	683.32
	1/17/2011	691.70	8.60	NM	683.10
	3/4/2011	691.70	7.15	NM	684.55
	3/7/2011	691.70	6.75	NM	684.95
	3/18/2011	691.70	7.38	NM	684.32
	3/28/2011	691.70	7.39	NM	684.31
	6/21/2011	691.70	8.26	NM	683.44
	9/26/2011	691.70	8.85	NM	682.85
	7/13/2015	691.70	5.83	NM	685.87
	3/12/2018	691.70	8.28	NM	683.42

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-8	7/13/2015	687.98	4.25	NM	683.73
	3/12/2018	687.98	6.82	NM	681.16

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-9	7/13/2015	688.59	5.05	NM	683.54
	3/12/2018	688.59	7.70	NM	680.89

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-10	7/13/2015	689.86	4.82	NM	685.04
	3/12/2018	689.86	7.91	NM	681.95

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-11	7/13/2015	690.67	6.92	NM	683.75
	3/12/2018	690.67	9.41	NM	681.26

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-12	7/13/2015	688.92	4.08	NM	684.84
	3/12/2018	688.92	8.42	NM	680.50

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-13	7/13/2015	688.57	5.15	NM	683.42
	3/12/2018	688.57	7.74	NM	680.83

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-14	7/13/2015	688.29	5.82	NM	682.47
	3/12/2018	688.29	8.24	NM	680.05

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-15	7/13/2015	690.74	4.62	NM	686.12
	3/12/2018	690.74	8.45	NM	682.29

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-16	7/13/2015	689.42	4.45	NM	684.97
	3/12/2018	689.42	5.80	NM	683.62

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-17	7/13/2015	690.37	5.73	NM	684.64
	3/12/2018	690.37	7.20	NM	683.17

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-18	7/13/2015	687.23	2.07	NM	685.16
	3/12/2018	687.23	4.32	NM	682.91

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
RW-19	3/12/2018	NS	7.93	NM	NS

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Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
Sump	3/3/2009	693.15	4.44	NM	688.71
	3/11/2009	693.15	4.30	NM	688.85
	3/17/2009	693.15	4.94	NM	688.21
	3/25/2009	693.15	3.14	NM	690.01
	3/31/2009	693.15	3.82	NM	689.33
	4/20/2009	693.15	4.07	NM	689.08
	4/29/2009	693.15	4.76	NM	688.39
	5/6/2009	693.15	4.42	NM	688.73
	5/11/2009	693.15	4.64	NM	688.51
	5/20/2009	693.15	4.62	NM	688.53
	5/27/2009	693.15	5.36	NM	687.79
	6/8/2009	693.15	5.92	NM	687.23
	6/15/2009	693.15	4.51	NM	688.64
	6/25/2009	693.15	3.95	NM	689.20
	6/30/2009	693.15	5.16	NM	687.99
	7/31/2009	693.15	4.68	NM	688.47
	8/13/2009	693.15	5.62	NM	687.53
	8/26/2009	693.15	6.40	NM	686.75
	10/2/2009	693.15	5.10	NM	688.05
	10/6/2009	693.15	5.63	NM	687.52
	12/18/2009	693.15	4.68	NM	688.47
	1/26/2010	693.15	4.30	NM	688.85
	2/3/2010	693.15	5.91	NM	687.24
	3/1/2010	693.15	5.29	NM	687.86
	6/15/2010	693.15	2.34	NM	690.81
	8/30/2010	693.15	6.49	NM	686.66
	9/20/2010	693.15	6.49	NM	686.66
	2/18/2011	693.15	5.55	NM	687.60
	3/7/2011	693.15	3.48	NM	689.67
	6/21/2011	693.15	4.98	NM	688.17
	9/26/2011	693.15	4.67	NM	688.48
	12/12/2011	693.15	4.65	NM	688.50
	4/2/2012	693.15	4.95	NM	688.20
	7/9/2012	693.15	6.23	NM	686.92
	10/1/2012	693.15	6.10	NM	687.05
	3/12/2018	693.15	4.20	NM	688.95

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
Bridge (trail)	2/25/2009	702.51	17.74	NA	684.77
	3/3/2009	702.51	17.75	NA	684.76
	3/11/2009	702.51	17.92	NA	684.59
	3/17/2009	702.51	18.10	NA	684.41
	3/25/2009	702.51	17.25	NA	685.26
	3/31/2009	702.51	17.68	NA	684.83
	4/20/2009	702.51	17.79	NA	684.72
	4/29/2009	702.51	17.87	NA	684.64
	5/6/2009	702.51	17.90	NA	684.61
	5/11/2009	702.51	17.89	NA	684.62
	5/20/2009	702.51	17.85	NA	684.66
	5/27/2009	702.51	17.99	NA	684.52
	6/8/2009	702.51	18.10	NA	684.41
	6/15/2009	702.51	17.95	NA	684.56
	6/25/2009	702.51	17.68	NA	684.83
	6/30/2009	702.51	18.07	NA	684.44
	8/13/2009	702.51	17.81	NA	684.70
	8/26/2009	702.51	18.18	NA	684.33
	10/2/2009	702.51	17.80	NA	684.71
	10/6/2009	702.51	17.54	NA	684.97
	12/18/2009	702.51	17.77	NA	684.74
	1/26/2010	702.51	17.58	NA	684.93
	2/3/2010	702.51	17.73	NA	684.78
	3/1/2010	702.51	17.69	NA	684.82
	6/9/2010	702.51	17.87	NA	684.64
	6/15/2010	702.51	17.77	NA	684.74
	8/30/2010	702.51	18.25	NA	684.26
	9/20/2010	702.51	18.20	NA	684.31
	12/13/2010	702.51	18.02	NA	684.49
	2/18/2011	702.51	18.07	NA	684.44
	3/7/2011	702.51	17.65	NA	684.86
	6/21/2011	702.51	18.01	NA	684.50
	9/26/2011	702.51	17.76	NA	684.75
	12/12/2011	702.51	17.85	NA	684.66
	4/2/2012	702.51	17.86	NA	684.65
	7/9/2012	702.51	18.25	NA	684.26
	10/1/2012	702.51	17.80	NA	684.71
	3/12/2018	702.51	17.79	NA	684.72

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
Bridge (road)	6/15/2010	693.04	8.32	NA	684.72

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
SG-1	6/9/2010	679.60	1.10	NA	678.50
	6/15/2010	679.60	1.25	NA	678.35
	8/30/2010	679.60	0.66	NA	678.94
	9/20/2010	679.60	0.65	NA	678.95
	2/18/2011	679.60	0.89	NA	678.71
	3/7/2011	679.60	1.38	NA	678.22
	6/21/2011	679.60	1.00	NA	678.60
	9/26/2011	679.60	1.20	NA	678.40
	12/12/2011	679.60	0.99	NA	678.61
	4/2/2012	679.60	1.00	NA	678.60
	7/9/2012	679.60	0.70	NA	678.90
	10/1/2012	697.60	0.91	NA	696.69

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Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
SG-2	6/9/2010	680.38	1.22	NA	679.16
	6/15/2010	680.38	1.42	NA	678.96
	8/30/2010	680.38	0.96	NA	679.42
	9/20/2010	680.38	0.92	NA	679.46
	2/18/2011	680.38	1.06	NA	679.32
	3/7/2011	680.38	1.28	NA	679.10
	6/21/2011	680.38	1.12	NA	679.26
	9/26/2011	680.38	1.41	NA	678.97
	12/12/2011	680.38	1.12	NA	679.26
	4/2/2012	680.38	NM	NA	NM
	7/9/2012	680.38	0.82	NA	679.56
	10/1/2012	680.38	0.98	NA	679.40

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
SG-3	6/9/2010	683.03	0.88	NA	682.15
	6/15/2010	683.03	0.98	NA	682.05
	8/30/2010	683.03	0.56	NA	682.47
	9/20/2010	683.03	0.54	NA	682.49
	12/13/2010	683.03	0.76	NA	682.27
	2/18/2011	683.03	0.69	NA	682.34
	3/7/2011	683.03	1.14	NA	681.89
	6/21/2011	683.03	0.82	NA	682.21
	9/26/2011	683.03	0.97	NA	682.06
	12/12/2011	683.03	0.79	NA	682.24
	4/2/2012	683.03	0.79	NA	682.24
	7/9/2012	683.03	0.51	NA	682.52
	10/1/2012	683.03	0.58	NA	682.45

Table 2.
Groundwater Elevation Data
CSX Transportation
Former Indiana Creosote Company
Bloomington, indiana

Well I.D.	Date	Measuring Point Elevation (feet AMSL)	Measured Depth to Water (feet below MP)	Measured Total Well Depth (feet below MP)	Water Elevation (feet AMSL)
SG-4	6/9/2010	690.02	1.55	NA	688.47
	6/15/2010	690.02	1.90	NA	688.12
	8/30/2010	690.02	2.66	NA	687.36
	9/20/2010	690.02	2.93	NA	687.09
	12/13/2010	690.02	1.40	NA	688.62
	2/18/2011	690.02	1.77	NA	688.25
	3/7/2011	690.02	1.97	NA	688.05
	6/21/2011	690.02	1.74	NA	688.28
	9/26/2011	690.02	1.90	NA	688.12
	12/12/2011	690.02	1.80	NA	688.22
	4/2/2012	690.02	1.84	NA	688.18
	7/9/2012	690.02	1.54	NA	688.48
	10/1/2012	690.02	1.54	NA	688.48

Abbreviations:

AMSL = Above mean sea level.
MP = Measuring point (top of casing for wells).
NA = Not applicable.
NM = Not measured.

Notes:

1. Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88).
2. Historical elevation data was recalculated based on the 2008 survey.

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Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-1S	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	8/4/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1S	8/11/2003	--	0.001	0.006	0.008	0.008	NA	NA	NA	NA
MW-1S	10/29/2003	--	<0.001	<0.002	0.001	<0.006	NA	NA	NA	NA
MW-1S	2/17/2004	--	<0.001	<0.002	0.0016 J	0.003 J	0.011	<0.0050	<0.0050	<0.0050
MW-1S	9/9/2004	--	0.00086 J	<0.002	0.003	0.0022 J	<0.0050	NA	<0.0050	NA
MW-1S	8/1/2006	--	<0.001	0.00056 J	0.003	0.003	NA	NA	NA	NA
MW-1S	11/19/2008	7.0	<0.0010	<0.0010	<0.0010	<0.003	<0.010	NA	<0.010	NA
MW-1S	12/10/2009	97.2	<0.0050	<0.0050	<0.0050	<0.015	<0.01	NA	<0.0050	NA
MW-1S	12/9/2011	--	Well damaged beyond repair during City Utility Upgrade and was abandoned 12/9/2011							
MW-1D	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	8/4/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-1D	8/11/2003	--	0.004	0.007	0.030	0.031	NA	NA	NA	NA
MW-1D	10/1/2003	--	NA	NA	NA	NA	0.009	<0.0050	0.014	<0.0050
MW-1D	10/29/2003	--	< 0.01	0.010	0.034	0.046	NA	NA	NA	NA
MW-1D	2/17/2004	--	**0.005**	0.007	0.031	0.043	<0.0050	<0.0050	<0.0050	<0.0050
MW-1D	9/9/2004	--	0.0031 J	0.005 J	0.024	0.0233 J	<0.0050	NA	< 0.01	NA
MW-1D	8/2/2006	--	<0.001	<0.001	0.00069 J	<0.003	NA	NA	NA	NA
MW-1D	7/24/2007	--	0.0016 J	0.003	0.019	0.017	NA	NA	NA	NA
MW-1D	11/19/2008	2.6	<0.0050	0.0027 J	0.0201	0.0149 J	<0.010	NA	<0.010	NA
MW-1D	12/9/2009	0.0	<0.025	<0.025	<0.025	<0.075	<0.010	NA	<0.010	NA
MW-1D	12/14/2010	20.9	<0.0050	<0.0050	0.0181	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-1D	12/14/2011	13.3	<0.0050	<0.0050	0.0238	0.0212	<0.010	NA	<0.0050	NA
MW-1D	7/16/2015	8.2	<0.0050	<0.0050	0.0141	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-1D	3/15/2018	218	<0.0050	<0.0050	0.0083	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-1D	12/16/2019	49.8	<0.0050	<0.0050	0.0083	<0.015	<0.010	<0.010	0.0057	<0.0050
MW-2S	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	2/26/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-2S	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-2S	11/1/2008	--	Insufficient water supply to fill all containers							
MW-2S	12/9/2009	214.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-2S	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-2S	11/29/2011	86.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-2S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-2D	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-2D	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-2D	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050

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Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-2D	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-2D	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-2D	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-2D	11/19/2008	28.1	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-2D	12/10/2009	9.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-2D	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-2D	11/29/2011	2.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-2D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-3S	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3S	8/11/2003	--	**0.107**	0.130	0.151	0.397	NA	NA	NA	NA
MW-3S	10/30/2003	--	**0.059**	0.098	0.094	0.238	NA	NA	NA	NA
MW-3S	2/18/2004	--	**0.025**	0.039	0.048	0.116	**0.050**	<0.0050	**0.033**	<0.0050
MW-3S	8/1/2006	--	**0.027**	0.035	0.032	0.081	NA	NA	NA	NA
MW-3S	7/24/2008	--	Well Abandoned August 2006 for installation of City walk path							
MW-3D	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	8/11/2003	--	**0.398**	0.345	0.179	0.445	NA	NA	NA	NA
MW-3D	10/30/2003	--	**0.316**	0.354	0.173	0.431	NA	NA	NA	NA
MW-3D	2/18/2004	--	**0.229**	0.229	0.176	0.446	0.013	<0.0050	<0.0050	<0.0050
MW-3D	9/10/2004	--	**0.493**	0.423	0.228	0.530	<0.0050	NA	<0.0050	NA
MW-3D	8/2/2006	--	**0.354**	0.350	0.157	0.408	NA	NA	NA	NA
MW-3D	7/24/2008	--	Well Abandoned August 2006 for installation of City walk path							
MW-4S	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-4S	10/1/2003	--	NA	NA	NA	NA	**0.067**	<0.0050	**0.029**	<0.0050
MW-4S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-4S	2/19/2004	--	<0.001	<0.002	<0.002	<0.006	0.020	<0.0050	0.006	<0.0050
MW-4S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-4D	8/12/2003	--	**0.114**	0.053	0.042	0.099	NA	NA	NA	NA
MW-4D	10/31/2003	--	**0.117**	0.049	0.054	0.155	NA	NA	NA	NA
MW-4D	2/19/2004	--	**0.172**	0.057	0.037	0.184	0.043	<0.0050	**0.086**	<0.0050
MW-4D	9/9/2004	--	**0.368**	0.214	0.184	0.477	<0.0050	NA	< 0.01	NA
MW-4D	8/2/2006	--	**0.153**	0.111	0.085	0.214	NA	NA	NA	NA
MW-4D	7/24/2007	--	**0.142**	0.085	0.077	0.183	NA	NA	NA	NA
MW-4D	11/17/2008	18.5	**0.0814**	0.0852	0.0451	0.117	<0.010	NA	<0.0050	NA
MW-4D	12/16/2009	--	**0.0721**	0.0078	0.0413	0.0844	<0.010	NA	<0.0050	NA
MW-4D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-5S	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-5S	10/1/2003	--	NA	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
MW-5S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-5S	2/19/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-5S	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-5S	8/2/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-5S	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-5S	11/17/2008	--	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.0050	NA
MW-5S	12/16/2009	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-5S	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.10	<0.10	0.0065	<0.0050
MW-5S	7/12/2012	56.0	<0.0050	<0.0050	<0.0050	<0.015	0.0119	<0.010	<0.0050	<0.0050

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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name										
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-5S	7/15/2015	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.033	<0.010	**0.0395**	<0.0050
MW-5S	3/13/2018	163.0	<0.0050	<0.0050	<0.0050	<0.015	0.033	NA	**0.161**	NA
MW-5D	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-5D	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-5D	2/19/2004	--	<0.001	<0.002	0.00096 J	<0.006	<0.0050	<0.0050	0.007	<0.0050
MW-5D	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-5D	8/2/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-5D	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-5D	11/17/2008	--	<0.001	<0.001	<0.001	<0.003	0.0153	NA	0.0054	NA
MW-5D	12/16/2009	90.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-5D	12/16/2010	390.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-5D	12/16/2011	59.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-5D	7/16/2015	241.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-5D	3/12/2018	87	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-5D	12/17/2019	58.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0062	0.0053
MW-6S	2/19/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	**0.066**	<0.0050
MW-6S	11/17/2008	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-6S	12/16/2009	62.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	0.0073	NA
MW-6S	7/16/2015	521.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-6S	4/9/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-6D	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-6D	8/14/2003	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-6D	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-6D	2/19/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.008	<0.0050
MW-6D	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	0.006	NA
MW-6D	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-6D	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-6D	11/17/2008	--	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.0050	NA
MW-6D	12/16/2009	335.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-6D	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-6D	7/12/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-6D	7/16/2015	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-6D	3/14/2018	212.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-7S	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7S	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-7S	10/1/2003	--	NA	NA	NA	NA	**0.096**	<0.0050	**0.042**	<0.0050
MW-7S	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-7S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-7S	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-7S	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-7S	7/24/2008	--	Well Abandoned August 2006 for installation of City walk path							
MW-7D	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7D	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7D	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7D	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-7D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA

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Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-7D	8/11/2003	--	0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-7D	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-7D	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.006	<0.0050	**0.024**	<0.0050
MW-7D	9/9/2004	--	0.00088 J	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-7D	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-7D	7/24/2008	--	Well Abandoned August 2006 for installation of City walk path							
MW-8S	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-8S	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-8S	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-8S	10/1/2003	--	NA	NA	NA	NA	<0.0050	<0.0050	0.010	<0.0050
MW-8S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-8S	2/19/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.013	<0.0050
MW-8S	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-8S	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-8S	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-8S	11/18/2008	--	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-8S	12/15/2009	327.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-8S	12/14/2010	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-8S	12/16/2011	292.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-8S	7/15/2015	334.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0073	<0.0050
MW-8S	4/9/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-8S	12/17/2019	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0116	0.006
MW-8D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-8D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-8D	8/12/2003	--	**0.100**	0.020	0.036	0.074	NA	NA	NA	NA
MW-8D	10/31/2003	--	**0.074**	0.037	0.025	0.141	NA	NA	NA	NA
MW-8D	2/19/2004	--	**0.098**	0.019	0.020	0.095	<0.0050	<0.0050	0.011	<0.0050
MW-8D	9/9/2004	--	**0.192**	0.046	0.045	0.173	<0.0050	NA	< 0.01	NA
MW-8D	8/1/2006	--	**0.109**	0.026	0.042	0.079	NA	NA	NA	NA
MW-8D	7/24/2007	--	**0.095**	0.025	0.026	0.080	NA	NA	NA	NA
MW-8D	11/18/2008	26.7	**0.0847**	0.0304	0.0242	0.089	<0.010	NA	<0.010	NA
MW-8D	12/15/2009	2061.0	**0.0801**	0.0472	0.0323	0.123	<0.010	<0.010	<0.0050	<0.0050
MW-8D	6/24/2011	--	**0.092**	0.0492	0.044	0.147	<0.010	<0.010	<0.0050	<0.0050
MW-8D	7/10/2012	0.0	**0.0791**	0.0532	0.0339	0.174	0.0106	NA	**0.0174**	NA
MW-8D	7/15/2015	23.4	**0.0428**	0.0275	0.0264	0.14	<0.010	NA	<0.0050	NA
MW-8D	3/13/2018	176	**0.0358**	0.034	0.022	0.158	<0.010	NA	0.006	NA
MW-9	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-9	10/29/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-9	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	0.005	<0.0050	0.010	<0.0050
MW-9	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-9	7/31/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-9	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-9	11/19/2008	--	<0.001	<0.001	<0.001	<0.003	<0.020	NA	**0.0279**	NA
MW-9	12/9/2009	439.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	**0.027**	NA
MW-9	12/13/2010	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	0.0113	NA
MW-9	12/14/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0070	<0.0050
MW-9	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0052	<0.0050
MW-9	4/9/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0124	<0.0050
MW-9	12/16/2019	--	<0.0050	<0.0050	<0.0050	<0.015	0.0234	<0.010	**0.0470**	<0.0050

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Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-10	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-10	10/29/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-10	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.008	<0.0050
MW-10	9/9/2004	--	0.005	0.011	0.007	0.010	<0.0050	NA	<0.0050	NA
MW-10	7/31/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-10	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-10	11/19/2008	12.7	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-10	12/9/2009	7.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-10	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0084	<0.0050
MW-10	7/13/2012	--	--	--	--	--	--	--	--	--
MW-10	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0061	<0.0050
MW-10	3/22/2018	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-11S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-11D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-11D	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-11D	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-11D	10/1/2003	--	NA	NA	NA	NA	0.019	<0.0050	**0.068**	<0.0050
MW-11D	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-11D	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.014	<0.0050
MW-11D	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-11D	7/31/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-11D	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-11D	11/19/2008	2.0	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-11D	12/9/2009	167.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-11D	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050
MW-11D	7/12/2012	250.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-11D	7/16/2015	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0098	<0.0050
MW-11D	3/16/2018	62.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-12S	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-12S	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-12S	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-12S	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-12S	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-12S	10/30/2003	--	<0.001	<0.002	0.075	<0.006	NA	NA	NA	NA
MW-12S	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	0.022	<0.0050	**0.039**	<0.0050
MW-12S	9/10/2004	--	<0.0010	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-12S	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-12S	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-12S	11/20/2008	5.0	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-12S	12/11/2009	164.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-12S	12/14/2010	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-12S	12/14/2011	134.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-12S	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	0.0147	<0.010	**0.0188**	<0.0050
MW-12S	3/26/2018		<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-12D	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-12D	8/11/2003	--	**0.369**	0.408	0.205	0.580	NA	NA	NA	NA
MW-12D	10/30/2003	--	**0.778**	0.525	0.151	0.494	NA	NA	NA	NA
MW-12D	2/18/2004	--	**0.237**	0.310	0.194	0.523	<0.0050	<0.0050	<0.0050	<0.0050
MW-12D	9/10/2004	--	**0.305**	0.340	0.190	0.503	<0.0050	NA	<0.0050	NA

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Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-12D	8/2/2006	--	**0.464**	0.424	0.145	0.474	NA	NA	NA	NA
MW-12D	7/24/2007	--	**0.278**	0.314	0.161	0.423	NA	NA	NA	NA
MW-12D	11/20/2008	13.4	**0.308**	0.360	0.140	0.343	<0.020	NA	<0.010	NA
MW-12D	12/17/2009	0.0	**0.372**	0.399	0.171	0.436	<0.010	NA	<0.0050	NA
MW-12D	12/21/2010	24.3	**0.372**	0.415	0.176	0.448	<0.010	NA	<0.0050	NA
MW-12D	7/15/2015	0.0	**0.394**	0.493	0.175	0.449	<0.010	<0.010	<0.0050	<0.0050
MW-13	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-13	10/31/2003	--	**0.012**	0.015	0.043	0.073	NA	NA	NA	NA
MW-13	2/18/2004	--	0.004	0.004	0.010	0.018	0.021	<0.0050	**0.044**	<0.0050
MW-13	9/9/2004	--	**0.013**	0.014 J	0.039	0.0484 J	<0.0050	NA	< 0.01	NA
MW-13	8/1/2006	--	<0.001	<0.001	<0.00091	<0.003	NA	NA	NA	NA
MW-13	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-13	11/18/2008	39.1	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-13	12/15/2009	51.3	<0.0050	0.0052	0.0172	0.0253	<0.010	NA	<0.0050	NA
MW-13	6/22/2011	--	<0.0050	<0.0050	0.0087	<0.0015	0.0123	<0.010	<0.0050	<0.0050
MW-13	11/29/2011	149.0	<0.0050	0.0056	0.0222	0.0284	0.0226	<0.010	<0.0050	<0.0050
MW-13	12/9/2011	--	Well Abandoned December 2011 in Preparation of Site Excavation							
MW-14S	8/11/2003	--	0.003	0.005	0.014	0.034	NA	NA	NA	NA
MW-14S	10/31/2003	--	0.001	0.001	0.011	0.027	NA	NA	NA	NA
MW-14S	2/17/2004	--	< 0.02	< 0.04	0.0222 J	0.0492 J	0.016	<0.0050	**0.030**	<0.0050
MW-14S	9/9/2004	--	<0.001	< 0.02	0.0183 J	0.0263 J	<0.0050	NA	<0.0050	NA
MW-14S	8/1/2006	--	0.001	0.001	0.014	0.028	NA	NA	NA	NA
MW-14S	7/24/2007	--	<0.001	<0.001	0.003	0.004	NA	NA	NA	NA
MW-14S	11/20/2008	--	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-14S	12/11/2009	76.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-14S	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-14S	11/29/2011	72.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-14S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-14D	8/11/2003	--	**0.155**	0.211	0.159	0.419	NA	NA	NA	NA
MW-14D	10/31/2003	--	**0.245**	0.288	0.211	0.552	NA	NA	NA	NA
MW-14D	2/17/2004	--	**0.227**	0.286	0.153	0.373	<0.0050	<0.0050	<0.0050	<0.0050
MW-14D	9/9/2004	--	**0.314**	0.329	0.190	0.487	<0.0050	NA	<0.0050	NA
MW-14D	8/2/2006	--	**0.084**	0.062	0.045	0.129	NA	NA	NA	NA
MW-14D	7/24/2007	--	**0.207**	0.242	0.138	0.363	NA	NA	NA	NA
MW-14D	11/20/2008	16.8	**0.078**	0.115	0.0888	0.203	<0.020	NA	<0.010	NA
MW-14D	12/17/2009	13.5	**0.0915**	0.124	0.0861	0.217	<0.010	NA	<0.0050	NA
MW-14D	12/21/2010	30.9	**0.0225**	0.0635	0.0682	0.171	<0.010	NA	<0.0050	NA
MW-14D	11/29/2011	33.1	*<0.10*	0.138	0.103	<0.30	<0.010	<0.010	<0.0050	<0.0050
MW-14D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-15S	8/11/2003	--	**0.189**	0.156	0.112	0.300	NA	NA	NA	NA
MW-15S	10/30/2003	--	**0.103**	0.099	0.084	0.216	NA	NA	NA	NA
MW-15S	2/17/2004	--	**0.348**	0.285	0.144	0.345	0.026	NA	**0.034**	NA
MW-15S	2/17/2004	--	NA	NA	NA	NA	NA	<0.0050	NA	<0.0050
MW-15S	9/9/2004	--	**0.025**	0.016	0.016	0.035	<0.0050	NA	< 0.01	NA
MW-15S	8/1/2006	--	**0.109**	0.110	0.106	0.294	NA	NA	NA	NA
MW-15S	7/24/2007	--	Well destroyed during walk path construction in October 2006							
MW-15D	8/11/2003	--	**0.045**	0.043	0.017	0.046	NA	NA	NA	NA

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-15D	10/30/2003	--	**0.427**	0.500	0.233	0.623	NA	NA	NA	NA
MW-15D	2/18/2004	--	**0.423**	0.516	0.252	0.728	0.045	<0.0050	**0.0782**	<0.0050
MW-15D	9/9/2004	--	**0.565**	0.519	0.240	0.678	<0.0050	NA	< 0.01	NA
MW-15D	8/1/2006	--	**0.217**	0.235	0.129	0.373	NA	NA	NA	NA
MW-15D	7/24/2007	--	**0.234**	0.291	0.137	0.377	NA	NA	NA	NA
MW-15D	11/20/2008	32.9	**0.260**	0.269	0.141	0.337	<0.020	NA	<0.010	NA
MW-15D	12/17/2009	15.9	**0.143**	0.215	0.127	0.342	<0.010	NA	<0.0050	NA
MW-15D	12/21/2010	118.0	**0.283**	0.31	0.184	0.443	<0.010	<0.010	<0.0050	<0.0050
MW-15D	7/15/2015	0.0	**0.121**	0.178	0.154	0.382	<0.010	<0.010	<0.0050	<0.0050
MW-16S	8/11/2003	--	< 0.01	<0.02	0.027	0.053	NA	NA	NA	NA
MW-16S	10/30/2003	--	<0.0025	0.004	0.016	0.037	NA	NA	NA	NA
MW-16S	2/18/2004	--	0.00094 J	0.006	0.016	0.039	0.033	<0.0050	**0.0622**	<0.0050
MW-16S	9/9/2004	--	<0.001	0.008 J	0.0171 J	0.0389 J	0.007	NA	<0.0050	NA
MW-16S	8/1/2006	--	<0.001	0.0064 J	0.013	0.032	NA	NA	NA	NA
MW-16S	7/25/2007	--	<0.001	0.002	0.004	0.008	NA	NA	NA	NA
MW-16S	11/20/2008	23.1	<0.0010	0.0017	0.0054	0.0117	<0.020	NA	<0.010	NA
MW-16S	12/11/2009	58.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-16S	12/14/2010	--	<0.0050	<0.0050	<0.0050	<0.015	0.0132	<0.010	<0.0050	<0.0050
MW-16S	12/14/2011	76.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.10	<0.0050	<0.0050
MW-16S	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	0.0175	<0.10	0.0099	<0.0050
MW-16S	3/26/2018	25.0	<0.0050	<0.0050	0.0143	0.0264	<0.010	<0.10	<0.0050	<0.0050
MW-16S	12/16/2019	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.10	0.0079	<0.0050
MW-16D	8/11/2003	--	**0.050**	0.098	0.082	0.177	NA	NA	NA	NA
MW-16D	10/30/2003	--	**0.095**	0.174	0.132	0.344	NA	NA	NA	NA
MW-16D	2/18/2004	--	**0.083**	0.197	0.193	0.559	<0.0050	<0.0050	<0.0050	<0.0050
MW-16D	9/9/2004	--	**0.0836 J**	0.209	0.167 J	0.434 J	<0.0050	NA	<0.0050	NA
MW-16D	8/2/2006	--	**0.029**	0.057	0.055	0.142	NA	NA	NA	NA
MW-16D	7/25/2007	--	**0.040**	0.092	0.098	0.239	NA	NA	NA	NA
MW-16D	11/19/2008	2.4	**0.0298**	0.0579	0.0676	0.139	<0.010	NA	<0.010	NA
MW-16D	12/17/2009	1.5	<0.050	0.0879	0.0871	0.201	<0.010	NA	<0.0050	NA
MW-16D	12/21/2010	62.3	**0.0285**	0.0742	0.0998	0.235	<0.010	<0.010	<0.0050	<0.0050
MW-16D	7/15/2015	298.0	**0.0255**	0.0539	0.0861	0.213	<0.010	<0.010	<0.0050	<0.0050
MW-17S	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-17S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-17S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.026	<0.0050	**0.094**	<0.0050
MW-17S	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-17S	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-17S	7/26/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-17S	11/18/2008	23.6	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-17S	12/15/2009	161.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-17S	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0206	<0.0050
MW-17S	7/10/2012	187.0	<0.0050	<0.0050	<0.0050	<0.015	0.0441	<0.010	**0.534**	<0.0050
MW-17S	7/14/2015	589.0	<0.0050	<0.0050	<0.0050	<0.015	0.0133	<0.010	**0.0242**	<0.0050
MW-17S	4/9/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.015	<0.010	**0.0245**	<0.0050
MW-17D	8/12/2003	--	**0.292**	0.250	0.070	0.205	NA	NA	NA	NA
MW-17D	10/31/2003	--	**0.290**	0.262	0.084	0.267	NA	NA	NA	NA
MW-17D	2/18/2004	--	**0.268**	0.219	0.075	0.225	**0.055**	<0.0050	**0.047**	<0.0050
MW-17D	9/9/2004	--	**0.322**	0.270	0.101	0.302	<0.0050	NA	< 0.01	NA
MW-17D	8/1/2006	--	**0.123**	0.099	0.037	0.105	NA	NA	NA	NA
MW-17D	7/26/2007	--	**0.091**	0.083	0.033	0.104	NA	NA	NA	NA
MW-17D	11/18/2008	31.1	**0.0098**	0.0033	0.00091 J	<0.0030	<0.010	NA	<0.010	NA
MW-17D	12/15/2009	5.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-17D	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-17D	7/13/2012	108.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-17D	7/14/2015	17.2	**0.0072**	0.0056	<0.0050	<0.015	<0.010	NA	0.0121	NA
MW-17D	3/14/2018	35	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-18S	8/12/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-18S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-18S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.034	<0.0050	**0.133**	<0.0050
MW-18S	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-18S	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-18S	7/25/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-18S	11/18/2008	--	<0.001	<0.001	<0.001	<0.003	0.0102	NA	<0.010	NA
MW-18S	12/15/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.050	NA
MW-18S	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	0.0114	<0.010	0.008	<0.0050
MW-18S	7/15/2015	61.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-18S	3/13/2018	10.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-18D	8/12/2003	--	**0.005**	0.011	0.010	0.027	NA	NA	NA	NA
MW-18D	10/31/2003	--	0.011	0.024	0.017	0.049	NA	NA	NA	NA
MW-18D	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-18D	8/1/2006	--	0.001	0.001	<0.001	0.0021 J	NA	NA	NA	NA
MW-18D	7/25/2007	--	0.001	0.001	<0.001	<0.003	NA	NA	NA	NA
MW-18D	11/18/2008	0.0	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-18D	12/15/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-18D	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-18D	7/10/2012	84.5	<0.0050	<0.0050	<0.0050	<0.015	0.049	NA	**0.0253**	NA
MW-18D	7/15/2015	3.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-18D	3/13/2018	3.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-19S	10/1/2003	--	NA	NA	NA	NA	**0.062**	<0.0050	**0.077**	<0.0050
MW-19S	10/31/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-19S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.006	<0.0050	**0.017**	<0.0050
MW-19S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.0064	<0.0050	**0.0172**	<0.0050
MW-19S	12/15/2009	87.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	**0.0154**	NA
MW-19S	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.0015	**0.246**	<0.010	**0.0245**	<0.0050
MW-19S	7/15/2015	742.0	<0.0050	<0.0050	<0.0050	<0.0015	0.0388	<0.010	**0.042**	<0.0050
MW-19S	3/13/2018	--	Insufficient water to collect sample							
MW-19D	8/12/2003	--	**0.014**	0.018	0.008	0.018	NA	NA	NA	NA
MW-19D	10/31/2003	--	**0.061**	0.059	0.012	0.094	NA	NA	NA	NA
MW-19D	2/18/2004	--	**0.061**	0.041	0.003	0.066	0.047	<0.0050	**87.2**	<0.0050
MW-19D	9/9/2004	--	**0.243**	0.252	0.060	0.327	<0.0050	NA	< 0.01	NA
MW-19D	8/1/2006	--	**0.076**	0.106	0.029	0.151	NA	NA	NA	NA
MW-19D	7/25/2007	--	**0.140**	0.165	0.053	0.177	NA	NA	NA	NA
MW-19D	11/18/2008	29.5	**0.0624**	0.0408	0.005	0.0388	<0.010	NA	<0.0050	NA
MW-19D	12/17/2009	308.0	**0.151**	0.247	0.0577	0.373	<0.010	NA	<0.0050	NA
MW-19D	12/16/2010	825.0	**0.0998**	0.191	0.0567	0.291	<0.010	<0.010	<0.0050	<0.0050
MW-19D	7/15/2015	8.4	**0.0196**	0.0406	0.0168	0.0672	<0.010	NA	<0.0050	NA
MW-19D	3/13/2018	28.3	**0.108**	0.228	0.092	0.389	<0.010	<0.010	<0.0050	<0.0050
MW-20S	11/13/2003	--	**0.018**	0.007	0.013	0.022	NA	NA	NA	NA
MW-20S	2/19/2004	--	0.003	0.00053 J	0.002	0.0019 J	<0.0050	<0.0050	**0.094**	<0.0050
MW-20S	11/18/2008	--	**0.0098**	0.0014	0.0058	0.0053	0.0143	NA	**0.177**	NA
MW-20S	12/16/2009	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	**0.0494**	NA
MW-20S	12/14/2010	--	**0.0172**	<0.0050	0.005	<0.015	<0.010	<0.010	**0.045**	<0.0050
MW-20S	12/16/2011	853.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	**0.0195**	<0.0050

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-20S	7/14/2015	469.0	<0.0050	<0.0050	<0.0050	<0.015	0.011	<0.010	**0.0633**	<0.0050
MW-20S	3/15/2018	212.0	<0.0081	<0.0050	0.0064	<0.015	<0.010	<0.010	**0.0257**	<0.0050
MW-20S	12/17/2019	--	<0.0050	<0.0050	<0.0050	<0.015	0.0171	<0.010	**0.0959**	0.0067
MW-20D	11/13/2003	--	**0.158**	0.164	0.146	0.343	NA	NA	NA	NA
MW-20D	2/18/2004	--	**0.346**	0.631	0.384	1.070	0.008	0.005	<0.0050	<0.0050
MW-20D	9/10/2004	--	**0.155**	0.343	0.198	0.525	<0.0050	NA	<0.0050	NA
MW-20D	8/1/2006	--	**0.123**	0.164	0.134	0.322	NA	NA	NA	NA
MW-20D	7/26/2007	--	**0.085**	0.076	0.135	0.299	NA	NA	NA	NA
MW-20D	11/18/2008	2.2	**0.0426**	0.0289	0.0613	0.115	<0.010	NA	<0.010	NA
MW-20D	12/17/2009	0.0	**0.0957**	0.0661	0.0988	0.213	<0.010	NA	<0.0050	NA
MW-20D	12/21/2010	40.3	**0.0257**	0.0205	0.0758	0.15	<0.010	NA	<0.0050	NA
MW-21S	11/13/2003	--	0.001	0.002	0.002	0.004	NA	NA	NA	NA
MW-21S	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	0.022	<0.0050	**0.076**	<0.0050
MW-21S	9/10/2004	--	<.001	<.002	<.002	<.006	<0.0050	NA	<0.0050	NA
MW-21S	8/2/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-21S	7/26/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-21S	11/18/2008	--	<0.0010	<0.0010	<0.0010	<0.003	0.0113	NA	<0.010	NA
MW-21S	12/16/2009	--	<0.0050	<0.0050	<0.0050	<0.015	**0.0683**	NA	0.0108	NA
MW-21S	12/14/2010	--	<0.0050	<0.0050	<0.0050	<0.015	0.041	NA	0.0062	NA
MW-21S	7/14/2015	125.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0097	<0.0050
MW-21S	4/9/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-21S	12/17/2019	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.007	0.008
MW-21D	11/13/2003	--	**0.037**	0.079	0.181	0.461	NA	NA	NA	NA
MW-21D	2/18/2004	--	**0.058**	0.071	0.178	0.460	<0.0050	<0.0050	<0.0050	<0.0050
MW-21D	8/2/2006	--	**0.029**	0.019	0.087	0.200	NA	NA	NA	NA
MW-21D	7/26/2007	--	**0.030**	0.013	0.088	0.185	NA	NA	NA	NA
MW-21D	11/18/2008	2.1	**0.0217**	0.0124	0.0785	0.16	<0.010	NA	<0.010	NA
MW-21D	12/17/2009	167.0	**0.0192**	0.0191	0.0779	0.176	<0.010	<0.010	<0.0050	<0.0050
MW-21D	12/21/2010	305.0	**0.0286**	0.0289	0.0846	0.186	<0.010	<0.010	0.007	<0.0050
MW-22D	11/13/2003	--	**0.036**	0.031	0.018	0.043	NA	NA	NA	NA
MW-22D	2/18/2004	--	**0.007**	0.007	0.003	0.008	<0.0050	<0.0050	<0.0050	<0.0050
MW-22D	9/10/2004	--	**0.024**	0.020	0.011	0.035	<0.0050	NA	<0.0050	NA
MW-22D	8/2/2006	--	**0.189**	0.279	0.107	0.318	NA	NA	NA	NA
MW-22D	7/26/2007	--	0.001	0.004	0.004	0.010	NA	NA	NA	NA
MW-22D	11/18/2008	3.7	**0.01**	0.0229	0.0156	0.0405	<0.010	NA	<0.0050	NA
MW-22D	12/17/2009	>1000	**0.0186**	0.0229	0.0184	0.0643	**0.0702**	<0.010	**0.0532**	<0.0050
MW-22D	12/21/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-22D	7/15/2015	34.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-22D	3/15/2018	3.6	<0.0050	0.0105	0.0122	0.0226	<0.010	NA	<0.0050	NA
MW-23D	11/13/2003	--	**0.377**	0.360	0.177	0.394	NA	NA	NA	NA
MW-23D	2/18/2004	--	**0.376**	0.373	0.174	0.404	0.011	<0.0050	**0.086**	<0.0050
MW-23D	9/10/2004	--	**0.467**	0.463	0.203	0.474	0.005	NA	<0.0050	NA
MW-23D	8/2/2006	--	**0.147**	0.178	0.075	0.157	NA	NA	NA	NA
MW-23D	7/26/2007	--	**0.228**	0.249	0.099	0.223	NA	NA	NA	NA
MW-23D	11/18/2008	12.2	**0.08**	0.104	0.0399	0.107	<0.010	NA	<0.0050	NA
MW-23D	12/16/2009	3.6	**0.0669**	0.0911	0.0785	0.116	<0.010	NA	<0.0050	NA
MW-23D	12/17/2010	35.3	**0.0258**	0.268	0.0163	0.0401	<0.010	NA	<0.0050	NA
MW-23D	12/16/2011	76.5	**0.0509**	0.0605	0.0554	0.117	<0.010	<0.010	<0.0050	<0.0050
MW-23D	7/16/2015	--	**0.0452**	0.0168	0.0545	0.105	<0.010	<0.010	<0.0050	<0.0050
MW-23D	3/15/2018	32	**0.626**	0.056	0.114	0.231	<0.010	<0.010	<0.0050	<0.0050
MW-23D	1/7/2020	122	**0.037**	0.028	0.0907	0.170	<0.010	<0.010	0.005	<0.0050

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Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name										
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-24A	11/17/2008	--	Not Sampled do the presence of Free-product							
MW-24A	3/3/2009	--	**0.353**	0.476	0.195	0.544	<0.010	<0.010	<0.010	<0.010
MW-24A	12/17/2009	16.4	**0.275**	0.431	0.169	0.468	<0.010	NA	<0.0050	NA
MW-24A	12/21/2010	12.6	**0.341**	0.483	0.186	0.517	<0.010	NA	<0.0050	NA
MW-24A	3/11/2011	48.8	**0.431**	0.643	0.228	0.639	<0.010	<0.010	<0.0050	<0.0050
MW-24A	6/24/2011	--	**0.287**	0.432	0.168	0.471	<0.010	<0.010	<0.0050	<0.0050
MW-24A	9/28/2011	26.7	**0.386**	0.608	0.189	0.533	<0.010	<0.010	<0.0050	<0.0050
MW-25A	11/18/2008	70.9	0.0047 J	0.0037 J	0.0067	0.0087 J	<0.010	NA	<0.010	NA
MW-25A	12/15/2009	97.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-25A	12/17/2010	>1000	**0.0641**	0.0404	0.0176	0.0315	<0.010	<0.010	0.0062	<0.0050
MW-25A	3/7/2011	89.1	**0.736**	0.0407	0.0224	0.0428	<0.010	<0.010	<0.0050	<0.0050
MW-25A	6/23/2011	--	**0.177**	0.0707	0.0263	<0.075	<0.010	<0.010	<0.0050	<0.0050
MW-25A	9/28/2011	>1000	**0.175**	0.0963	0.0433	0.0938	<0.010	<0.010	<0.0050	<0.0050
MW-25A	12/16/2011	55.8	**0.0666**	0.0432	0.0267	0.0511	<0.010	<0.010	<0.0050	<0.0050
MW-25A	4/4/2012	68.5	**0.0057**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-25A	7/10/2012	31.6	**0.0691**	0.0151	0.0201	0.0198	<0.010	<0.010	<0.0050	<0.0050
MW-25A	10/3/2012	18.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-25A	7/14/2015	105.0	**0.0118**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-25A	3/13/2018	13.8	**0.072**	0.0351	0.0202	0.0437	<0.010	<0.010	<0.0050	<0.0050
MW-26A	11/18/2008	--	0.002	0.0029	0.0019 J	0.0038 J	0.0118	NA	0.0085	NA
MW-26A	12/16/2009	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-26A	12/16/2010	6.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-26A	3/7/2011	10.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-26A	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-26A	9/28/2011	26.6	**0.0074**	0.0188	<0.0050	0.0171	<0.010	<0.010	<0.0050	<0.0050
MW-26A	12/14/2011	50.0	**0.0131**	0.0275	0.0085	0.0287	<0.010	<0.010	<0.0050	<0.0050
MW-26A	4/4/2012	151.0	**0.0222**	0.074	0.0306	0.101	<0.010	<0.010	<0.0050	<0.0050
MW-26A	7/13/2012	18.2	**0.0259**	0.0986	0.0504	0.155	0.0145	<0.010	0.0121	<0.0050
MW-26A	10/2/2012	175.0	**0.0286**	0.106	0.0599	0.222	0.0109	<0.010	<0.0050	<0.0050
MW-27A	11/17/2008	--	Not Sampled do the presence of Free-product							
MW-27A	3/3/2009	--	**0.167**	0.308	0.167	0.478	<0.010	<0.010	<0.010	<0.010
MW-27A	12/17/2009	14.9	**0.25**	0.443	<0.25	<0.75	<0.010	NA	<0.0050	NA
MW-27A	4/15/2010	101.0	**0.208**	0.436	0.204	0.57	<0.010	<0.010	<0.010	<0.010
MW-27A	7/15/2015	--	Converted to RW-17							
MW-28A	2/12/2009	--	**0.0089**	0.0058	0.0055	0.005	<0.010	NA	<0.010	NA
MW-28A	8/5/2009	5.2	0.0028	0.0016	0.0011	<0.0030	<0.010	NA	<0.0050	NA
MW-28A	6/16/2010	9.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28A	9/21/2010	0.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28A	3/8/2011	43.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	9/27/2011	10.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28A	12/15/2011	12.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28A	4/5/2012	0.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	7/11/2012	52.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	10/2/2012	2.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	7/16/2015	19.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28A	3/14/2018	10.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28B	2/12/2009	--	**0.069**	0.0015	0.0476	0.0344	0.0258	NA	**0.0367**	NA
MW-28B	8/5/2009	1.1	**0.0951**	0.0017	0.0743	0.0533	<0.010	NA	<0.0050	NA
MW-28B	12/16/2009	0.0	**0.0923**	<0.0050	0.0633	0.0428	<0.010	NA	<0.0050	NA

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Table 3.
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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-28B	6/16/2010	14.9	**0.0849**	<0.0050	0.0133	0.015	<0.010	NA	<0.0050	NA
MW-28B	9/21/2001	0.1	**0.0917**	<0.0050	0.0499	0.0428	<0.010	NA	<0.0050	NA
MW-28B	12/15/2010	36.4	**0.0842**	<0.010	0.0512	0.0406	<0.010	<0.010	<0.0050	<0.0050
MW-28B	3/8/2011	53.2	**0.0787**	<0.0050	0.019	0.0283	<0.010	<0.010	<0.0050	<0.0050
MW-28B	6/22/2011	--	**0.0757**	<0.0050	0.0071	0.0155	<0.010	<0.010	<0.0050	<0.0050
MW-28B	9/27/2011	4.1	**0.0889**	<0.0050	0.037	0.0387	<0.010	NA	<0.0050	NA
MW-28B	12/13/2011	15.7	**0.0847**	<0.0050	<0.0050	<0.0015	<0.010	NA	<0.0050	NA
MW-28B	4/5/2012	16.0	**0.0749**	<0.0050	0.0132	0.017	<0.010	NA	<0.0050	NA
MW-28B	7/11/2012	4.6	**0.0923**	<0.0050	0.0404	0.0415	<0.010	<0.010	<0.0050	<0.0050
MW-28B	10/2/2012	7.5	**0.0913**	<0.0050	0.0176	0.0314	<0.010	NA	<0.0050	NA
MW-28B	7/16/2015	0.0	**0.0428**	<0.0050	<0.0050	<0.0015	<0.010	<0.010	<0.0050	<0.0050
MW-28B	3/14/2018	1.2	**0.0647**	<0.0050	0.0485	0.0483	<0.010	<0.010	<0.0050	<0.0050
MW-28B	1/7/2020	31.4	**0.0295**	<0.0050	<0.0050	<0.0015	<0.010	<0.010	0.0055	<0.0050
MW-28C	2/12/2009	--	<0.0010	<0.0010	<0.0010	<0.003	<0.010	NA	<0.010	NA
MW-28C	8/5/2009	4.7	<0.0010	<0.0010	<0.0010	<0.003	<0.010	NA	<0.0050	NA
MW-28C	12/16/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	6/16/2010	8.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	9/21/2010	0.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	12/15/2010	21.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	3/8/2011	14.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	9/27/2011	7.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	12/13/2011	9.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-28C	4/5/2012	120.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	7/10/2012	2.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	10/2/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	7/16/2015	6.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	3/14/2018	14.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-28C	1/7/2020	8.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	2/12/2009	107.8	0.0019	0.0022	0.0019	0.0059	0.0278	NA	**0.0172**	NA
MW-29A	8/5/2009	5.7	0.0018	0.0012	0.00098 J	0.003	<0.010	NA	<0.0050	NA
MW-29A	12/15/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-29A	6/17/2010	104.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-29A	9/21/2010	0.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-29A	3/11/2011	39.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-29A	9/30/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	12/14/2011	22.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	7/13/2012	25.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-29A	10/4/2012	53.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	7/17/2015	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29A	3/26/2018		<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-29B	3/3/2009	--	**0.371**	0.423	0.203	0.558	**0.0702**	**0.0613**	<0.010	<0.010
MW-29B	8/5/2009	31.4	**0.158**	0.264	0.163	0.430	0.0399	NA	<0.0050	NA
MW-29B	12/17/2009	27.8	**0.0932**	0.17	0.119	0.315	0.0358	NA	<0.0050	NA
MW-29B	6/17/2010	--	**0.1**	0.193	0.16	0.410	0.0129	0.0364	0.0171	<0.0050
MW-29B	9/21/2010	0.2	**0.0860**	0.146	0.125	0.350	0.0437	0.0401	<0.0050	<0.0050
MW-29B	12/21/2010	30.8	**0.1370**	0.193	0.155	0.378	0.0445	NA	<0.0050	NA
MW-29B	3/11/2011	64.7	**0.1040**	0.191	0.146	0.394	0.0435	0.0403	<0.0050	<0.0050
MW-29B	6/24/2011	--	**0.1200**	0.221	0.176	0.443	**0.0521**	0.042	<0.0050	<0.0050
MW-29B	9/28/2011	82.3	**0.1340**	0.231	0.192	0.457	**0.05**	0.0498	<0.0050	<0.0050
MW-29B	7/15/2015	316.0	**0.1130**	0.239	0.171	0.501	**0.0785**	**0.0731**	<0.0050	<0.0050
MW-30A	11/4/2009	70.4	**0.315**	0.253	0.171	0.359	<0.010	<0.010	<0.010	<0.010

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-30A	12/16/2009	263.0	**0.273**	0.204	0.149	0.322	<0.010	NA	<0.0050	NA
MW-30A	6/16/2010	74.8	**0.149**	0.1	0.0824	0.189	<0.010	NA	<0.0050	NA
MW-30A	9/23/2010	104.0	**0.307**	<0.25	<0.25	<0.75	<0.010	<0.010	<0.0050	<0.0050
MW-30A	12/16/2010	>1000	**0.244**	0.12	0.159	0.34	<0.010	<0.010	<0.0050	<0.0050
MW-30A	3/8/2011	24.0	**0.265**	0.0759	0.144	0.3	<0.010	<0.010	<0.0050	<0.0050
MW-30A	6/24/2011	--	**0.208**	0.0349	0.113	0.252	<0.010	NA	<0.0050	NA
MW-30A	9/30/2011	8.7	**0.169**	0.0343	0.076	0.17	<0.010	<0.010	<0.0050	<0.0050
MW-30A	12/16/2011	84.3	**0.262**	<0.050	0.178	0.39	<0.010	<0.010	<0.0050	<0.0050
MW-30A	4/4/2012	25.0	**0.192**	<0.025	0.116	0.256	<0.010	<0.010	<0.0050	<0.0050
MW-30A	7/12/2012	15.2	**0.226**	0.0658	0.161	0.349	<0.010	<0.010	<0.0050	<0.0050
MW-30A	10/3/2012	256.0	**0.241**	0.0428	0.161	0.327	<0.010	<0.010	<0.0050	<0.0050
MW-30A	7/16/2015	0.0	**0.122**	0.0424	0.0599	0.126	<0.010	<0.010	<0.0050	<0.0050
MW-30A	3/12/2018	1.2	**0.137**	0.0529	0.128	0.284	<0.010	<0.010	<0.0050	<0.0050
MW-30B	11/4/2009	13.0	0.00088 J	0.0009 J	0.00054 J	<0.0030	<0.020	<0.020	<0.010	<0.010
MW-30B	12/16/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	6/16/2010	5.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	9/23/2010	118.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-30B	12/16/2010	29.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	3/8/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-30B	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	9/30/2011	16.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-30B	12/16/2011	0.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	4/4/2012	26.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-30B	7/12/2012	9.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-30B	10/3/2012	12.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-30B	7/16/2015	18.5	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050	<0.0050
MW-30B	3/12/2018	33.2	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050	<0.0050
MW-31A	11/4/2009	>1000	<0.00100	<0.00100	<0.00100	<0.0030	**0.0527**	<0.010	**0.061**	<0.010
MW-31A	12/15/2009	1025.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31A	6/18/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	9/21/2010	0.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31A	12/17/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0148	<0.010	**0.0205**	<0.0050
MW-31A	3/8/2011	27.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	9/30/2011	57.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	12/16/2011	542.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	4/4/2012	144.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	7/13/2012	60.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	10/3/2012	151.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	7/16/2015	332.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	**0.0157**	<0.0050
MW-31A	3/14/2018	1.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31A	12/17/2019	40.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0062	0.0056
MW-31B	11/4/2009	755.0	0.00047 J	0.00042 J	<0.00100	<0.0030	0.011	<0.010	<0.010	<0.010
MW-31B	12/15/2009	93.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31B	6/18/2010	9.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31B	9/21/2010	0.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31B	3/8/2011	58.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	9/30/2011	481.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	12/16/2011	35.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	4/4/2012	722.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0054	<0.0050
MW-31B	7/13/2012	14.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	10/3/2012	154.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31B	7/16/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-31B	3/14/2018	5.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31C	11/4/2009	>1000	<0.00100	0.00054 J	<0.00100	<0.0030	**0.116**	<0.010	**0.115**	<0.010
MW-31C	12/15/2009	35.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-31C	6/18/2010	79.3	<0.0050	<0.0050	<0.0050	<0.015	**0.0796**	**0.0734**	<0.0050	<0.0050
MW-31C	9/21/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	**0.0622**	NA	<0.0050	NA
MW-31C	12/17/2010	29.4	<0.0050	<0.0050	<0.0050	<0.015	**0.0504**	NA	<0.0050	NA
MW-31C	3/8/2011	3.0	<0.0050	<0.0050	<0.0050	<0.015	0.0368	0.0395	<0.0050	<0.0050
MW-31C	6/24/2011	--	<0.0050	<0.0050	<0.0050	<0.015	0.0368	0.0384	<0.0050	<0.0050
MW-31C	9/30/2011	20.7	<0.0050	<0.0050	<0.0050	<0.015	0.0252	0.0276	<0.0050	<0.0050
MW-31C	12/16/2011	243.0	<0.0050	<0.0050	<0.0050	<0.015	0.0219	0.022	<0.0050	<0.0050
MW-31C	4/4/2012	44.1	<0.0050	<0.0050	<0.0050	<0.015	0.0146	0.0153	<0.0050	<0.0050
MW-31C	7/13/2012	100.0	<0.0050	<0.0050	<0.0050	<0.015	0.0137	0.0112	<0.0050	<0.0050
MW-31C	10/3/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-31C	7/16/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.0158	0.0154	<0.0050	<0.0050
MW-31C	3/14/2018	12.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	11/4/2009	318.0	<0.00100	<0.00100	<0.00100	<0.0030	<0.010	<0.010	<0.010	<0.010
MW-32A	12/16/2009	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	6/16/2010	32.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	9/21/2010	0.2	**0.0282**	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	12/15/2010	8.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	3/7/2011	59.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	9/28/2011	19.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	12/13/2011	17.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-32A	4/5/2012	55.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	7/10/2012	0.0	**0.0161**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	10/3/2012	6.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	7/16/2015	379.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32A	3/14/2018	80.2	<0.0050	<0.0050	<0.0050	<0.015	0.0199	<0.010	0.0136	<0.0050
MW-32A	1/7/2020	--	**0.0068**	<0.0050	<0.0050	<0.015	0.016	<0.010	**0.0205**	<0.0050
MW-32B	5/2/2012	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0122	<0.0050
MW-32B	7/11/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32B	10/3/2012	83.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32B	7/16/2015	4.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32B	3/14/2018	4.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32C	5/2/2012	97.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32C	7/11/2012	114.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32C	10/3/2012	109.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32C	7/16/2015	5.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-32C	3/14/2018	33.400	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	11/23/2009	16.1	<0.0050	<0.0050	<0.0050	<0.015	0.0127	<0.010	<0.010	<0.010
MW-33A	12/17/2009	152.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-33A	3/14/2010	262.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-33A	6/15/2010	238.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	9/20/2010	0.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	12/13/2010	162.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	3/7/2011	77.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	6/21/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	9/26/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33A	7/26/2013	--	Well Abandoned Due to Non Detections							
MW-33B	11/23/2009	187.0	<0.0050	<0.0050	<0.0050	<0.015	0.0157	<0.010	<0.010	<0.010

ARCADIS Design & Consultancy for natural and built assets

Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name										
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-33B	12/17/2009	265.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	3/14/2010	309.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	0.0055	NA
MW-33B	6/15/2010	174.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	9/20/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	12/13/2010	12.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	3/7/2011	18.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	6/21/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	9/26/2011	2.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33B	7/26/2013	--	Well Abandoned Due to Non Detections							
MW-33C	11/23/2009	62.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-33C	12/17/2009	345.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33C	3/14/2010	478.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-33C	6/15/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.005	<0.0050
MW-33C	9/20/2010	0.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33C	12/13/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0058	<0.0050
MW-33C	3/7/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33C	6/21/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33C	9/26/2011	521.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-33C	7/26/2013	--	Well Abandoned Due to Non Detections							
MW-34A	11/23/2009	1697.0	0.0153	0.0194	0.029	0.092	<0.010	<0.010	0.0118	<0.010
MW-34A	12/16/2009	251.0	**0.025**	0.0218	0.0328	0.094	0.0129	<0.010	0.0139	<0.0050
MW-34A	6/16/2010	108.0	**0.0500**	0.0243	0.0402	0.095	<0.010	<0.010	<0.0050	<0.0050
MW-34A	9/23/2010	104.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-34A	12/16/2010	>1000	**0.0475**	<0.025	0.0336	0.0863	0.0263	<0.010	**0.0159**	<0.0050
MW-34A	3/7/2011	250.0	**0.0551**	0.0231	0.0434	0.101	<0.010	<0.010	<0.0050	<0.0050
MW-34A	6/23/2011	--	**0.0521**	0.0175	0.039	0.0876	<0.010	<0.010	<0.0050	<0.0050
MW-34A	9/28/2011	420.0	**0.0755**	0.0261	0.0519	0.129	<0.010	<0.010	<0.0050	<0.0050
MW-34A	12/15/2011	123.0	**0.0696**	0.0231	0.0529	0.124	0.0128	<0.010	0.0061	<0.0050
MW-34A	4/4/2012	114.0	**0.0767**	0.0368	0.0639	0.156	<0.010	<0.010	<0.0050	<0.0050
MW-34A	7/12/2012	0.0	**0.0727**	0.0118	0.0548	0.121	0.0344	<0.010	0.0146	<0.0050
MW-34A	10/2/2012	587.0	**0.0797**	0.0195	0.0686	0.124	<0.010	<0.010	<0.0050	<0.0050
MW-34A	7/16/2015	>1000	**0.178**	0.196	0.124	0.319	**0.159**	0.0103	**0.127**	<0.0050
MW-34A	3/15/2018	>1000	**0.1510**	0.216	0.157	0.363	<0.10	<0.10	<0.0050	<0.0050
MW-34A	12/17/2019	>1000	**0.0668**	0.0134	0.0626	0.112	**0.085**	<0.010	**0.0897**	0.005
MW-35A	2/24/2010	31.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-35A	6/18/2010	16.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	9/22/2010	54.0	**0.0078**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	12/22/2010	285.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-35A	3/10/2011	96.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	9/27/2011	25.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	12/16/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	4/6/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	7/12/2012	5.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	10/4/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	7/14/2015	30.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35A	3/16/2018	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	2/25/2010	23.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-35B	6/18/2010	7.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	9/22/2010	37.0	**0.018**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	12/22/2010	5.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	3/10/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050

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Table 3.
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CSX Transportation
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Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name										
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-35B	9/27/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	12/16/2011	1.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	4/6/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	7/12/2012	477.0	**0.0086**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	10/4/2012	19.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	7/14/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	3/16/2018	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35B	12/16/2019	14.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0053	<0.0050
MW-35C	2/25/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.305	<0.010	**0.0469**	<0.010
MW-35C	6/18/2010	182.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	9/22/2010	122.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	12/22/2010	438.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	3/10/2011	195.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	9/27/2011	395.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	12/16/2011	226.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	4/6/2012	49.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	7/12/2012	58.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	10/4/2012	319.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	7/14/2015	1000+	<0.0050	<0.0050	<0.0050	<0.015	**0.0103**	<0.010	0.0063	<0.0050
MW-35C	3/16/2018	46.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-35C	12/17/2019	230.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0123	0.0059
MW-36A	2/25/2010	55.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	6/18/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	9/22/2010	17.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	12/20/2010	41.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-36A	3/10/2011	11.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	9/27/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	12/14/2011	16.2	<0.0050	0.012	0.0122	0.0338	<0.010	<0.010	<0.0050	<0.0050
MW-36A	4/6/2012	71.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	7/12/2012	97.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	10/3/2012	203.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	7/14/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-36A	3/28/2018	24.3	<0.0050	0.0103	0.012	0.026	<0.010	<0.010	<0.0050	<0.0050
MW-36A	12/16/2019	13.1	<0.0050	<0.0050	0.0139	0.0191	<0.010	<0.010	0.008	0.0055
MW-36B	2/25/2010	110.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-36B	6/18/2010	49.2	<0.0050	<0.0050	<0.0050	<0.015	0.0109	<0.010	<0.0050	<0.0050
MW-36B	9/22/2010	1.9	<0.0050	0.0175	0.0212	0.055	0.0124	<0.010	<0.0050	<0.0050
MW-36B	12/20/2010	60.1	**0.0074**	0.0657	0.0799	0.2	0.0163	0.0123	<0.0050	<0.0050
MW-36B	3/10/2011	26.5	**0.005**	0.0418	0.0389	0.134	<0.010	<0.010	<0.0050	<0.0050
MW-36B	6/24/2011	--	**0.0133**	0.103	0.102	0.261	0.0203	0.0195	<0.0050	<0.0050
MW-36B	9/27/2011	40.3	**0.0111**	0.0813	0.0833	0.213	<0.010	<0.010	<0.0050	<0.0050
MW-36B	7/14/2015	DNAPL In Well - Did Not Sample			--	--	--	--	--	--
MW-36C	2/25/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.0452	<0.010	**0.0451**	<0.010
MW-36C	6/18/2010	--	**0.0533**	0.139	0.0878	0.266	<0.010	<0.010	<0.0050	<0.0050
MW-36C	9/22/2010	93.4	**0.0662**	0.174	0.0822	0.255	<0.010	<0.010	<0.0050	<0.0050
MW-36C	12/20/2010	53.2	**0.0575**	0.143	0.0742	0.218	<0.010	<0.010	<0.0050	<0.0050
MW-36C	3/10/2011	71.4	**0.0652**	0.165	0.0807	0.248	<0.010	<0.010	<0.0050	<0.0050
MW-36C	6/24/2011	--	**0.0305**	0.0735	0.0321	0.107	<0.010	<0.010	<0.0050	<0.0050
MW-36C	9/27/2011	94.3	**0.0485**	0.134	0.0621	0.193	<0.010	<0.010	<0.020	<0.020
MW-36C	7/14/2015	DNAPL In Well - Did Not Sample			--	--	--	--	--	--
MW-36C	3/28/2018	3.8	**0.0175**	0.075	0.0434	0.163	<0.010	<0.010	<0.0050	<0.0050

ARCADIS Design & Consultancy for natural and built assets

Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-37A	2/25/2010	60.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-37A	6/16/2010	210.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	9/23/2010	111.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	12/17/2010	392.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-37A	3/8/2011	95.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	9/28/2011	609.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	12/16/2011	800.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	4/4/2012	205.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	7/11/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.0342	<0.010	**0.0804**	<0.0050
MW-37A	10/2/2012	>800	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37A	7/15/2015	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0173	<0.010	**0.0199**	<0.0050
MW-37A	3/16/2018	660.0	<0.0050	<0.0050	<0.0050	<0.015	0.0181	<0.010	0.0053	<0.0050
MW-37B	2/25/2010	60.2	**0.0897**	<0.0050	0.0431	0.0159	<0.010	NA	<0.010	NA
MW-37B	6/16/2010	489.0	**0.075**	<0.0050	0.0338	0.0173	<0.010	<0.010	0.0079	<0.0050
MW-37B	9/23/2010	138.0	**0.095**	<0.0050	0.0503	0.0205	<0.010	NA	<0.0050	NA
MW-37B	12/17/2010	146.0	**0.0918**	<0.0050	0.0327	0.0154	<0.010	NA	<0.0050	NA
MW-37B	3/9/2011	49.6	**0.0893**	<0.0050	0.025	0.0158	<0.010	<0.010	<0.0050	<0.0050
MW-37B	6/23/2011	--	**0.0769**	<0.0050	0.0155	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37B	9/28/2011	0.0	**0.0698**	<0.0050	0.0111	<0.015	<0.010	<0.010	0.0072	<0.0050
MW-37B	12/16/2011	>800.0	**0.0803**	<0.0050	0.0076	<0.015	0.0163	<0.010	**0.0244**	<0.0050
MW-37B	4/4/2012	>800.0	**0.0728**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37B	7/11/2012	522.0	**0.0875**	<0.0050	0.0322	<0.015	<0.010	<0.010	0.0082	<0.0050
MW-37B	10/2/2012	494.0	**0.08**	<0.0050	0.0051	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37B	7/15/2015	583.0	**0.0555**	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0089	<0.0050
MW-37B	3/16/2018	512.0	**0.0595**	<0.0050	<0.0050	<0.15	<0.010	<0.010	<0.0050	<0.0050
MW-37C	9/12/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-37C	12/16/2011	44.1	**0.0057**	0.0217	0.0112	0.0372	<0.010	NA	<0.0050	NA
MW-37C	4/4/2012	40.0	**0.0129**	0.0499	0.0218	0.0739	<0.010	<0.010	<0.0050	<0.0050
MW-37C	7/11/2012	21.0	**0.0131**	0.059	0.0265	0.0869	<0.010	<0.010	<0.0050	<0.0050
MW-37C	10/2/2012	15.5	**0.0162**	0.0865	0.0413	0.14	<0.010	NA	<0.0050	NA
MW-37C	7/15/2015	0.0	**0.005**	0.0284	0.0171	0.061	<0.010	<0.010	<0.0050	<0.0050
MW-37C	3/15/2018	53.2	**0.005**	0.005	0.005	0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38A	4/14/2010	903.0	**0.0779**	0.0548	0.0881	0.223	<0.010	<0.010	<0.010	<0.010
MW-38A	6/17/2010	97.1	**0.0753**	0.0329	0.089	0.182	<0.010	NA	<0.0050	NA
MW-38A	9/22/2010	0.4	**0.138**	0.114	0.127	0.289	<0.010	NA	<0.0050	NA
MW-38A	12/17/2010	26.2	**0.108**	0.103	0.123	0.27	<0.010	NA	<0.0050	NA
MW-38A	3/8/2011	0.0	**0.0747**	0.05	0.102	0.22	<0.010	<0.010	<0.0050	<0.0050
MW-38A	6/23/2011	--	**0.0875**	0.0275	0.0912	0.205	<0.010	<0.010	<0.0050	<0.0050
MW-38A	9/28/2011	2.1	**0.145**	0.052	0.14	0.301	<0.010	NA	<0.0050	NA
MW-38A	12/13/2011	26.8	**0.111**	0.0204	0.118	0.248	<0.010	NA	<0.0050	NA
MW-38A	4/5/2012	2.2	**0.117**	0.0127	0.126	0.268	<0.010	<0.010	<0.0050	<0.0050
MW-38A	7/10/2012	0.8	**0.0992**	0.0487	0.126	0.274	<0.010	<0.010	<0.0050	<0.0050
MW-38A	10/3/2012	7.3	**0.11**	0.0139	0.126	0.259	<0.010	NA	<0.0050	NA
MW-38A	7/14/2015	0.0	**0.0699**	<0.010	0.0755	0.0941	<0.010	<0.010	<0.0050	<0.0050
MW-38A	3/13/2018	1.2	**0.0701**	0.0126	0.109	0.224	<0.010	<0.010	<0.0050	<0.0050
MW-38A	12/17/2019	5.1	**0.0643**	<0.0050	0.0815	0.181	<0.010	<0.010	0.0059	0.0063
MW-38B	4/14/2010	19.3	**0.0811**	0.015	0.0682	0.142	<0.010	<0.010	<0.010	<0.010
MW-38B	6/17/2010	6.2	**0.0566**	0.0104	0.045	0.113	0.0105	NA	<0.0050	NA
MW-38B	9/22/2010	0.0	**0.107**	0.0941	0.107	0.238	<0.0050	NA	<0.0050	NA
MW-38B	12/17/2010	7.2	**0.097**	0.0899	0.118	0.257	<0.0050	NA	<0.0050	NA

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Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-38B	3/8/2011	0.0	**0.102**	0.0612	0.119	0.247	<0.010	<0.010	<0.0050	<0.0050
MW-38B	6/23/2011	--	**0.0863**	0.025	0.106	0.23	<0.010	NA	<0.0050	NA
MW-38B	9/28/2011	20.2	**0.114**	0.0345	0.121	0.257	<0.010	NA	<0.0050	NA
MW-38B	12/13/2011	15.5	**0.124**	0.014	0.119	0.283	<0.010	NA	<0.0050	NA
MW-38B	4/5/2012	58.5	**0.114**	0.0125	0.117	0.252	<0.010	<0.010	<0.0050	<0.0050
MW-38B	7/10/2012	0.2	**0.101**	0.0384	0.143	0.318	<0.010	<0.010	<0.0050	<0.0050
MW-38B	10/3/2012	83.7	**0.102**	0.0168	0.104	0.213	<0.010	<0.010	<0.0050	<0.0050
MW-38B	7/14/2015	0.0	**0.0771**	0.0099	0.0823	0.0948	<0.010	<0.010	<0.0050	<0.0050
MW-38B	3/13/2018	1.8	**0.0603**	0.0126	0.1	0.201	<0.010	<0.010	<0.0050	<0.0050
MW-38C	4/14/2010	739.0	<0.0050	<0.0050	<0.0050	<0.015	0.0102	NA	<0.010	NA
MW-38C	6/16/2010	11.6	<0.0050	<0.0050	<0.0050	<0.015	0.0149	NA	<0.0050	NA
MW-38C	9/22/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	12/15/2010	4.3	<0.0050	<0.0050	<0.0050	<0.015	0.0131	NA	<0.0050	NA
MW-38C	3/8/2011	12.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	9/28/2011	58.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	12/13/2011	672.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	4/5/2012	7.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	7/10/2012	30.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	10/3/2012	246.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	7/15/2015	229.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38C	3/13/2018	123.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	4/14/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	**0.0274**	NA	**0.018**	NA
MW-38D	6/17/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	9/22/2010	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	12/15/2010	27.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-38D	3/8/2011	15.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	9/28/2011	32.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	12/13/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-38D	4/5/2012	12.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	7/10/2012	5.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	10/3/2012	21.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	7/15/2015	4.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-38D	3/13/2018	29.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39A	4/14/2010	>1000	*<0.25*	0.54	0.252	<0.75	**0.0482**	NA	**0.0492**	NA
MW-39A	6/17/2010	--	**0.239**	0.457	0.183	0.548	<0.010	<0.010	<0.0050	<0.0050
MW-39A	9/23/2010	60.8	**0.275**	0.493	<0.25	<0.75	<0.010	<0.010	<0.0050	<0.0050
MW-39A	12/21/2010	26.8	**0.216**	0.357	0.147	0.426	<0.010	NA	<0.0050	NA
MW-39A	3/11/2011	81.4	**0.193**	0.394	0.172	0.499	<0.010	<0.010	<0.0050	<0.0050
MW-39A	6/24/2011	--	**0.0906**	0.241E[a]	0.139	0.411	<0.010	<0.010	<0.0050	<0.0050
MW-39A	9/28/2011	50.4	**0.275**	0.463	0.188	0.562	<0.010	<0.010	<0.0050	<0.0050
MW-39B	4/14/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0128	NA	<0.010	NA
MW-39B	6/17/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.045	<0.010	<0.0050	<0.0050
MW-39B	9/23/2010	252.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	12/15/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0052	<0.0050
MW-39B	3/8/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0089	<0.0050
MW-39B	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	9/28/2011	124.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	12/13/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	4/5/2012	378.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	7/12/2012	52.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	10/2/2012	65.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-39B	7/15/2015	11.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-39B	3/14/2018	40.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	4/14/2010	762.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-40A	6/16/2010	47.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	9/23/2010	65.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	3/7/2011	238.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0075	<0.0050
MW-40A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	9/27/2011	380.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	12/14/2011	104.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0057	<0.0050
MW-40A	4/3/2012	23.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40A	7/13/2012	39.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	10/4/2012	89.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	7/16/2015	232.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0083	<0.0050
MW-40A	3/16/2018	22.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40A	12/16/2019	37.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0055	<0.0050
MW-40B	4/14/2010	314.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-40B	6/16/2010	92.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40B	9/23/2010	277.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	12/14/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0094	<0.0050
MW-40B	3/7/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	9/27/2011	93.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	12/14/2011	112.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	4/3/2012	99.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	7/13/2012	22.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40B	10/4/2012	14.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40B	7/16/2015	161.0	<0.0050	<0.0050	<0.0050	<0.015	0.0194	<0.010	<0.0050	<0.0050
MW-40B	3/16/2018	83.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	4/14/2010	21.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.010
MW-40C	6/16/2010	62.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40C	9/23/2010	0.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	12/17/2010	30.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40C	3/7/2011	27.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	9/28/2011	162.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	12/14/2011	12.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40C	4/3/2012	2.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40C	7/13/2012	32.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.0050
MW-40C	10/4/2012	7.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-40C	7/16/2015	232.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.010	<0.0050
MW-40C	3/16/2018	160.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-40C	12/16/2019	13.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0087	0.0061
MW-41A	12/15/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0329	<0.010	**0.0293**	<0.0050
MW-41A	3/8/2011	254.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-41A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	0.0129	NA	0.0122	NA
MW-41A	9/28/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.0106	<0.010	<0.0106	<0.0050
MW-41A	12/13/2011	472.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-41A	4/5/2012	476.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-41A	7/10/2012	244.0	<0.0050	<0.0050	<0.0050	<0.015	0.0223	<0.010	**0.0285**	<0.0050
MW-41A	10/3/2012	280.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-41A	7/15/2015	1.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-41A	3/16/2018	903.0	<0.0050	<0.0050	<0.0050	<0.015	**0.0709**	<0.010	**0.0931**	<0.0050

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Table 3.
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Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-42A	12/15/2010	322.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	3/8/2011	42.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	9/28/2011	64.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	12/13/2011	26.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-42A	4/4/2012	31.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	7/10/2012	30.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	10/2/2012	74.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	7/15/2015	66.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42A	3/14/2018	8.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	12/15/2010	251.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	3/8/2011	139.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-42B	9/28/2011	72.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	12/13/2011	40.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-42B	4/4/2012	69.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	7/10/2012	3.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	10/2/2012	116.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	7/15/2015	30.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-42B	3/14/2018	6.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	12/15/2010	426.0	**0.0517**	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.007	<0.0050
MW-43A	3/8/2011	123.0	**0.0149**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	6/22/2011	--	**0.0226**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	9/28/2011	47.1	**0.0372**	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-43A	12/13/2011	288.0	**0.0282**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	4/5/2012	88.4	**0.0325**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	7/11/2012	46.5	**0.0401**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	10/2/2012	267.0	**0.0278**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	7/17/2015	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-43A	3/14/2018	161.0	**0.0116**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	12/22/2010	94.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	3/10/2011	64.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	6/23/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	9/27/2011	0.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	12/16/2011	151.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	4/6/2012	97.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	7/13/2012	11.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	10/4/2012	2.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	7/14/2015	65.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-44A	3/26/2018	4.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	12/22/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0133	<0.010	**0.0153**	<0.0050
MW-45A	3/10/2011	63.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	6/21/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	9/27/2011	44.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	12/15/2011	416.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	4/4/2012	17.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	7/12/2012	54.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	10/3/2012	136.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	7/14/2015	5.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45A	4/9/2018	41.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45B	12/22/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	**0.0607**	<0.010	**0.0999**	<0.0050
MW-45B	3/10/2011	784.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0081	<0.0050

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-45B	6/21/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0289	<0.010	**0.0468**	<0.0050
MW-45B	9/27/2011	109.0	<0.0050	<0.0050	<0.0050	<0.015	0.0289	<0.010	0.007	<0.0050
MW-45B	12/15/2011	46.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0063	<0.0050
MW-45B	4/4/2012	580.0	<0.0050	<0.0050	<0.0050	<0.015	0.0153	<0.010	**0.0247**	<0.0050
MW-45B	7/13/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.0146	<0.010	0.0146	<0.0050
MW-45B	10/3/2012	>800	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45B	7/14/2015	1000+	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45B	4/9/2018	482.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	12/22/2010	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0196	<0.010	**0.0293**	<0.0050
MW-45C	3/10/2011	138.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	6/22/2011	>1000	<0.0050	<0.0050	0.0077	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	9/27/2011	692.0	<0.0050	<0.0050	0.0081	<0.015	<0.010	<0.010	0.0067	<0.0050
MW-45C	12/15/2011	340.0	<0.010	<0.010	0.0173	<0.030	<0.010	<0.010	<0.0050	<0.0050
MW-45C	4/4/2012	217.0	<0.0050	<0.0050	0.0107	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	7/13/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	0.0303	<0.010	**0.076**	<0.0050
MW-45C	10/3/2012	285.0	<0.0050	<0.0050	0.0056	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	7/14/2015	196.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-45C	4/9/2018	862.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0059	<0.0050
MW-45C	12/16/2019	205.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0109	0.0056
MW-46A	12/22/2010	>1000	**0.0583**	0.09	0.0393	0.116	<0.010	<0.010	<0.0050	<0.0050
MW-46A	3/10/2011	>1000	**0.0458**	0.0726	0.0305	0.0926	<0.010	<0.010	<0.0050	<0.0050
MW-46A	6/22/2011	--	*<0.050*	0.0668	<0.050	<0.15	<0.010	<0.010	<0.0050	<0.0050
MW-46A	9/27/2011	231.0	**0.0462**	0.0608	0.0176	0.0788	<0.010	<0.010	<0.0050	<0.0050
MW-46A	12/15/2011	691.0	**0.077**	0.0605	0.0373	0.121	<0.010	<0.010	<0.0050	<0.0050
MW-46A	4/6/2012	244.0	**0.0615**	0.0411	0.0287	0.0898	<0.010	<0.010	<0.0050	<0.0050
MW-46A	7/11/2012	70.1	**0.0794**	0.0391	0.0406	0.127	<0.010	<0.010	<0.0050	<0.0050
MW-46A	10/2/2012	67.3	**0.0985**	0.0734	0.0499	0.148	<0.010	<0.010	<0.0050	<0.0050
MW-46A	7/15/2015	1000+	**0.0901**	0.054	0.0274	0.0967	<0.010	<0.010	<0.0050	<0.0050
MW-46A	3/16/2018	141.0	**0.0138**	0.0089	0.0093	0.0244	0.0101	<0.010	<0.0050	<0.0050
MW-46A	1/7/2020	--	**0.0489**	0.0227	0.0402	0.104	<0.010	<0.010	0.0092	<0.0050
MW-47A	12/22/2010	482.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0057	<0.0050
MW-47A	3/10/2011	390.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	9/27/2011	362.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	12/14/2011	89.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	4/4/2012	158.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	7/11/2012	327.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0082	<0.0050
MW-47A	10/2/2012	36.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	7/15/2015	216.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	3/28/2018	4.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-47A	12/17/2019	114	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0053	0.0121
MW-48A	1/11/2011	--	**0.0885**	0.197	0.0903	0.25	<0.010	<0.010	<0.0050	<0.0050
MW-48A	6/21/2011	--	**0.264**	0.466	0.169	0.55	<0.010	<0.010	<0.0050	<0.0050
MW-48A	9/26/2011	62.7	**0.186**	0.428	0.125	0.387	<0.010	<0.010	<0.0050	<0.0050
MW-48A	7/13/2015	450.0	**0.0317**	0.1	0.0442	0.158	**0.0156**	**0.0167**	<0.0050	<0.0050
MW-48A	3/12/2018	0.0	**0.164**	0.411	0.163	0.573	**0.02**	0.0247	<0.0050	<0.0050
MW-48B	1/11/2011	419.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-48B	6/21/2011	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-48B	9/26/2011	321.0	**0.0313**	0.0673	<0.025	<0.075	<0.010	<0.010	<0.0050	<0.0050
MW-48B	12/12/2011	37.4	**0.0348**	0.0789	0.0352	0.125	<0.010	<0.010	<0.0050	<0.0050
MW-48B	4/2/2012	39.8	<0.0050	0.0057	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050

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Table 3.
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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-48B	7/9/2012	2.8	**0.0087**	0.017	0.0058	0.0187	<0.010	<0.010	<0.0050	<0.0050
MW-48B	10/1/2012	4.8	**0.0561**	0.113	0.0385	0.126	<0.010	<0.010	<0.0050	<0.0050
MW-48B	7/13/2015	92.0	**0.0078**	0.0111	0.0067	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-48B	3/12/2018	225	**0.0273**	0.0742	0.0285	0.0865	<0.010	<0.010	<0.0050	<0.0050
MW-49A	8/16/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.01	<0.0050
MW-49A	12/14/2011	17.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49A	4/3/2012	5.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49A	7/12/2012	16.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49A	10/4/2012	58.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49A	7/14/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49A	6/13/2017	Abandoned	--	--	--	--	--	--	--	--
MW-49B	8/16/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49B	12/14/2011	51.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49B	4/3/2012	23.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49B	7/12/2012	27.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49B	10/4/2012	107.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49B	7/14/2015	1000+	<0.0050	<0.0050	<0.0050	<0.015	0.0273	<0.010	**0.0541**	<0.0050
MW-49B	6/13/2017	Abandoned	--	--	--	--	--	--	--	--
MW-49C	8/16/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0109	<0.0050
MW-49C	12/14/2011	508.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49C	4/3/2012	262.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49C	7/12/2012	622.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	0.0196	**0.0204**	0.0084
MW-49C	10/4/2012	288.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-49C	7/15/2015	Damaged / Abandoned		--	--	--	--	--	--	--
MW-50A	8/17/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50A	12/15/2011	26.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-50A	4/5/2012	68.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50A	7/9/2012	19.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50A	10/1/2012	137.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50A	7/17/2015	1.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50A	3/26/2018	2.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	8/17/2011	562.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.008	<0.0050
MW-50B	12/15/2011	61.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	4/5/2012	<1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0126	<0.0050
MW-50B	7/9/2012	16.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	10/1/2012	127.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	7/17/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	3/26/2018	1.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-50B	12/16/2019	440	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0093	0.0052
MW-51A	8/17/2011	155.0	**0.106**	0.196	0.0706	0.211	<0.010	<0.010	<0.0050	<0.0050
MW-51A	7/14/2015	DNAPL In Well - Did Not Sample			--	--	--	--	--	--
MW-51B	8/17/2011	197.0	<0.0050	<0.0050	<0.0050	0.017	<0.010	<0.010	<0.0050	<0.0050
MW-51B	12/15/2011	127.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-51B	4/6/2012	68.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-51B	7/12/2012	365.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	**0.016**	<0.0050
MW-51B	10/3/2012	18.8	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-51B	7/14/2015	17.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-51B	3/16/2018	76.2	**0.009**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	8/17/2011	834.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050

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Bloomington, Indiana

Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-52A	12/13/2011	700.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	4/5/2012	385.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	7/12/2012	22.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	10/2/2012	322.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	7/16/2015	65.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-52A	3/16/2018	381	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	9/12/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	12/15/2011	92.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	4/2/2012	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	7/9/2012	60.4	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	10/1/2012	>800	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53A	7/13/2015	625.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	*<0.025*	<0.0050	<0.0050
MW-53A	3/15/2018	531.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53B	9/12/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	**0.252**	<0.010	**0.312**	<0.0050
MW-53B	12/15/2011	>1000	<0.0050	<0.0050	<0.0050	<0.015	**0.549**	<0.010	**0.901**	<0.0050
MW-53B	4/2/2012	>1000	<0.0050	<0.0050	<0.0050	<0.015	**0.101**	<0.010	**0.160**	<0.0050
MW-53B	7/9/2012	428.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53B	10/1/2012	>1000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0073	<0.0050
MW-53B	7/13/2015	352.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-53B	3/15/2018	428.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-54A	5/2/2012	--	**0.18**	0.223	0.0749	0.217	<0.010	<0.010	<0.0050	<0.0050
MW-54B	5/2/2012	499.0	**0.0781**	0.0213	0.0671	0.0635	<0.010	<0.010	<0.0050	<0.0050
MW-54B	7/12/2012	36.3	**0.0949**	0.0357	0.0967	0.12	<0.010	<0.010	<0.0050	<0.0050
MW-54B	10/4/2012	188.0	**0.0894**	0.0149	0.0925	0.114	<0.010	<0.010	<0.0050	<0.0050
MW-54B	7/16/2015	>1000	**0.0765**	0.006	0.0498	0.0489	0.018	<0.010	<0.0050	<0.0050
MW-54B	4/9/2018	203.0	**0.07**	0.0253	0.0777	0.0721	<0.010	<0.010	<0.0050	<0.0050
MW-55A	5/2/2012	>1000	<0.0050	<0.0050	<0.0050	<0.015	0.0147	<0.010	**0.0285**	<0.0050
MW-55A	7/10/2012	739.0	<0.0050	<0.0050	<0.0050	<0.015	0.0153	<0.010	**0.0223**	<0.0050
MW-55A	10/3/2012	46.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	N/A	<0.0050	N/A
MW-55A	7/15/2015	8.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	N/A	<0.0050	N/A
MW-55A	3/13/2018	7.7	<0.0050	<0.0050	<0.0050	<0.015	<0.010	N/A	<0.0050	N/A
MW-55B	5/2/2012	509.0	**0.17**	0.167	0.111	0.248	<0.010	<0.010	<0.0050	<0.0050
MW-55B	7/10/2012	94.4	**0.264**	0.238	0.149	0.321	<0.010	<0.010	<0.0050	<0.0050
MW-55B	10/3/2012	18.5	**0.283**	0.224	0.175	0.346	<0.010	N/A	<0.0050	N/A
MW-55B	7/16/2015	0.0	**0.265**	0.0932	0.158	0.38	<0.010	<0.010	<0.0050	<0.0050
MW-55B	3/13/2018	10.1	**0.0702**	0.022	0.0397	0.0933	<0.010	<0.010	<0.0050	<0.0050
MW-56A	5/2/2012	621.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56A	7/11/2012	24.6	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56A	10/2/2012	41.9	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56A	7/15/2015	0.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56A	3/28/2018	10.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56B	5/2/2012	>1000	**0.0197**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56B	7/11/2012	800.0	**0.0405**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56B	10/2/2012	17.4	**0.0426**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56B	7/15/2015	0.0	**0.0277**	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-56B	3/28/2018	6.1	**0.0484**	<0.0050	0.0116	0.0234	<0.010	<0.010	<0.0050	<0.0050
MW-OW1	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA

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Chemical Name		Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
Location ID	Sample Date									
MW-OW1	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW1	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW1	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW1	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW1	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW1	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-OW1	10/1/2003	--	NA	NA	NA	NA	0.015	<0.0050	**0.025**	<0.0050
MW-OW1	10/30/2003	--	<0.001	<0.002	0.001	0.002	NA	NA	NA	NA
MW-OW1	2/17/2004	--	<0.001	<0.002	0.002	0.0045 J	0.009	<0.0050	**0.034**	<0.0050
MW-OW1	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-OW1	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW1	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW1	11/19/2008	8.2	<0.001	0.00038 J	0.0018	0.0033	<0.010	NA	<0.010	NA
MW-OW1	12/11/2009	32.1	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-OW1	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	NA	<0.010	NA	<0.0050
MW-OW1	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	0.0279	<0.010	<0.0050	<0.0050
MW-OW1	3/22/2018	13.9	<0.0050	<0.0050	<0.0050	<0.015	0.0279	<0.010	<0.0050	<0.0050
MW-OW2	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	12/28/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW2	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-OW2	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-OW2	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-OW2	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-OW2	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW2	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW2	11/19/2008	9.0	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-OW2	12/10/2009	68.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-OW2	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	NA	<0.010	NA	<0.0050
MW-OW2	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0074	<0.0050
MW-OW2	3/22/2018	3.2	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-OW3	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-OW3	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-OW3	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-OW3	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	**0.063**	<0.0050	**0.056**	<0.0050
MW-OW3	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	0.027	NA	<0.0050	NA
MW-OW3	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW3	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-OW3	11/19/2008	11.1	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-OW3	12/10/2009	37.5	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-OW3	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	NA	<0.010	NA	<0.0050
MW-OW3	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	**0.0646**	<0.010	**0.0245**	<0.0050
MW-OW3	3/22/2018	14.3	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P1	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA

ARCADIS Design & Consultancy for natural and built assets

Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name										
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-P1	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	8/12/2003	--	**0.006**	0.015	0.034	0.048	NA	NA	NA	NA
MW-P1	10/30/2003	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P1	11/6/2003	--	0.002	0.003	0.012	0.019	NA	NA	NA	NA
MW-P1	2/18/2004	--	0.004	0.005	0.019	0.026	0.006	<0.0050	**0.028**	<0.0050
MW-P1	9/10/2004	--	0.005	0.006	0.019	0.022	<0.0050	NA	<0.0050	NA
MW-P1	8/1/2006	--	**0.009**	0.005	0.025	0.020	NA	NA	NA	NA
MW-P1	7/24/2007	--	Well abandoned August 2006 in preparation for Creek Liner Installation in August 2007							
MW-P2	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P2	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-P2	10/1/2003	--	NA	NA	NA	NA	0.011	<0.0050	<0.0050	<0.0050
MW-P2	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-P2	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	0.005	<0.0050	0.013	<0.0050
MW-P2	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	<0.0050	NA
MW-P2	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P2	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P2	11/20/2008	--	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-P2	12/10/2009	573.0	<0.0050	<0.0050	<0.0050	<0.015	**0.0811**	NA	**0.035**	NA
MW-P2	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-P2	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	0.048	<0.010	**0.021**	<0.0050
MW-P2	3/26/2018		<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P3	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P3	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P3	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P3	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P3	8/11/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-P3	10/1/2003	--	NA	NA	NA	NA	<0.0050	<0.0050	**0.021**	<0.0050
MW-P3	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-P3	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.013	<0.0050
MW-P3	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-P3	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P3	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P3	11/19/2008	--	<0.001	<0.001	<0.001	<0.003	<0.010	NA	<0.010	NA
MW-P3	12/10/2009	513.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	**0.0255**	NA
MW-P3	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P3	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation							
MW-P4	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	8/4/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P4	8/11/2003	--	<0.001	0.001	0.003	0.003	NA	NA	NA	NA
MW-P4	10/1/2003	--	NA	NA	NA	NA	<0.0050	<0.0050	0.009	<0.0050
MW-P4	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA

ARCADIS Design & Consultancy for natural and built assets

Table 3.
Groundwater BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Turbidity (NTU)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic, Total	Arsenic, Dissolved	Lead, Total	Lead, Dissolved
Chemical Name	Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.005	0.70	1.00	10.00	0.050	0.050	0.015 **	0.015 **
1996 VRP Tier II Non-Residential		--	0.099	10.20	20.40	204.00	0.050	0.050	0.015 **	0.015 **
MW-P4	2/18/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	0.006	<0.0050
MW-P4	9/9/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	NA	< 0.01	NA
MW-P4	8/1/2006	--	<0.001	<0.001	0.00055 J	<0.003	NA	NA	NA	NA
MW-P4	7/24/2007	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P4	11/19/2008	--	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-P4	12/9/2009	393.0	<0.0050	<0.0050	<0.0050	<0.015	0.014	NA	**0.0514**	NA
MW-P4	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P4	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	0.0172	<0.010	**0.0384**	<0.0050
MW-P4	3/22/2018	--	<0.0050	<0.0050	<0.0050	<0.015	NA	NA	NA	NA
MW-P4	4/18/2018	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	**0.016**	<0.0050
MW-P4	12/16/2019	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	0.0082	0.0075
MW-P5	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	8/4/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P5	10/1/2003	--	NA	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
MW-P5	10/30/2003	--	<0.001	<0.002	<0.002	<0.006	NA	NA	NA	NA
MW-P5	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-P5	11/19/2008	--	<0.001	<0.001	<0.001	<0.003	<0.020	NA	<0.010	NA
MW-P5	12/9/2009	182.0	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.010	NA
MW-P5	11/10/2011	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P5	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.015	<0.010	<0.010	<0.0050	<0.0050
MW-P5	3/22/2018	2.000	<0.0050	<0.0050	<0.0050	<0.015	<0.010	NA	<0.0050	NA
MW-P6	5/18/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	8/14/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	11/13/2000	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	2/1/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	6/21/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	12/11/2001	--	NA	NA	NA	NA	NA	NA	NA	NA
MW-P6	8/11/2003	--	0.001	<0.002	0.076	<0.006	NA	NA	NA	NA
MW-P6	10/30/2003	--	0.002	<0.002	0.001	0.002	NA	NA	NA	NA
MW-P6	2/17/2004	--	<0.001	<0.002	<0.002	<0.006	<0.0050	<0.0050	<0.0050	<0.0050
MW-P6	9/10/2004	--	<.001	<.002	<.002	<.006	<0.0050	NA	<0.0050	NA
MW-P6	8/1/2006	--	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA
MW-P6	7/24/2007	--	Well abandoned August 2006 in preparation for Creek Liner Installation in August 2007							
RW-1	7/15/2015	14.2	**0.0214**	0.0899	0.0685	0.1890	<0.010	<0.010	<0.0050	<0.0050
RW-4	4/15/2010	75.1	**0.407**	0.559	0.200	0.574	<0.010	<0.010	<0.010	<0.010
RW-5	4/15/2010	364.0	**0.236**	**0.465**	0.185	0.565	<0.010	<0.010	<0.010	<0.010
RW-6	4/15/2010	218.0	**0.194**	**0.324**	0.124	0.346	<0.010	<0.010	<0.010	<0.010

0.68	BOLD - Concentration exceeds 1996 IDEM VRP Tier II Default Residential Closure Levels.
770	BOLD/SHADE - Concentration exceeds 1996 IDEM VRP Tier II Default Non-residential (Industrial) Closure Levels
<	Analyte not detected above the laboratory's Run Detection Limit, displayed as ND (Non-detect) in laboratory analytical data packages.
<0.050	*Italics* - Analyte not detected above the labortory's Run Detection Limit, however Detection Limit is above VRP Closure Levels
NA	Not Analyzed
**	Lead closure levels are from the January 26, 1996 IDEM Non-rule Policy (ID# W-0048), *Guidance for Lead cleanup levels for Voluntary Remediation Program* Tier II sites.

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-1S	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.1**	**0.18**	<0.010	*<0.050*	0.34	<0.010	0.07	**0.051**	**0.022**	**0.022**	0.0082	**0.025**	**0.049**	**<0.010**	**0.27**	0.25	**0.0088**	<0.010	0.23	**0.55**	0.22
MW-1S	8/4/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.07**	**0.21**	*<0.010*	*<0.050*	0.5	<0.010	0.084	**0.074**	**0.034**	**0.03**	0.012	**0.031**	**0.077**	*<0.010*	**0.3**	0.26	**0.013**	<0.010	0.0068	**1**	0.29
MW-1S	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.013	**0.068**	*<0.010*	*<0.050*	0.11	<0.010	0.019	**0.021**	**0.0086**	**0.0096**	<0.010	**0.0076**	**0.017**	*<0.010*	0.12	0.084	*<0.010*	<0.010	<0.010	**0.2**	0.092
MW-1S	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.035	**0.089**	*<0.010*	*<0.050*	0.17	<0.010	0.02	**0.019**	**0.0099**	**0.012**	<0.010	**0.0082**	**0.021**	*<0.010*	0.11	0.11	*<0.010*	<0.010	0.078	**0.19**	0.079
MW-1S	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.11**	**0.3**	*<0.010*	*<0.050*	0.54	<0.010	0.058	**0.081**	**0.034**	**0.035**	0.01	**0.031**	**0.065**	*<0.010*	**0.45**	0.31	**0.012**	<0.010	0.27	**0.91**	0.34
MW-1S	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	**0.025**	*<0.010*	*<0.050*	0.055	<0.010	0.0049	**0.0053**	*<0.010*	*<0.010*	<0.010	*<0.010*	**0.0067**	*<0.010*	0.036	0.026	*<0.010*	<0.010	0.095	**0.052**	0.026
MW-1S	8/11/2003	--	<0.022	<0.022	<0.022	<0.022	<0.022	*<0.022*	<0.022	**0.104**	**0.676**	*<0.022*	*<0.110*	1.07	*<0.11*	0.334	**0.403**	**0.209**	**0.299**	0.0795	**0.103**	**0.34**	**0.0203**	**2.35**	0.947	**0.0991**	<0.110	0.0932	**3.49**	**1.31**
MW-1S	10/29/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0163	**0.123**	<0.005	*<0.020*	0.213	<0.020	0.0635	**0.0726**	**0.0401**	**0.0446**	0.0192	**0.0287**	**0.0673**	**0.0039**	**0.384**	0.185	**0.0227**	<0.020	0.0358	**0.614**	0.266
MW-1S	2/17/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0071	0.001	<0.0051	**0.0086**	0.0265	0.0026 J	0.0029 J	**0.0035**	**0.0067**	**0.0073**	0.0067	**0.0039**	**0.0102**	**0.00088**	0.0091	0.0099	**0.0069**	0.0014 J	0.104	0.0092	0.0059
MW-1S	9/9/2004	--	<0.0048	<0.0048	<0.0048	0.0136	<0.0048	<0.0048	<0.0048	**0.0596**	**0.0933**	<0.0048	*< 0.0095*	0.165	0.0083 J	0.0226	**0.0218**	**0.0273**	**0.0274**	0.0181	**0.0155**	**0.0364**	**0.0038**	0.0853	0.0954	**0.0211**	< 0.0095	0.0031 J	**0.143**	0.0535
MW-1S	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0079	**0.0799**	<0.005	*<0.008*	0.203	<0.008	0.0041 J	*<0.0010*	*<0.0010*	*<0.0010*	<0.0010	*<0.0010*	*<0.0010*	*<0.0010*	0.0167	0.089	*<0.0010*	0.0107	0.0184	**0.0572**	0.008
MW-1S	11/19/2008	7.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	0.00010 J	**0.00027**	**0.00032**	0.00025	0.000096 J	**0.00056**	<0.00019	<0.00097	<0.00097	0.00028	<0.00097	<0.00097	<0.00097	<0.00097
MW-1S	12/10/2009	97.2	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	**0.00021**	**0.0008**	**0.0011**	0.00097	**0.00028**	**0.00070**	<0.00019	<0.00097	<0.00097	**0.00098**	<0.00097	<0.00097	<0.00097	<0.00097
MW-1S	12/9/2011	--	Well damaged beyond repair during City Utility Upgrade and was abandoned 12/9/2011																											
MW-1D	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.15**	**0.19**	*<0.010*	**0.0086**	0.52	<0.010	0.018	**0.0053**	*<0.010*	*<0.010*	<0.010	*<0.010*	**0.0051**	*<0.010*	0.058	0.21	*<0.010*	**0.14**	**3.4**	**0.18**	0.045
MW-1D	8/4/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.15**	**0.17**	*<0.010*	**0.015**	0.35	<0.010	0.012	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.038	0.17	*<0.010*	**0.16**	**3.2**	**0.16**	0.025
MW-1D	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.18**	**0.19**	*<0.010*	*<0.050*	0.35	<0.010	0.015	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.037	0.18	*<0.010*	**0.17**	**2.6**	**0.16**	0.024
MW-1D	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.17**	**0.19**	*<0.010*	*<0.050*	0.49	<0.010	0.014	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.035	0.2	*<0.010*	**0.2**	**3**	**0.16**	0.022
MW-1D	6/21/2001	--	NA	NA	<0.050	NA	<0.050	*<0.050*	<0.050	**0.15**	**0.19**	*<0.050*	*<0.25*	0.49	<0.050	<0.050	*<0.050*	*<0.050*	*<0.050*	<0.050	*<0.050*	*<0.050*	*<0.050*	<0.050	0.19	*<0.050*	**0.1**	**2.4**	**0.14**	<0.050
MW-1D	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.14**	**0.18**	*<0.010*	*<0.050*	0.34	<0.010	0.0071	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.029	0.15	*<0.010*	**0.044**	**2**	**0.13**	0.016
MW-1D	8/11/2003	--	<0.020	<0.020	<0.020	<.002	<0.020	*<0.020*	<0.020	**0.152**	**0.225**	*<0.020*	**0.0094**	0.485	<0.010	0.0133	**0.0031**	**0.0014**	**0.0021**	<0.002	*<0.002*	**0.0027**	*<0.002*	0.05	0.205	*<0.002*	**0.151**	**3.02**	**0.179**	0.0246
MW-1D	10/29/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.168**	**0.207**	<0.005	*<0.02*	0.474	<0.020	0.189	**0.0038**	*<0.004*	*<0.004*	<0.004	*<0.004*	**0.003**	*<0.004*	0.0602	0.224	*<0.004*	**0.162**	**2.68**	**0.189**	0.0351
MW-1D	2/17/2004	--	<0.021	<0.021	<0.021	<0.021	<0.021	*<0.021*	<0.021	**0.14**	**0.202**	*<0.021*	*<0.021*	0.471	<0.021	0.015 J	**0.0033 J**	*<0.0042*	*<0.0042*	<0.0042	*<0.0042*	**0.0026 J**	*<0.0042*	0.0516	0.223	*<0.0042*	**0.155**	**2.78**	**0.201**	0.0289
MW-1D	9/9/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0204	**0.0371**	<0.0051	*<0.0041*	0.0669	<0.0041	.0028 J	*<0.00082*	*<0.00082*	*<0.00082*	<0.00082	*<0.00082*	*<0.00082*	*<0.00082*	0.0059	0.0336	*<0.00082*	0.0116	0.229	**0.0264**	0.0031 J
MW-1D	8/1/2006	--	<0.053	<0.053	<0.053	<0.053	<0.053	<0.0053	<0.053	<0.0053	0.0012 J	<0.0053	0.00032 J	0.0086	0.0016	0.0018	**0.0012**	**0.0031**	**0.003**	0.0032	**0.0015**	**0.0035**	**0.00054**	0.0029	0.0013	**0.0036**	<0.0010	0.00047 J	0.0038	0.0018
MW-1D	7/24/2007	--	<0.05	<0.05	<0.05	<0.05	<0.05	*<0.05*	<0.05	**0.12**	**0.172**	*<0.05*	*< 0.038*	0.367	< 0.038	< 0.038	*<0.0077*	*<0.0077*	*<0.0077*	<0.0077	*<0.0077*	*<0.0077*	*<0.0077*	0.038	0.176	*<0.0077*	**0.103**	1.09	**0.122**	0.02 J
MW-1D	11/19/2008	2.6	<0.024	<0.024	<0.024	<0.024	<0.024	*<0.024*	<0.024	**0.167**	**0.167**	<0.024	*<0.019*	0.314	<0.019	<0.019	*<0.0039*	*<0.0039*	*<0.0039*	<0.0039	*<0.0039*	*<0.0039*	*<0.0039*	0.0188 J	0.138	*<0.0039*	**0.0672**	**1.17**	**0.139**	0.0093 J
MW-1D	12/9/2009	0.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.147**	**0.174**	*<0.050*	*<0.020*	0.346	<0.020	<0.020	*<0.0040*	*<0.0040*	*<0.0040*	<0.0040	*<0.0040*	*<0.0040*	*<0.0040*	<0.020	0.148	*<0.0040*	**0.0673**	**1.24**	**0.112**	<0.020
MW-1D	12/14/2010	20.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.107**	**0.142**	<0.0048	*<0.019*	0.317	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	0.0251	0.154	*<0.0038*	**0.0622**	0.699	**0.127**	<0.019
MW-1D	12/14/2011	13.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0381**	**0.136**	<0.0048	*<0.019*	0.312	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	0.0268	0.142	*<0.0038*	**0.044**	0.76	**0.0809**	<0.019
MW-1D	7/16/2015	8.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0711**	**0.0965**	<0.0050	*<0.010*	0.216	<0.010	<0.010	*<0.0020*	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	*<0.0020*	*<0.0020*	0.0234	0.116	*<0.0020*	<0.010	0.0803	**0.0574**	0.0146
MW-1D	3/15/2018	218	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	**0.129**	**0.212**	<0.024	*<0.019*	0.434	<0.019	0.0304	**0.0115**	**0.0048**	**0.0051**	<0.0038	**0.0042**	**0.0091**	**<0.0038**	0.0808	0.236	***<0.0038***	<0.019	0.166	**0.175**	0.0661
MW-1D	12/16/2019	49.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0503**	**0.137**	<0.0050	*<0.010*	0.287	0.0023	0.0097	**0.00055**	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	**0.00031**	*<0.0020*	0.0265	NA	*<0.0020*	<0.010	0.0062	**0.0274**	0.0172
MW-2S	5/18/2000	--	NA	NA	<0.018	NA	<0.018	*<0.018*	<0.018	<0.018	*<0.018*	*<0.018*	*< 0.091*	<0.018	<0.018	<0.018	*<0.018*	*<0.018*	*<0.018*	<0.018	*<0.018*	*<0.018*	*<0.018*	<0.018	<0.018	*<0.018*	<0.018	<0.018	<0.018	<0.018
MW-2S	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2S	2/26/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2S	6/21/2001	--	NA	NA	<0.014	NA	<0.014	*<0.014*	<0.014	<0.014	<0.014	*<0.014*	*< 0.072*	<0.014	<0.014	<0.014	*<0.014*	*<0.014*	*<0.014*	<0.014	*<0.014*	*<0.014*	*<0.014*	<0.014	<0.014	*<0.014*	<0.014	<0.014	<0.014	<0.014
MW-2S	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2S	10/30/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2S	2/17/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2S	11/20/2008	--	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2S	12/9/2009	214.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	**0.00028**	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-2S	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-2S	11/29/2011	86.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0057**	<0.00097	<0.00097	<0.00097	**0.00081**	**0.00072**	**0.0011**	0.00038	**0.00039**	**0.00083**	<0.00019	0.0011	<0.00097	**0.00051**	<0.00097	<0.00097	<0.00097	0.001
MW-2S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-2D	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2D	8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	0.012	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.01	<0.010	*<0.010*	<0.010	<0.010	<0.010	0.012
MW-2D	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2D	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2D	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2D	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-2D	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.0017	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2D	10/30/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.0093	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	*<0.00020*	*<0.00020*	<0.00020	0.00085	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	0.00051
MW-2D	2/17/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2D	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0025	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-2D	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.002	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-2D	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0022	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-2D	11/19/2008	28.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0035	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-2D	12/10/2009	9.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0085	<.00095	<.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-2D	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0015	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-2D	11/29/2011	2.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.004	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0073	<0.00096	<0.00096
MW-2D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-3S	5/18/2000	--	NA	NA	0.017	NA	0.0065	<0.010	<0.010	**0.27**	**0.56**	*<0.010*	**0.0078**	0.79	0.023	0.12	**0.16**	**0.092**	**0.092**	0.036	**0.092**	**0.14**	**0.0054**	**0.59**	0.57	**0.039**	**0.96**	**12.00**	**1.00**	*< 1.0*
MW-3S	8/11/2003	--	*<5.0*	*<5.0*	<5.0	<5.0	<5.0	*<5.0*	<5.0	**31**	**288**	*<5.0*	*<25.0*	**288**	*<25.0*	**83**	**63**	**35.60**	**48.40**	13	**16.90**	**51.50**	**4.37**	**323**	**282**	**17**	**346**	**1,160**	**723**	**174**
MW-3S	10/30/2003	--	<0.053	0.138	0.0664	0.0405	<0.053	*<0.053*	<0.053	**0.31**	**0.544**	*<0.053*	*<0.110*	0.768	*<0.110*	0.117	**0.0674**	**0.036**	**0.0374**	0.0128	**0.0312**	**0.0586**	*<0.021*	**0.352**	0.567	**0.0157**	**1.23**	**14.90**	**0.934**	0.222
MW-3S	2/18/2004	--	<0.053	0.0443 J	<0.053	<0.053	<0.053	*<0.053*	<0.053	**0.184**	**0.332**	*<0.053*	*<0.043*	0.53	<0.043	0.0421 J	**0.0263**	**0.0194**	**0.0208**	0.0084 J	**0.0178**	**0.0258**	*<0.0085*	0.149	0.331	**0.0093**	**0.369**	**9.27**	**0.438**	0.092
MW-3S	9/10/2004	--	<.051	0.269	0.138	0.0972	0.0212	*<0.051*	<0.051	**0.316**	**0.385**	*<0.051*	*<0.041*	0.489	<0.041	0.0288	**0.0079**	**0.0042**	**0.0046**	<0.0084	*<0.0082*	**0.0061**	*<0.0082*	0.057	0.294	**0.0059**	**0.521**	**7.44**	**0.304**	0.0319
MW-3S	8/1/2006	--	<0.1	0.158	0.0715 J	0.0638 J	<0.1	*<0.1*	<0.1	**0.231**	**0.413**	*<0.1*	*<0.2*	0.523	*<0.2*	<0.2	**0.0288 J**	*<0.04*	**0.0154 J**	<0.04	*<0.04*	**0.0232 J**	*<0.04*	0.151 J	0.352	*<0.04*	**0.383**	**7.1**	**0.513**	0.0911 J
MW-3S	7/24/2007	--	Well abandoned in August 2006 for City walk path construction in October 2006																											
MW-3D	5/18/2000	--	NA	NA	1.2	NA	1.4	<0.010	<0.010	**0.34**	**0.21**	*<0.010*	*<5.0*	0.32	0.015	0.018	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.011	0.18	*<0.010*	**0.66**	**11.00**	**0.13**	0.0075
MW-3D	8/14/2000	--	NA	NA	**1.6**	NA	2.4	*<0.500*	*<0.500*	**0.52**	**0.47**	*<0.500*	**0.59**	0.67	*<0.500*	<0.500	*<0.500*	*<0.500*	*<0.500*	<0.500	*<0.500*	*<0.500*	*<0.500*	*<0.500*	<0.500	*<0.500*	**1.1**	**13.00**	**0.46**	<0.500
MW-3D	11/13/2000	--	NA	NA	1	NA	1.3	*<0.500*	*<0.500*	**0.31**	**0.31**	*<0.500*	**0.45**	0.43	*<0.500*	<0.500	*<0.500*	*<0.500*	*<0.500*	<0.500	*<0.500*	*<0.500*	*<0.500*	*<0.500*	<0.500	*<0.500*	**0.71**	**9.50**	**0.36**	<0.500
MW-3D	2/1/2001	--	NA	NA	0.56	NA	0.6	*<0.100*	<0.100	**0.28**	**0.26**	*<0.100*	**0.31**	0.35	*<0.100*	<0.100	*<0.100*	*<0.100*	*<0.100*	<0.100	*<0.100*	*<0.100*	*<0.100*	<0.100	0.2	*<0.100*	**0.79**	**9.10**	**0.18**	<0.100
MW-3D	6/21/2001	--	NA	NA	0.88	NA	0.98	0.0052	<0.010	*< 1.0*	*< 1.0*	*<0.010*	*<5.0*	< 1.0	0.02	0.036	**0.011**	**0.0053**	<0.010	<0.010	*<0.010*	*0.0088*	*<0.010*	0.071	< 1.0	*<0.010*	**0.67**	**11.00**	*< 1.0*	0.056
MW-3D	12/11/2001	--	NA	NA	1	NA	1.2	*<0.050*	<0.050	**0.36**	**0.26**	*<0.050*	**0.45**	0.41	<0.050	0.018	*<0.050*	*<0.050*	*<0.050*	<0.050	*<0.050*	*<0.050*	*<0.050*	0.0026	0.17	*<0.050*	**0.61**	**9.40**	**0.17**	0.018
MW-3D	8/11/2003	--	*<0.240*	**1.8**	1.18	1.12	0.689	*<0.240*	*<0.240*	**1.96**	**7.06**	<0.240	**1.45**	**8.59**	*< 1.200*	2.51	**2.07**	**1.1**	**1.550**	0.403	**0.523**	**1.54**	**0.121**	**10.70**	**8.57**	**0.506**	**9.63**	**40.50**	**22**	**5.97**
MW-3D	10/30/2003	--	<0.052	**0.827**	0.562	0.42	0.344	*<0.052*	<0.052	**0.58**	**1.73**	*<0.052*	**0.698**	**2.05**	**0.139**	0.467	**0.394**	**0.203**	**0.229**	0.0686	**0.15**	**0.308**	**0.0198**	**1.86**	**1.8**	**0.0854**	**2.56**	**17.30**	**3.96**	**1.31**
MW-3D	2/18/2004	--	*<0.110*	**0.811**	0.446	0.315	0.21	*<0.110*	*<0.110*	**1.03**	**4.62**	*<0.110*	**0.416**	**6.31**	**0.44**	1.7	**1.49**	**0.752**	**0.748**	0.268	**0.66**	**1.2**	**0.0704**	**7.18**	**5.71**	**0.327**	**7.02**	**34.20**	**16**	**4.73**
MW-3D	9/10//2004	--	*<0.019*	**1.17**	0.68	0.489	0.354	*<0.19*	*<0.19*	**1.13**	**4.03**	*<0.19*	**0.61**	**4.19**	**0.348**	1.33	**1.17**	**0.618**	**0.607**	0.22	**0.468**	**0.829**	**0.0576**	**4.79**	**4.21**	**0.272**	**5.93**	**25.60**	**11**	**3.16**
MW-3D	8/2/2006	--	< 0.08	**1.053**	0.862	0.927	0.437	*< 0.08*	< 0.08	**0.296**	**0.248**	*< 0.08*	**0.776**	0.35	< 0.08	< 0.08	**0.0149 J**	**0.008 J**	**0.0082 J**	<0.016	*<0.016*	**0.0123 J**	**<0.016**	0.082	0.206	*<0.016*	**0.546**	**6.11**	**0.252**	0.0518 J
MW-3D	7/24/2007	--	Well abandoned in August 2006 for City walk path construction in October 2006																											
MW-4S	8/12/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	**0.00053**	**0.001**	**0.0019**	0.0009	**0.00059**	**0.00069**	0.00019	0.00087	<0.0010	**0.001**	<0.0010	<0.0010	<0.0010	0.00081
MW-4S	10/31/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0010*	<0.0010	<0.0010	<0.0010	**0.00021**	**0.00045**	**0.00067**	0.00043	**0.00037**	**0.00031**	<0.00020	0.0003	<0.0010	**0.00047**	<0.0010	0.00059	<0.0010	0.00034
MW-4S	2/19/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	0.00036 J	**0.00011 J**	0.00018 J	**0.00027**	0.00016 J	0.0002	0.0002	<0.00020	<0.0010	<0.0010	0.00018 J	<0.0010	<0.0010	<0.0010	<0.0010
MW-4S	8/2/2006	--	Well obstructed, unable to collect sample																											
MW-4S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-4D	8/12/2003	--	<0.050	0.472	0.0207	<0.050	<0.050	*<0.050*	<0.050	**0.15**	**0.091**	*<0.050*	*<0.020*	0.191	<0.020	0.0055	*<0.004*	*<0.004*	*<0.004*	<0.004	*<0.004*	*<0.004*	*<0.004*	0.0083	0.0939	*<0.004*	**0.0534**	**2.86**	**0.0661**	<0.020
MW-4D	10/31/2003	--	<0.020	0.483	0.0866	0.0835	0.0189	*<0.020*	<0.020	**0.146**	**0.0951**	*<0.020*	*<0.020*	0.189	<0.020	<0.020	*<0.004*	*<0.004*	*<0.004*	<0.004	*<0.004*	*<0.004*	*<0.004*	0.0058	0.0977	*<0.004*	**0.0745**	**2.39**	**0.0657**	<0.020
MW-4D	2/19/2004	--	<0.021	0.36	0.0544	0.018 J	0.009 J	*<0.021*	<0.021	**0.174**	**0.0634**	*<0.021*	*<0.0041*	0.148	0.0047	0.0094	*<0.00082*	*<0.00082*	*<0.00082*	<0.00082	*<0.00082*	*<0.00082*	*<0.00082*	0.0092	0.0856	*<0.00082*	0.0107	0.262	**0.042**	0.0055
MW-4D	9/9/2004	--	**0.712**	<0.053	0.103	0.0653	<0.021	*<0.021*	<0.021	**0.21**	**0.112**	*<0.021*	*<0.011*	0.186	0.0114	0.0077 J	*<0.0021*	*<0.0021*	*<0.0021*	<0.0021	*<0.0021*	*<0.0021*	<0.0021	0.0058 J	0.101	<0.0021	<0.011	**1.7**	**0.051**	0.0031 J
MW-4D	8/2/2006	--	<0.020	0.483	0.148	<0.020	<0.020	*<0.020*	<0.020	**0.145**	**0.0906**	*<0.020*	*<0.039*	<0.184	<0.039	<0.039	*< 0.0078*	*< 0.0078*	*< 0.0078*	< 0.0078	*< 0.0078*	*< 0.0078*	*< 0.0078*	<0.039	0.0899	*< 0.0078*	**0.0525**	**1.52**	**0.0571**	<0.039
MW-4D	7/24/2007	--	<0.049	0.633	0.130	0.0324 J	<0.049	*<0.049*	<0.049	**0.195**	**0.102**	*<0.049*	*<0.049*	0.175	<0.049	<0.049	*< 0.0097*	*< 0.0097*	*< 0.0097*	< 0.0097	*< 0.0097*	*< 0.0097*	*< 0.0097*	<0.049	0.103	*< 0.0097*	**0.0414 J**	**1.55**	**0.758**	<0.049
MW-4D	11/17/2008	18.5	<0.0048	0.208	0.0179	0.0232	0.0039 J	<0.0048	<0.0048	**0.0631**	**0.0275**	<0.0048	*<0.00095*	0.0408	0.0029	0.0029	0.000054 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0055 B	0.0242	<0.00019	0.0089	0.017	**0.0258**	0.0032
MW-4D	12/16/2009	--	<0.0048	0.116	0.0068	<0.0048	<0.0048	<0.0048	<0.0048	**0.0527**	**0.035**	<0.0048	*<0.0095*	0.0661	<0.0095	<0.0095	*<0.00109*	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.0095	0.0346	<0.00109	<0.0095	0.268	**0.0233**	<0.0095
MW-4D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-5S	8/12/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	0.00014	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-5S	10/31/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-5S	2/19/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-5S	9/9/2004	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00036 J	<0.00097	0.00013 J	<0.00097	0.00027 J	0.00065 J	0.00025 J
MW-5S	8/2/2006	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-5S	7/24/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-5S	11/17/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-5S	12/16/2009	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-5S	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0012	<0.00098	<0.00908
MW-5S	7/12/2012	56.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-5S	7/15/2015	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-5S	3/13/2018	163.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0014	<0.00099	<0.00099
MW-5D	8/12/2003	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-5D	10/31/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.00093	<0.0010	<0.0010
MW-5D	2/19/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-5D	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00042 J	0.00024 J	<0.00019	<0.00096	0.00028 J	0.00075 J	0.00028 J
MW-5D	8/2/2006	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-5D	7/24/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.00033 J	<0.0010	<0.0010
MW-5D	11/17/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-5D	12/16/2009	90.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.004	<0.00095	<0.00095
MW-5D	12/16/2010	390.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.001	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	0.0016	0.0105	<0.0010	<0.0010
MW-5D	12/16/2011	59.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0016	<0.00095	<0.00095
MW-5D	7/16/2015	241.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0068	<0.0010	<0.0010
MW-5D	3/12/2018	87.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0019	<0.0019	<0.0019	<0.0019	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	<0.0019	<0.0019	<0.00038	<0.0019	0.0661	<0.0019	<0.0019
MW-5D	12/17/2019	58.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0033	<0.00095	<0.00095
MW-6S	2/19/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	**0.00017 J**	**0.00024**	**0.00033**	0.00014 J	**0.00023**	**0.00022**	<0.00020	<0.0010	<0.0010	0.00019 J	<0.0010	<0.0010	<0.0010	<0.0010
MW-6S	11/17/2008	--	Insufficient water supply to collect sample																											
MW-6S	12/16/2009	62.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0083	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	**0.00022**	**0.00039**	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-6S	6/22/2011	--	Insufficient water supply to collect sample																											
MW-6S	7/15/2015	521.0	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-6S	4/9/2018	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-6D	8/14/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-6D	10/31/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-6D	2/19/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-6D	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00019**	<0.00019	0.000096 J	<0.00019	<0.00019	0.00014 J	<0.00019	0.00089 J	0.00054 J	0.00013 J	0.00025 J	0.00050 J	0.0017	0.00059 J
MW-6D	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.001	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-6D	7/24/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-6D	11/17/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-6D	12/16/2009	335.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	0.001	0.0062	<0.0010	<0.0010
MW-6D	6/24/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0037	<0.00098	<0.00098
MW-6D	7/12/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0017	<0.00095	<0.00095
MW-6D	7/15/2015	>1000	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	0.001	0.0064	<0.0010	<0.0010
MW-6D	3/14/2018	212	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0059	<0.0048	<0.0048	<0.00096	0.0045	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.001	0.0052	<0.00019	<0.00096	<0.00096	0.0043	<0.00096
MW-7S	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7S	8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7S	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010	<0.010
MW-7S	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010	<0.010
MW-7S	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010	<0.010
MW-7S	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010	<0.010
MW-7S	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.0011	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00033	0.00058	<0.00020	<0.0010	0.0065	<0.0010	<0.0010
MW-7S	10/30/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0003	<0.00020	<0.0010	0.0018	<0.0010	<0.0010
MW-7S	2/18/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-7S	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00011 J**	0.00010 J	0.00012 J	<0.00019	0.000095 J	0.00010 J	<0.00019	<0.00095	<0.00095	0.00016 J	<0.00095	<0.00095	<0.00095	<0.00095
MW-7S	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.001	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-7S	7/24/2007	--	Well abandoned in August 2006 for City walk path construction in October 2006																											
MW-7D	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7D	8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7D	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.0069	<0.010	<0.010
MW-7D	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7D	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7D	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-7D	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	0.0014	**0.00016**	0.00013	0.00019	<0.00020	<0.00020	**0.00022**	<0.00020	0.00066	<0.0010	<0.00020	<0.0010	<0.0010	0.0006	0.00039
MW-7D	10/30/2003	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-7D	2/18/2004	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-7D	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0014	<0.00095	<0.00095
MW-7D	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.001	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-7D	7/24/2007	--	Well abandoned in August 2006 for City walk path construction in October 2006																											
MW-8S	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.012	**0.067**	*<0.010*	*<0.050*	0.27	<0.010	0.014	**0.0066**	*<0.010*	*<0.010*	<0.010	*<0.010*	**0.0067**	*<0.010*	0.069	0.22	*<0.010*	<0.010	0.023	0.0095	0.053
MW-8S	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.017	**0.077**	*<0.010*	*<0.050*	0.23	<0.010	0.011	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.055	0.16	*<0.010*	<0.010	0.058	**0.023**	0.036
MW-8S	8/12/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	0.0041	**0.046**	<0.0053	*<0.0010*	0.158	0.0028	0.0056	**0.0027**	**0.0032**	**0.0044**	0.0014	**0.0013**	**0.0033**	**0.0004**	0.0277	0.0885	**0.0017**	<0.0010	0.00033	0.00094	0.0111
MW-8S	10/31/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0017	**0.022**	<0.0054	*<0.0010*	0.0586	0.0019	0.0034	**0.0021**	**0.003**	**0.0032**	0.0015	**0.0016**	**0.0031**	**0.00034**	0.0172	0.0424	**0.0018**	<0.0010	<0.0010	0.0009	0.0073
MW-8S	2/19/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0014 J	0.004 J	<0.0052	*<0.0021*	0.0168	0.0017 J	0.0028	**0.0029**	**0.0055**	**0.0053**	0.0031	**0.003**	**0.0054**	**0.00061**	0.0102	0.0171	**0.0036**	<0.0021	<0.0021	0.002 J	0.0055
MW-8S	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0068	**0.0745**	<0.0048	*< 0.0038*	0.155	0.0043	0.012	**0.0033**	**0.0043**	**0.0043**	0.0022	**0.0024**	**0.0043**	**0.00062 J**	0.0367	0.142	**0.0029**	< 0.0038	0.0012 J	0.0041	0.0192
MW-8S	8/1/2006	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	**0.0158**	<0.0053	*<0.0084*	0.163	<0.0084	0.0064 J	**0.0024**	**0.002**	**0.0017**	0.00085 J	**0.0015 J**	**0.0024**	**<0.00107**	0.04	0.132	**0.0012 J**	<0.0084	<0.0084	<0.0084	0.0227
MW-8S	7/25/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0353**	<0.0048	<0.00096	0.124	0.002	0.0054	**0.0016**	**0.0025**	**0.0026**	0.0014	**0.0013**	**0.0025**	**0.00031**	0.0146	0.097	**0.0016**	<0.00096	0.00043 J	0.0051	0.0096
MW-8S	11/8/2008	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0125	<0.0048	<0.0048	<0.00096	0.0357	0.00059 J	0.0019	**0.00023**	**0.00041**	**0.00043**	0.00023	0.00011 J	**0.00036**	<0.00019	0.0068	0.00323	0.00027	<0.00096	<0.00096	0.0033	0.0032
MW-8S	12/15/2009	327.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.009	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	0.006	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-8S	12/14/2010	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0057	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0012	<0.00097	<0.00097
MW-8S	12/16/2011	292.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00033**	**0.00088**	**0.0008**	0.00067	**0.00047**	**0.00063**	<0.00019	0.0011	<0.00095	**0.00085**	<0.00095	<0.00095	<0.00095	<0.00095
MW-8S	7/15/2015	334.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00098	0.0046	<0.00098	<0.00098	**0.00079**	**0.0015**	**0.0019**	0.0012	**0.0006**	**0.0015**	0.00021	0.0019	0.0023	**0.0015**	<0.00098	0.0011	<0.00098	0.0012
MW-8S	4/9/2018	--	Insufficient water supply to collect sample																											
MW-8S	12/17/2019	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0031	<0.0010	<0.0010
MW-8D	6/21/2001	--	NA	NA	<0.020	NA	<0.020	*<0.020*	<0.020	**0.13**	**0.093**	*<0.020*	*<0.100*	0.19	<0.020	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	0.043	0.11	*<0.020*	**0.054**	1.0	**0.12**	0.034
MW-8D	12/11/2001	--	NA	NA	0.022	NA	<0.010	<0.010	<0.010	**0.19**	**0.14**	*<0.010*	*<0.050*	0.27	0.0099	0.013	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.035	0.15	*<0.010*	0.03	**1.8**	**0.14**	0.021
MW-8D	8/12/2003	--	<0.020	0.234	0.0125	<0.020	<0.020	*<0.020*	<0.020	**0.159**	**0.13**	*<0.020*	*<0.020*	0.263	<0.020	0.0082	**0.0031**	**<0.0040**	**0.0029**	<0.0040	*<0.0040*	**0.0024**	*<0.0040*	0.0352	0.142	*<0.0040*	**0.104**	**2.25**	**0.106**	0.0175
MW-8D	10/31/2003	--	<0.022	0.212	0.0117	<0.022	<0.022	*<0.022*	<0.022	**0.196**	**0.178**	*<0.022*	*<0.056*	0.361	<0.056	<0.056	*<0.011*	*<0.011*	*<0.011*	<0.011	*<0.011*	*<0.011*	*<0.011*	0.029	0.205	*<0.011*	**0.141**	**2.38**	**0.167**	0.0152
MW-8D	2/19/2004	--	<0.021	0.32	0.125	0.0115 J	<0.021	*<0.021*	<0.021	**0.144**	**0.136**	*<0.021*	*<0.010*	0.268	0.0092 J	0.0123	**0.0014 J**	*<0.0021*	*<0.0021*	<0.0021	*<0.0021*	**0.0011 J**	*<0.0021*	0.0297	0.162	*<0.0021*	0.0211	0.972	**0.126**	0.017
MW-8D	9/9/2004	--	<0.0049	0.304	0.0127	0.0105	<0.0049	<0.0049	<0.0049	**0.132**	**0.152**	<0.0049	*< 0.0097*	0.25	0.0109	0.0126	**0.0039**	**0.002**	**0.0023**	<0.00109	**0.0014 J**	**0.0028**	*<0.00109*	0.043	0.157	**0.0019**	**0.055**	**1.38**	**0.116**	0.0255
MW-8D	8/1/2006	--	<0.026	0.214	<0.026	<0.026	<0.026	*<0.026*	<0.026	**0.166**	**0.158**	*<0.026*	*<0.084*	0.29	*<0.084*	<0.084	*<0.017*	*<0.017*	*<0.017*	<0.017	*<0.017*	*<0.017*	*<0.017*	0.0295 J	0.153	*<0.017*	**0.143**	**2.79**	**0.112**	<0.084
MW-8D	7/24/2007	--	<0.048	0.181	<0.048	<0.048	<0.048	*<0.048*	<0.048	**0.175**	**0.156**	*<0.048*	*<0.076*	0.291	*<0.076*	<0.076	**0.0047 J**	*<0.015*	*<0.015*	<0.015	*<0.015*	*<0.015*	*<0.015*	0.0443 J	0.17	*<0.015*	**0.153**	**2.33**	**0.133**	0.0265 J
MW-8D	11/18/2008	26.7	<0.024	0.179	0.0053 J	<0.024	<0.024	*<0.024*	<0.024	**0.158**	**0.103**	*<0.024*	*<0.049*	0.236	<0.049	<0.049	*<0.0097*	*<0.0097*	*<0.0097*	<0.0097	*<0.0097*	*<0.0097*	*<0.0097*	0.0181 J	0.116	*<0.0097*	**0.114**	**1.49**	**0.0692**	<0.049
MW-8D	12/15/2009	2061.0	<0.025	0.161	<0.025	<0.025	<0.025	*<0.025*	<0.025	**0.159**	**0.126**	*<0.025*	*<0.050*	0.161	<0.050	<0.050	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.050	0.117	*<0.010*	**0.107**	**1.4**	**0.0816**	<0.050
MW-8D	6/24/2011	--	<0.019	0.177	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.173**	**0.151**	*<0.019*	*<0.048*	0.271	<0.048	<0.048	*<0.0096*	*<0.0096*	*<0.0096*	<0.0096	*<0.0096*	*<0.0096*	*<0.0096*	<0.048	0.143	*<0.0096*	**0.179**	**3.19**	**0.105**	<0.048
MW-8D	7/10/2012	0.0	<0.0048	0.132	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.186**	**0.139**	<0.0048	*<0.038*	0.252	<0.038	<0.038	*<0.0076*	*<0.0076*	*<0.0076*	<0.0076	*<0.0076*	*<0.0076*	*<0.0076*	<0.038	0.14	*<0.0076*	**0.165**	**1.51**	**0.0968**	<0.038
MW-8D	7/15/2015	23.4	<0.020	0.063	<0.020	<0.020	<0.020	<0.020	<0.020	**0.176**	**0.108**	<0.020	*<0.039*	0.187	<0.039	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	0.0974	*<0.0078*	**0.13**	**1.78**	**0.0608**	<0.039
MW-8D	3/13/2018	176.0	<0.0049	0.0566	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.191**	**0.151**	<0.0049	*<0.049*	0.226	<0.049	<0.049	*<0.0097*	*<0.0097*	*<0.0097*	*<0.0097*	*<0.0097*	*<0.0097*	*<0.0097*	<0.049	0.122	*0.0097*	**0.201**	**1.85**	**0.098**	0.049

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-9	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-9	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-9	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-9	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-9	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	**0.0006**	**0.00081**	**0.0015**	0.00053	**0.0004**	**0.00069**	0.00013	0.00083	<0.0010	**0.00064**	<0.0010	<0.0010	<0.0010	0.00068
MW-9	10/29/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	**0.00034**	**0.00043**	**0.00061**	0.0003	**0.0004**	**0.00043**	<0.00020	0.0005	<0.0010	0.00034	<0.0010	<0.0010	<0.0010	0.00048
MW-9	2/17/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	**0.00027**	**0.00031**	**0.0004**	0.00021	**0.00034**	**0.00034**	<0.00020	0.0004 J	<0.0010	0.00026	<0.0010	0.00065 J	<0.0010	0.00037 J
MW-9	7/31/2006	--	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010	0.0001 J	0.00012 J	0.00015 J	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	0.00011 J	<0.0010	<0.0010	<0.0010	<0.0010
MW-9	7/24/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	**0.00016 J**	**0.00021**	**0.00033**	0.00012 J	0.00017 J	0.00019 J	<0.00020	<0.0010	<0.0010	0.00015 J	<0.0010	<0.0010	<0.0010	<0.0010
MW-9	11/19/2008	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	**0.0003**	**0.00045**	**0.00074**	0.00031	**0.00024**	**0.00025**	0.000074 J	0.00042 J	<0.00096	0.00038	<0.00096	<0.00096	<0.00096	0.00039 J
MW-9	12/9/2009	439.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	**0.00021**	**0.00029**	**0.00059**	<0.00019	<0.00019	**0.00026**	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-9	12/13/2010	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-9	12/14/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.00099	<0.00095	<0.00095
MW-9	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.00099	<0.00095	<0.00095
MW-9	4/9/2018	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-9	12/16/2019	--	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-10	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	**<0.010**	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-10	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-10	6/21/2001	--	NA	NA	<0.0010	NA	<0.0010	<0.016	<0.0010	<0.0010	<0.0010	*<0.016*	*< 0.078*	<0.0010	<0.0010	<0.0010	*<0.0010*	*<0.0010*	*<0.0010*	<0.0010	*<0.0010*	*<0.0010*	*<0.0010*	<0.0010	<0.0010	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010
MW-10	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-10	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	**0.0011**	**0.0015**	**0.0025**	0.00095	**0.00086**	**0.0013**	0.00022	0.0016	<0.0010	**0.0011**	<0.0010	<0.0010	<0.0010	0.0013
MW-10	10/29/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-10	2/17/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-10	9/9/2004	--	<0.0048	0.0061	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.01	0.0107	<0.0048	0.00032 J	0.0211	0.003	0.00096	**0.00037**	**0.00062**	**0.00062**	0.00037	**0.00036**	**0.00043**	0.00014 J	0.002	0.0102	**0.00042**	0.0049	0.0351	0.0038	0.0013
MW-10	7/31/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	0.000066 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-10	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	0.000064 J	<0.00020	0.00011 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	0.000068 J	<0.00098	<0.00098	<0.00098	<0.00098
MW-10	11/19/2008	12.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-10	12/9/2009	7.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-10	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00908
MW-10	7/13/2012	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-10	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-10	3/22/2018	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-11S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-11D	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-11D	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-11D	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.0032	<0.0010	<0.0010	**0.0001**	0.00016	**0.00027**	0.00016	<0.00020	0.00016	<0.00020	0.00028	0.00095	0.00017	<0.0010	<0.0010	<0.0010	<0.0010
MW-11D	10/30/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	0.00014	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-11D	2/17/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	**0.00014 J**	**0.00021**	**0.00026**	0.0002	**0.0002**	**0.00023**	<0.00020	0.00043 J	<0.0010	0.00021	<0.0010	<0.0010	<0.0010	0.00034 J
MW-11D	9/9/2004	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.00099	0.006	< 0.00099	< 0.00099	**0.00014 J**	**0.0002**	**0.00026**	0.00016 J	**0.00016 J**	0.00018 J	<0.00020	0.00031 J	0.0012	0.00026	< 0.00099	< 0.00099	< 0.00099	0.00028 J
MW-11D	7/31/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-11D	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0028	<0.00098	<0.00098	0.000064 J	<0.00020	0.00012 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	0.00026 J	0.0001 J	<0.00098	<0.00098	<0.00098	<0.00098
MW-11D	11/19/2008	2.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-11D	12/9/2009	167.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.0015	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0013	<0.0010	<0.0010	0.001	0.0013	<0.0010
MW-11D	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0175	<0.00096	0.002	**0.00023**	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.0089	0.0116	<0.00019	<0.00096	0.0015	0.0091	0.0055
MW-11D	7/13/2012	250.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-11D	7/16/2015	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0037	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	0.001	<0.0010	<0.0010
MW-11D	3/16/2018	62.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0013	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-12S	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-12S	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.0095	<0.010	<0.010
MW-12S	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.022	<0.010	<0.010
MW-12S	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	0.00098
MW-12S	8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0033	0.0076	<0.005	<0.0010	0.0107	0.0014	0.00059	**0.00029**	**0.00045**	**0.00068**	0.00029	0.00018	**0.00035**	<0.00020	0.0011	0.00026	0.00034	<0.0010	0.00095	0.00066	0.00062
MW-12S	10/30/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0013	0.0028	<0.0051	<0.0051	<0.0010	0.0045	0.00082	**0.00045**	**0.00087**	**0.001**	0.00052	**0.00054**	**0.00062**	0.00011	0.0011	<0.0010	**0.00064**	<0.0010	<0.0010	<0.0010	0.00082
MW-12S	2/17/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	0.00062 J	0.00091 J	**0.0015**	**0.0026**	**0.0029**	0.0016	**0.0019**	**0.0021**	**0.00037**	0.0028	<0.0010	**0.0018**	<0.0010	<0.0010	0.00071 J	0.0026
MW-12S	9/29/2004	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0033	0.0096	<0.0049	<0.00097	0.0148	0.002	<0.00097	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0005	0.0012	0.00014	<0.00097	0.00081	<0.00097	0.00029
MW-12S	8/1/2006	--	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	*< 0.0063*	*<0.0010*	0.00079 J	<0.0010	<0.0010	**0.0002 J**	**0.00035**	**0.00039**	0.00023 J	**0.00024 J**	**0.00028**	<0.00020	0.00051 J	<0.0010	0.00029	<0.0010	<0.0010	<0.0010	0.00036 J
MW-12S	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0011 J	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	**0.00016 J**	**0.00024**	**0.0003**	0.00013 J	0.00015 J	**0.00022**	<0.00019	0.00038 J	<0.00097	0.00016 J	<0.00097	0.00079 J	<0.00097	0.00037 J
MW-12S	11/20/2008	5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0012	<0.0010	<0.0010
MW-12S	12/11/2009	164.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00019	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-12S	12/14/2010	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-12S	12/14/2011	134.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-12S	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00019	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-12S	3/26/2018	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-12D	6/21/2001	--	NA	NA	< 1.0	NA	< 1.0	<0.010	<0.010	*< 1.0*	*< 1.0*	*<0.010*	***<5.0***	0.61	0.032	0.068	**0.055**	**0.022**	**0.02**	0.0071	**0.023**	**0.045**	*<0.010*	*< 1.0*	< 1.0	**0.0084**	**0.96**	**13.00**	**0.63**	*< 1.0*
MW-12D	8/11/2003	--	<0.051	**1.1**	0.46	0.455	0.203	*<0.051*	<0.051	**0.864**	**2.5**	*<0.051*	**0.463**	**2.35**	**0.289**	0.669	**0.658**	**0.375**	**0.509**	0.139	**0.178**	**0.486**	*< 0.082*	**3.26**	**2.46**	**0.176**	**3.37**	**21.60**	**6.2**	**1.78**
MW-12D	10/30/2003	--	<0.052	**4.18**	**3.12**	**4.49**	1.76	*<0.052*	<0.052	**0.642**	**0.84**	*<0.052*	**0.305**	1.01	**0.157**	0.218	**0.183**	**0.097**	**0.0999**	0.0324	**0.0813**	**0.146**	*<0.041*	**0.921**	0.919	**0.0388**	**1.65**	**16.40**	**1.93**	0.576
MW-12D	2/18/2004	--	<0.110	**0.813**	0.473	0.482	0.294	*<0.110*	*<0.110*	**0.57**	**0.844**	*<0.110*	**0.236**	1.11	**0.128**	0.235	**0.224**	**0.116**	**0.109**	0.0438	**0.104**	**0.172**	**0.0104 J**	**1.03**	0.938	**0.0513**	**2.09**	**15.90**	**2.04**	0.691
MW-12D	9/10/2004	--	***<0.97***	**1.01**	0.586	0.624	<0.97	***<0.97***	<0.97	**3.74**	**16**	*<0.97*	**0.426**	**13.4**	**1.89**	4.41	**4.84**	**2.71**	**2.66**	0.981	**1.91**	**3.39**	**0.315**	**18.9**	**14.7**	**1.27**	**17.9**	**64.90**	**30.40**	**12.70**
MW-12D	8/2/2006	--	<0.11	**3.331**	**2.01**	**3.14**	1.19	*<0.11*	*<0.11*	**0.429**	**0.347**	*<0.11*	**0.0672 J**	0.444	0.064 J	<0.11	**0.0254**	**0.0132 J**	**0.0121 J**	<0.022	**0.011 J**	**0.0182 J**	*<0.022*	0.132	0.265	**0.006 J**	**0.872**	**9.54**	**0.394**	0.0756 J
MW-12D	7/24/2007	--	<0.048	**0.990**	<0.048.0	0.452	0.248	*<0.048*	<0.048	**0.527**	**0.553**	*<0.048*	**0.274**	0.606	0.0536	0.092	**0.083**	**0.0446**	**0.0464**	0.0164	**0.0339**	**0.0618**	**0.0047**	**0.362**	0.466	**0.0217**	**1.35**	**13.2**	**0.849**	0.277
MW-12D	11/20/2008	13.4	<0.020	**1.170**	0.790	0.597	0.555	*<0.020*	<0.020	**0.208**	**0.236**	*<0.020*	**0.544**	0.321	<0.100	<0.100	**0.0146 J**	**0.0073 J**	**0.0096 J**	<0.020	*<0.020*	**0.010 J**	<0.020	0.0753 J	0.0213	<0.020	**0.648**	**8.7**	**0.251**	0.0462 J
MW-12D	12/17/2009	0.0	<0.096	**1.530**	0.723	0.601	0.335	<0.096	<0.096	**0.55**	**0.367**	*<0.096*	**0.471**	0.482	<0.019	<0.019	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.019	0.279	<0.038	**0.882**	**11.9**	**0.234**	<0.019
MW-12D	12/21/2010	24.3	<0.097	**0.979**	0.491	0.433	0.228	<0.097	<0.097	**0.464**	**0.617**	<0.097	*<0.97*	<0.97	*<0.97*	<0.97	*<0.19*	*<0.19*	*<0.19*	*<0.19*	*<0.19*	*<0.19*	*<0.19*	*<0.97*	<0.97	*<0.19*	**1.4**	**14.1**	**1.41**	*<0.97*
MW-12D	7/15/2015	0.0	<0.23	**1.900**	0.936	0.885	0.383	<0.23	*<0.23*	**0.457**	**0.323**	<0.23	0.227	0.358	*0.0497*	<0.045	**0.0221**	**0.0099**	**0.0148**	<0.0091	*<0.0091*	**0.0175**	*<0.0091*	0.113	0.236	*<0.0091*	**0.641**	**8.89**	**0.341**	0.0755
MW-13	11/13/2000	--	NA	NA	0.052	NA	<0.010	<0.010	<0.010	**0.24**	**0.24**	*<0.010*	**0.13**	0.3	0.014	0.081	**0.073**	**0.032**	**0.036**	<0.010	**0.028**	**0.058**	**0.0056**	0.21	0.25	**0.0099**	**0.6**	**6.4**	**0.34**	0.18
MW-13	2/1/2001	--	NA	NA	0.067	NA	<0.010	<0.010	<0.010	**0.28**	**0.32**	*<0.010*	*<0.050*	0.58	0.013	0.1	**0.07**	**0.034**	**0.033**	0.015	**0.034**	**0.065**	**0.0074**	**0.32**	0.33	**0.019**	**0.34**	**4.7**	**0.94**	0.21
MW-13	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.078**	**0.18**	*<0.010*	**0.013**	0.32	0.0071	0.043	**0.024**	**0.011**	**0.011**	<0.010	**0.0098**	**0.022**	*<0.010*	0.13	0.2	*<0.010*	**0.072**	0.1	**0.33**	0.1
MW-13	12/11/2001	--	NA	NA	0.17	NA	<0.050	*<0.050*	<0.050	**0.36**	**0.34**	*<0.050*	**0.12**	0.78	<0.050	0.035	*<0.050*	*<0.050*	*<0.050*	<0.050	*<0.050*	*<0.050*	*<0.050*	0.12	0.28	*<0.050*	**0.44**	**7.5**	**0.42**	0.076
MW-13	8/12/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0015**	0.0247	0.0011	0.0019	**0.0013**	**0.0015**	**0.0024**	0.0011	**0.00072**	**0.0008**	0.00024	0.0185	0.00098	**0.0011**	<0.0010	0.00095	**0.0029**	0.0039
MW-13	10/31/2003	--	<0.021	0.0195	0.0101	<0.021	<0.021	*<0.021*	<0.021	**0.161**	**0.227**	*<0.021*	**0.0277**	0.466	0.0157	0.0382	**0.025**	**0.0196**	**0.0193**	0.0078	**0.0167**	**0.0222**	*<0.0042*	0.182	0.257	**0.0098**	**0.167**	**2.49**	**0.254**	0.116
MW-13	2/18/2004	--	<0.021	0.0114 J	<0.021	<0.021	<0.021	*<0.021*	<0.021	**0.107**	**0.216**	*<0.021*	**0.0106 J**	0.562	0.01 J	0.052	**0.0204**	**0.0118**	**0.0125**	0.0054	**0.0113**	**0.0175**	*<0.0042*	**0.248**	0.325	**0.0067**	**0.179**	**1.42**	**0.491**	0.161
MW-13	9/9/2004	--	<0.048	<0.048	<0.048	<0.048	<0.048	*<0.048*	<0.048	**0.273**	**0.242**	*<0.048*	*<0.019*	0.387	0.0129 J	0.0364	**0.0227**	**0.0235**	**0.0241**	0.0106	**0.0173**	**0.02**	**0.0037 J**	0.188	0.232	**0.0133**	**0.234**	**2.91**	**0.287**	0.137
MW-13	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0025 J	0.0036 J	<0.005	*<0.0010*	0.0281	0.0018	0.0028	**0.0024**	**0.0046**	**0.0049**	0.0024	**0.0028**	**0.0028**	**0.00058**	0.0272	0.004	**0.0032**	0.00067 J	0.0032	0.0118	0.0128
MW-13	7/26/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0019	0.0036	0.0032	*< 0.0038*	0.0074	< 0.0038	0.0019 J	**0.0012**	**0.0032**	**0.0036**	0.003	**0.0014**	**0.0018**	**0.00031 J**	0.0143	0.0039	**0.0033**	< 0.0038	0.0028	0.0089	0.011
MW-13	11/18/2008	39.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	0.000062 J	0.000062 J	<0.00020	<0.00020	<0.00020	0.00037 J	<0.00098	0.000060 J	<0.00098	<0.00098	<0.00098	<0.00098
MW-13	12/15/2009	51.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.03	**0.0332**	<0.0050	*<0.010*	0.109	<0.010	<0.010	*<0.0020*	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	*<0.0020*	*<0.0020*	<0.010	0.0456	*<0.0020*	0.0174	0.401	0.0157	<0.010
MW-13	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0307	**0.0268**	<0.0049	**0.0825**	<0.0049	<0.0049	<0.0049	*<0.00098*	*<0.00098*	*<0.00098*	<0.00098	*<0.00098*	*<0.00098*	*<0.00098*	0.0147	0.037	*<0.00098*	0.0163	0.207	**0.031**	0.0079
MW-13	11/29/2011	149.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0428	**0.0253**	<0.0048	*<0.048*	0.0886	<0.048	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	<0.048	0.914	<0.048	<0.048
MW-13	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-14S	8/11/2003	--	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	**0.146**	**0.184**	*<0.020*	**0.0214**	0.314	0.0039	0.0198	**0.009**	**0.0052**	**0.0076**	0.0023	**0.0023**	**0.0074**	**0.00072**	0.0544	0.0178	**0.0028**	**0.246**	0.962	**0.189**	0.0308
MW-14S	10/31/2003	--	<0.054	<0.054	<0.054	<0.054	<0.054	*<0.054*	<0.054	**0.05**	**0.0447**	<0.0054	*<0.0043*	0.127	0.0023	0.0055	**0.0019**	**0.001**	**0.0012**	0.00044	**0.00074**	**0.0016**	*< 0.00087*	0.0163	0.0648	**0.00048**	<0.0043	0.0017	0.0224	0.0094
MW-14S	2/17/2004	--	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	**0.169**	**0.184**	*<0.020*	*<0.020*	0.36	<0.020	0.0131 J	**0.004**	**0.0025 J**	**0.0028 J**	<0.004	<0.004	**0.0039 J**	*<0.004*	0.0255	0.184	*<0.004*	**0.354**	**4.01**	**0.137**	0.015 J
MW-14S	9/9/2004	--	<0.019	<0.019	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.178**	**0.176**	*<0.019*	*< 0.0096*	0.265	0.0059 J	0.014	**0.0045**	**0.0029**	**0.0031**	0.0014 J	**0.002**	**0.0039**	*<0.00109*	0.0294	0.152	**0.0026**	**0.18**	**1.26**	**0.112**	0.0177
MW-14S	8/1/2006	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	**0.13**	**0.106**	<0.0053	<0.0010	0.0263	<0.0010	0.00062 J	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0012	0.0119	<0.00020	0.0041	0.0199	0.0052	0.00067 J
MW-14S	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0434**	**0.0421**	<0.0049	<0.00098	0.0668	0.00064 J	0.0022	**0.00065**	**0.00045**	**0.00063**	0.00024	**0.00032**	**0.00063**	0.000065 J	0.0062	0.0279	0.00024	0.0027	0.0425	**0.0236**	0.0048
MW-14S	11/20/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-14S	12/11/2009	76.6	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0014	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-14S	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0317	**0.0327**	0.0112	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-14S	11/29/2011	72.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-14S	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-14D	8/11/2003	--	<0.050	0.325	0.119	0.105	0.0702	<0.050	<0.050	**0.471**	**0.393**	*<0.050*	**0.319**	0.519	0.0373	0.0426	**0.0214**	**0.0115**	**0.0151**	0.0041	**0.006**	**0.017**	*<0.008*	0.126	0.315	**0.0054**	**1.11**	**12.90**	**0.435**	0.0705
MW-14D	10/31/2003	--	<0.050	0.701	0.403	0.321	0.231	<0.050	<0.050	**0.501**	**0.317**	*<0.050*	**0.513**	0.517	*<0.1*	<0.1	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	0.0265	0.273	*<0.020*	**1.01**	**12.10**	**0.226**	<0.10
MW-14D	2/17/2004	--	<0.052	**0.911**	0.459	0.467	0.292	*<0.052*	<0.052	**0.474**	**0.563**	*<0.052*	**0.707**	0.84	0.0706 J	0.12	**0.0902**	**0.0453**	**0.0463**	0.0165 J	**0.0378**	**0.0741**	*<0.021*	**0.485**	0.631	**0.0187 J**	**1.32**	**13.30**	**1.12**	0.312
MW-14D	9/9/2004	--	<0.048	**0.879**	0.493	0.403	0.307	*<0.048*	<0.048	**0.519**	**0.497**	*<0.048*	**1.05**	0.686	0.0622 J	0.0671 J	**0.0429**	**0.0221**	**0.023**	<0.019	**0.0154 J**	**0.0292**	*<0.019*	**0.227**	0.456	**0.0189 J**	**1.36**	**11.50**	**0.626**	0.138
MW-14D	8/2/2006	--	<0.05	0.189	0.0896	0.0652	0.575	*<0.05*	<0.05	**0.387**	**0.641**	*<0.05*	**0.292**	1.00	0.07	0.166	**0.146**	**0.0747**	**0.0715**	0.0266	**0.06**	**0.116**	**0.0069 J**	**0.684**	0.72	**0.036**	**0.838**	**2.87**	**1.42**	0.445
MW-14D	7/24/2007	--	<0.05	0.509	<0.05	0.225	0.176	*<0.05*	<0.05	**0.43**	**0.311**	*<0.05*	**0.712**	0.404	0.0347	< 0.02	**0.0055**	**0.0024 J**	**0.0029 J**	<0.004	*<0.004*	**0.0041**	*<0.004*	0.0411	0.232	**0.0011 J**	**0.766**	**9.41**	**0.228**	0.0295
MW-14D	11/20/2008	16.8	0.0065 J	0.236	0.0857	0.0771	0.0684	*<0.019*	<0.019	**0.392**	**0.317**	*<0.019*	**0.183**	0.471	<0.096	<0.096	**0.0254**	**0.0113 J**	**0.0156 J**	<0.019	**0.0052 J**	**0.0183**	*<0.019*	0.144	0.319	<0.019	**0.773**	**9.55**	**0.434**	0.0892
MW-14D	12/17/2009	13.5	<0.096	0.138	<0.096	<0.096	<0.096	*<0.096*	<0.096	**0.291**	**0.312**	*<0.096*	*<0.19*	0.496	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.314	*<0.19*	*<0.19*	<0.19	*<0.19*	<0.19
MW-14D	12/21/2010	30.9	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	**0.216**	**0.203**	*<0.019*	*<0.19*	0.277	*<0.19*	<0.19	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.19	<0.19	*<0.039*	**0.404**	**4.26**	**0.21**	<0.19
MW-14D	11/29/2011	33.1	<0.019	0.367	0.168	0.0816	0.0515	<0.019	<0.019	**0.332**	**0.331**	*<0.019*	*<0.19*	0.471	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.274	*<0.038*	**0.711**	**6.23**	**0.358**	<0.19
MW-14D	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-15S	8/11/2003	--	<0.052	**0.751**	0.451	0.42	0.0858	<0.052	<0.052	**0.377**	**0.967**	*<0.052*	*<0.210*	1.39	**0.13**	0.35	**0.33**	**0.184**	**0.292**	0.0597	**0.082**	**0.278**	*<0.042*	**1.58**	1.1	**0.0766**	**1.55**	**12.50**	**2.67**	**0.925**
MW-15S	10/30/2003	--	<0.020	0.297	0.191	0.0996	0.0216	<0.020	<0.020	**0.12**	**0.23**	*<0.020*	*<0.100*	0.415	*<0.100*	0.0335	**0.0141**	**<0.020**	**<0.020**	<0.020	*<0.020*	**0.0102**	*<0.020*	0.0964	0.231	**<0.020**	**0.628**	**6.40**	**0.323**	0.0615
MW-15S	2/17/2004	--	<0.054	**2.08**	1.12	1.22	0.382	<0.054	<0.054	**0.222**	**0.391**	*<0.054*	*< 0.086*	0.617	0.0555 J	0.0635 J	**0.0549**	**0.0284**	**0.0294**	0.0092 J	**0.0258**	**0.0463**	*<0.017*	**0.266**	0.339	**0.0125 J**	**1.21**	**13.10**	**0.665**	0.171
MW-15S	9/9/2004	--	<0.020	0.0507	0.0096	<0.020	<0.020	<0.020	<0.020	**0.103**	**0.243**	*<0.020*	*<0.010*	0.263	0.0275	0.0399	**0.0324**	**0.0186**	**0.0192**	0.0064	**0.0139**	**0.024**	**0.0023**	0.126	0.189	**0.0091**	**0.342**	**1.21**	**0.299**	0.0903
MW-15S	8/1/2006	--	<0.1	0.435	0.176	0.0685 J	<0.1	<0.1	<0.1	**0.153**	**0.318**	*<0.1*	*< 0.08*	0.526	0.0436 J	0.0452 J	**0.0376**	**0.021**	**0.0204**	<0.016	**0.018**	**0.0318**	*<0.016*	0.169	0.272	**0.0096 J**	**0.374**	**6.29**	**0.465**	0.107
MW-15S	7/24/2007	--	Well destroyed during walk path construction in October 2006																											
MW-15D	8/14/2003	--	<0.052	0.69	0.234	0.139	0.0576	*<0.052*	<0.052	**0.288**	**0.198**	*<0.052*	*<0.100*	0.429	*<0.100*	<0.100	*<0.021*	*<0.021*	*<0.021*	<0.021	*<0.021*	*<0.021*	*<0.021*	0.0269	0.192	*<0.021*	**0.868**	**11.00**	**0.177**	<0.100
MW-15D	10/30/2003	--	<0.057	0.703	0.298	0.263	0.0976	*<0.057*	<0.057	**0.4**	**0.615**	*<0.057*	**0.0633**	0.853	0.066	0.134	**0.124**	**0.0621**	**0.0676**	0.0198	**0.0497**	**0.0962**	**0.0053**	**0.587**	0.683	**0.025**	**1.6**	**12.50**	**1.32**	0.376
MW-15D	2/18/2004	--	*<0.140*	**0.92**	0.42	0.293	0.136 J	*<0.140*	*<0.140*	**0.611**	**1.67**	*<0.141*	*<0.110*	**2.26**	**0.141**	0.497	**0.505**	**0.252**	**0.274**	0.0869	**0.204**	**0.396**	**0.0233**	**2.42**	**2.06**	**0.106**	**2.74**	**16.70**	**4.72**	**1.64**
MW-15D	9/9/2004	--	*<0.19*	**1.67**	0.66	0.712	0.282	*<0.19*	*<0.19*	**4.34**	**25.5**	*<0.19*	*<1.9*	**27.1**	**1.85**	7.44	**8.4**	**4.39**	**4.41**	1.46	**3.29**	**5.67**	**0.529**	**35**	**27.3**	**2**	**28.9**	**77.70**	**58.6**	**22.7**
MW-15D	8/1/2006	--	<0.021	0.595	0.224	0.185	0.0717	*<0.021*	<0.021	**0.247**	**0.327**	*<0.021*	*<0.042*	0.54	0.0245 J	0.0659	**0.0596**	**0.03**	**0.0282**	0.0094	**0.0267**	**0.0423**	*<0.0084*	**0.289**	0.365	**0.0128**	**0.334**	**1.42**	**0.649**	0.193
MW-15D	7/24/2007	--	<0.025	0.614	0.328	0.407	0.127	*<0.0250*	<0.0250	**0.316**	**0.369**	*<0.025*	*<0.02*	0.521	0.0234	0.0462	**0.0345**	**0.0168**	**0.018**	0.0061	**0.013**	**0.0246**	**0.0019 J**	0.172	0.338	**0.0082**	**0.474**	**1.89**	**0.513**	0.133
MW-15D	11/20/2008	32.9	<0.020	0.661	0.257	0.16	0.116	*<0.020*	<0.020	**0.278**	**0.213**	*<0.020*	*<0.100*	0.322	*<0.100*	<0.100	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.100	0.192	*<0.020*	**0.484**	**6.270**	**0.190**	<0.100
MW-15D	12/17/2009	15.9	<0.095	0.298	0.102	<0.095	<0.095	<0.095	<0.095	**0.363**	**0.308**	*<0.095*	*<0.19*	0.492	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.27	*<0.038*	**0.709**	**8.880**	**0.280**	<0.19
MW-15D	12/21/2010	118.0	<0.020	0.506	0.239	0.132	0.102	<0.020	<0.020	**0.29**	**0.212**	*<0.020*	*<0.20*	0.398	*<0.20*	<0.20	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.20	<0.20	*<0.039*	**0.642**	**6.460**	**0.208**	<0.20
MW-15D	7/15/2015	0.0	<0.022	0.233	0.0922	0.0458	0.0745	<0.022	<0.022	**0.3**	*<0.022*	*<0.022*	*<0.11*	0.333	*<0.11*	<0.11	*<0.022*	*<0.022*	*<0.022*	<0.022	*<0.022*	*<0.022*	*<0.022*	<0.11	0.176	*<0.022*	**0.487**	**7.440**	**0.163**	<0.11

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential		--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																													
MW-16S	8/11/2003	--	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	**0.591**	**1.19**	*<0.020*	**0.0624**	1.56	0.0509	0.444	**0.213**	**0.117**	**0.166**	0.044	**0.05**	**0.206**	**0.0136**	**1.06**	1.16	**0.0566**	**1.28**	**8.31**	**2.31**	0.596
MW-16S	10/30/2003	--	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	**0.255**	**0.448**	*<0.020*	**0.0465**	0.675	<0.04	0.0643	**0.0265**	**0.0129**	**0.0128**	0.0042	**0.0116**	**0.0259**	*<0.008*	0.147	0.401	**0.0052**	**0.453**	**3.99**	**0.475**	0.093
MW-16S	2/18/2004	--	<0.021	<0.021	<0.021	<0.021	<0.021	*<0.021*	<0.021	**0.188**	**0.457**	*<0.021*	**0.0098 J**	0.685	0.018 J	0.112	**0.0557**	**0.0264**	**0.0276**	0.0088	**0.022**	**0.0552**	**0.0028 J**	**0.289**	0.47	**0.0106**	**0.233**	**2.95**	**0.705**	0.194
MW-16S	9/9/2004	--	<0.097	<0.097	<0.097	<0.097	<0.097	*<0.097*	<0.097	**0.442**	**0.992**	*<0.097*	*<0.039*	1.37	0.0478	0.578	**0.276**	**0.138**	**0.134**	0.0478	**0.0967**	**0.272**	**0.0156**	**1.06**	1.05	**0.0622**	**0.291**	**2.39**	**2.16**	0.682
MW-16S	8/1/2006	--	<0.025	<0.025	<0.025	<0.025	<0.025	*<0.025*	<0.025	**0.236**	**0.403**	*<0.025*	**0.0044 J**	0.654	0.0173	0.112	**0.0506**	**0.0275**	**0.0277**	0.0086	**0.0202**	**0.0514**	**0.0028**	**0.249**	0.403	**0.012**	**0.251**	**1.79**	**0.589**	0.161
MW-16S	7/24/2007	--	<0.05	<0.05	<0.05	<0.05	<0.05	*<0.05*	<0.05	**0.183**	**0.301**	*<0.05*	*< 0.02*	0.515	0.0113 J	0.168	**0.0785**	**0.0427**	**0.0483**	0.0146	**0.0281**	**0.0835**	**0.0046**	**0.369**	0.396	**0.0195**	**0.0541**	0.451	**0.507**	0.264
MW-16S	11/20/2008	23.1	<0.005	<0.005	0.001 J	<0.005	<0.005	<0.005	<0.005	**0.0926**	**0.0997**	<0.005	*<0.010*	0.268	<0.010	0.0104	**0.00089 J**	*<0.002*	*<0.002*	<0.002	*<0.002*	*<0.002*	*<0.002*	0.0238	0.139	*<0.020*	<0.010	0.0025 J	**0.0428**	0.011
MW-16S	12/11/2009	58.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0849**	**0.151**	<0.0048	*<0.0095*	0.325	*<0.0095*	0.0121	*<0.00109*	*<0.00109*	*<0.00109*	<.0019	*<0.00109*	*<0.00109*	*<0.00109*	0.0203	0.177	*<0.00109*	<0.0095	0.217	**0.071**	0.0126
MW-16S	12/14/2010	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.02	**0.0366**	<0.0049	*<0.0039*	0.136	0.0049	0.0049	*<0.00078*	*<0.00078*	*<0.00078*	<0.00078	*<0.00078*	**0.001**	<0.00078	0.0153	0.055	<0.00078	<0.0039	0.0254	<0.0039	0.0055
MW-16S	12/14/2011	76.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0491**	**0.107**	<0.0048	*<0.0096*	0.227	<0.0096	0.0122	*<0.0019*	*<0.0019*	*<0.0019*	<0.0019	*<0.0019*	*<0.0019*	*<0.0019*	0.0288	0.128	<0.0019	<0.0096	<0.0096	0.0334	0.0143
MW-16S	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0579**	**0.0496**	<0.0048	*<0.00096*	0.183	0.0022	0.0141	**0.0031**	**0.0014**	**0.0013**	0.00045	**0.00093**	**0.0031**	<0.00019	0.0297	0.111	**0.0007**	<0.00096	0.0124	0.0068	0.0153
MW-16S	3/26/2018	25.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0315**	**0.0699**	<0.0048	*0.0013*	0.189	0.0021	0.0039	*<0.0019*	*<0.0019*	*<0.0019*	<0.0019	*<0.0019*	*<0.0019*	*<0.0019*	0.0094	0.0881	<0.00019	0.0043	0.3440	0.0129	0.0037
MW-16S	12/16/2019	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.0095*	0.004	<0.0095	<0.0095	*<0.00019*	*<0.0019*	*<0.0019*	<0.0019	*<0.0019*	*<0.0019*	*<0.0019*	0.0014	0.0011	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095
MW-16D	8/11/2003	--	< 0.023	0.103	0.048	0.0405	0.0262	*< 0.023*	< 0.023	**0.324**	**0.454**	**0.0241**	**0.0871**	0.607	< 0.092	0.175	**0.104**	**0.0596**	**0.0839**	0.0229	**0.0256**	**0.0969**	*<0.018*	**0.499**	0.495	**0.0271**	**0.711**	**6.51**	**1.05**	0.286
MW-16D	10/30/2003	--	<0.022	0.188	0.0797	0.0581	0.0387	*<0.022*	<0.022	**0.399**	**0.292**	*<0.022*	**0.126**	0.463	<0.043	0.0304	**0.0098**	**0.0051**	**0.0049**	<0.0086	**0.0044**	**0.0087**	*<0.0086*	0.0538	0.248	*<0.0086*	**0.965**	**10.70**	**0.229**	0.0327
MW-16D	2/18/2004	--	<0.100	0.164	0.0743 J	0.0452 J	<0.100	*<0.100*	<0.100	**1.78**	**7.42**	*<0.100*	**0.149 J**	**8.07**	**0.948**	2.17	**2.52**	**1.27**	**1.19**	0.433	**0.922**	**2.03**	**0.109**	**10.00**	**8.15**	**0.519**	**9.83**	**42.00**	**23.00**	**7.02**
MW-16D	9/9/2004	--	*<0.97*	*<0.97*	<0.970	<0.970	<0.97	*<0.97*	*<0.97*	**2.66**	**12.2**	*<0.97*	**0.13 J**	**10.8**	**1.34**	3.15	**3.63**	**1.93**	**1.76**	0.691	**1.26**	**2.55**	**0.245**	**13.60**	**11.00**	**0.898**	**14.7**	**50.60**	**28.20**	**8.78**
MW-16D	8/2/2006	--	<0.021	0.0729	0.0356	0.0231	0.0123 j	*<0.021*	<0.021	**0.19**	**0.176**	*<0.021*	*<0.011*	0.31	0.0093 J	0.0132	**0.0018 J**	*<0.0021*	**0.00089 J**	<0.0021	*<0.0021*	**0.0011 J**	*<0.0021*	0.0151	0.167	*<0.0021*	**0.0365**	0.0197	**0.116**	0.0093 J
MW-16D	7/24/2007	--	<0.1	0.0801 J	<0.1	0.0279 J	<0.1	*<0.1*	<0.1	**0.465**	**0.699**	*<0.1*	*<0.05*	0.839	0.0537	0.116	**0.125**	**0.0673**	**0.071**	0.0237	**0.0516**	**0.0935**	**0.0067 J**	**0.529**	0.627	**0.0313**	**0.97**	**6.55**	**1.17**	0.389
MW-16D	11/19/2008	2.4	<0.096	0.0839 J	0.0377 J	0.0233 J	<0.096	<0.096	<0.096	**0.368**	**0.254**	*<0.096*	*<0.19*	0.353	<0.190	<0.190	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.190	0.178 J	*<0.038*	**0.556**	**7.280**	**0.132 J**	<0.190
MW-16D	12/17/2009	1.5	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	**0.355**	**0.307**	*<0.096*	*<0.19*	0.459	*<0.190*	<0.190	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.190	0.222	*<0.038*	**0.653**	**7.570**	*<0.190*	*<0.190*
MW-16D	12/21/2010	62.3	<0.020	0.0618	0.0239	<0.020	<0.020	<0.020	<0.020	**0.316**	**0.233**	*<0.020*	*<0.20*	0.387	*<0.20*	<0.20	*<0.040*	*<0.040*	*<0.040*	<0.040	*<0.040*	*<0.040*	*<0.040*	<0.20	<0.20	*<0.040*	**0.66**	**6.790**	*<0.20*	<0.20
MW-16D	7/15/2015	298.0	<0.020	0.05	0.0213	<0.020	<0.020	<0.020	<0.020	**0.221**	**0.212**	*<0.020*	*<0.10*	0.284	*<0.10*	<0.10	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.10	0.14	*<0.020*	**0.392**	**4.800**	**0.101**	<0.10
MW-17S	8/12/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0013	0.0038	0.0039	*<0.004*	0.0076	<0.004	0.0029	**0.0114**	**0.0111**	**0.0192**	0.0057	**0.0051**	**0.0092**	**0.0015**	0.026	0.004	**0.0069**	0.0018	0.0061	0.0131	0.0173
MW-17S	10/31/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	**0.00058**	**0.0008**	**0.0011**	0.0005	**0.00063**	**0.00055**	<0.00020	0.001	<0.0010	**0.00057**	<0.0010	0.00036	0.00058	0.00076
MW-17S	2/18/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	**0.00078**	**0.0011**	**0.0014**	0.0008	**0.00091**	**0.00086**	0.00018 J	0.0012	<0.0010	**0.00082**	<0.0010	0.00051 J	0.00049 J	0.0011
MW-17S	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0014 J	<0.0048	0.00058 J	0.0014	<0.00096	0.00058 J	**0.00093**	**0.00082**	**0.00089**	0.00045	**0.00065**	**0.00069**	0.00015 J	0.0029	0.0016	**0.00057**	0.00094 J	0.0018	0.0048	0.002
MW-17S	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00076 J	<0.0010	<0.0010	<0.0010	**0.00042**	**0.00063**	**0.00077**	0.00042	**0.00053**	**0.00037**	0.000091 J	0.00059 J	<0.0010	**0.00053**	<0.0010	<0.0010	<0.0010	0.00051 J
MW-17S	7/26/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00068**	**0.00093**	**0.0012**	0.00061	**0.00076**	**0.00062**	0.00015	0.001	<0.00095	**0.00077**	<0.00095	0.00029	<0.00095	0.00095
MW-17S	11/18/2008	23.6	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-17S	12/15/2009	161.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00022**	**0.00032**	**0.00049**	0.00021	<0.00019	**0.00021**	<0.00019	<0.00095	<0.00095	0.00025	<0.00095	<0.00095	<0.00095	<0.00095
MW-17S	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-17S	7/10/2012	187.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0132**	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	**0.00025**	**0.00043**	0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	0.00025	<0.00095	<0.00095	<0.00095	<0.00095
MW-17S	7/14/2015	589.0	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	**0.00021**	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-17S	4/9/2018	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-17D	8/12/2003	--	<0.020	0.285	0.198	0.0952	0.0978	*<0.020*	<0.020	**0.147**	**0.0817**	*<0.020*	*<0.04*	0.131	<0.04	<0.04	*<0.008*	*<0.008*	*<0.008*	<0.008	*<0.008*	*<0.008*	*<0.008*	<0.04	0.0731	*<0.008*	**0.259**	**4.80**	**0.0612**	<0.04
MW-17D	10/31/2003	--	<0.024	0.382	0.252	0.168	0.116	*<0.024*	<0.024	**0.151**	**0.0694**	*<0.024*	*<0.049*	0.144	<0.049	<0.049	*<0.0098*	*<0.0098*	*<0.0098*	<0.0098	*<0.0098*	*<0.0098*	*<0.0098*	<0.049	0.0706	*<0.0098*	**0.227**	**4.62**	**0.0559**	<0.049
MW-17D	2/18/2004	--	<0.021	0.23	0.167	0.0889	0.0891	*<0.021*	<0.021	**0.217**	**0.108**	*<0.021*	*<0.021*	0.203	0.014 J	0.0089 J	*<0.0042*	*<0.0042*	*<0.0042*	<0.0042	*<0.0042*	*<0.0042*	*<0.0042*	0.0063 J	0.109	*<0.0042*	**0.262**	**5.68**	**0.0877**	<0.021
MW-17D	9/9/2004	--	<0.020	0.286	0.151	0.0971	0.0747	*<0.020*	<0.020	**0.233**	**0.141**	*<0.020*	*<0.010*	0.197	0.0158	0.0094 J	*<0.002*	<0.002	<0.002	<0.002	<0.002	<0.002	*<0.002*	0.0092 J	0.115	*<0.002*	**0.313**	**4.63**	**0.101**	0.0052 J
MW-17D	8/1/2006	--	<0.025	0.153	0.0847	0.0265	0.012 J	*<0.025*	<0.025	**0.202**	**0.114**	*<0.025*	*<0.01*	0.193	0.0112	0.0985	*<0.002*	<0.002	<0.002	<0.002	<0.002	<0.002	*<0.002*	0.0077 J	0.107	*<0.002*	**0.155**	**2.23**	**0.0978**	0.0042 J
MW-17D	7/26/2007	--	<0.025	0.129	0.0729	0.0186 J	<0.025	*<0.025*	<0.025	**0.234**	**0.129**	*<0.025*	*<0.01*	0.179	0.0122	<0.01	*<0.002*	<0.002	<0.002	<0.002	<0.002	<0.002	*<0.002*	0.0114	0.101	*<0.002*	**0.169**	**2.25**	**0.101**	0.0072
MW-17D	11/18/2008	31.1	<0.0049	0.0154	<0.0049	0.0013 J	<0.0049	<0.0049	<0.0049	0.0052	<0.0049	<0.0049	<0.00097	0.004	<0.00097	0.00073 J	0.000069 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	0.0031	<0.00019	<0.00097	0.0030 J	0.0065	0.00083 J
MW-17D	12/15/2009	5.3	<0.0048	0.006	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0051	<0.0048	<0.0048	<0.00096	0.0026	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.002	0.0021	<0.00019	<0.00096	<0.00096	0.005	0.0016
MW-17D	6/24/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0166	**0.0177**	0.0086	<0.00097	0.0187	<0.00097	0.0036	**0.00026**	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0086	0.0138	<0.00019	0.006	0.0265	**0.0343**	0.0046
MW-17D	7/13/2012	108.0	<0.0048	0.021	0.0133	0.0083	0.0085	<0.0048	<0.0048	0.0096	<0.0048	<0.0048	<0.0038	0.0107	<0.0038	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	<0.0038	<0.00076	0.0156	0.356	<0.0038	<0.038
MW-17D	7/14/2015	17.2	<0.0048	0.0056	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0176	0.0154	<0.0048	<0.00095	0.0225	0.0017	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0013	0.0143	<0.00010	0.0221	0.213	0.0131	<0.00055
MW-17D	3/14/2018	35.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096
MW-18S	8/12/2003	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	*<0.0010*	<0.0010	<0.0010	0.00068	**0.0033**	**0.0049**	**0.0069**	0.0031	**0.0021**	**0.0037**	**0.00076**	0.0052	<0.0010	**0.0039**	<0.0010	0.00032	0.002	0.0043
MW-18S	10/31/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	**0.00018**	**0.00025**	**0.00032**	0.00019	0.00019	**0.00023**	<0.00020	0.00028	<0.0010	0.00022	<0.0010	<0.0010	<0.0010	0.00026
MW-18S	2/18/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	0.00073 J	**0.0035**	**0.0046**	**0.0049**	0.0034	**0.0035**	**0.004**	**0.00062**	0.0058	<0.0010	**0.0036**	<0.0010	0.00028 J	0.0021	0.0051
MW-18S	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00098**	**0.0012**	**0.0013**	0.00079	**0.00083**	**0.00095**	0.00019	0.0019	0.0004	**0.00097**	<0.00095	0.00036	0.0017	0.0015
MW-18S	8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0010	<0.0010	<0.0010	<0.0010	**0.00026**	**0.00036**	**0.0004**	0.00024	**0.00028**	**0.0003**	<0.00020	0.00039 J	<0.0010	0.00032	<0.0010	<0.0010	<0.0010	0.00034 J
MW-18S	7/24/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.0009**	**0.0013**	**0.0014**	0.00079	**0.00081**	**0.001**	0.00019	0.0013	<0.00095	**0.001**	<0.00095	<0.00095	0.00050 J	0.0014
MW-18S	11/18/2008	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00013 J**	0.00018 J	**0.00024**	0.00010 J	0.000076 J	0.00014 J	<0.00019	<0.00095	<0.00095	0.00012 J	<0.00095	<0.00095	<0.00095	<0.00095
MW-18S	12/15/2009	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-18S	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-18S	7/15/2015	61.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00098	<0.00098	<0.00020	<0.00098	0.0029	<0.00098	<0.00098
MW-18S	3/13/2018	10.7	Insufficient water to collect for SVOCs																											

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-18D	8/12/2003	--	< 0.0074	0.012	0.0034	< 0.0074	< 0.0074	< 0.0074	< 0.0074	0.0362	**0.0409**	*< 0.0074*	*<0.0010*	0.0875	0.0019	0.0023	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	0.001	0.0391	<0.00020	0.0283	0.327	0.0192	0.00061
MW-18D	10/31/2003	--	<0.0058	0.0109	0.0028	<0.0058	<0.0058	<0.0058	<0.0058	0.0233	0.0146	<0.0058	*<0.0010*	0.0537	0.0031	<0.0023	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	0.0023	0.023	<0.00020	<0.0010	0.00037	0.0142	0.0014
MW-18D	2/18/2004	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	*<0.0010*	0.0011	<0.0010	<0.0010	**0.00011 J**	0.00016 J	0.00016 J	0.00011 J	0.00013 J	0.00012 J	<0.00020	0.00034 J	<0.0010	<0.00020	<0.0010	0.00042 J	<0.0010	0.00032 J
MW-18D	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	0.00065 J	<0.0010	<0.0010	**0.00013 J**	**0.00034**	**0.00035**	0.00021	0.00019 J	0.00017 J	<0.00020	0.00026 J	<0.0010	0.00026	<0.0010	<0.0010	<0.0010	<0.0010
MW-18D	7/24/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0016 J	0.0063	<0.005	<0.0010	0.0167	0.00065	0.00089	**0.00039**	**0.00085**	**0.00088**	0.00056	**0.00051**	**0.00058**	0.00013 J	0.0027	0.0126	**0.00062**	<0.0010	0.0022	0.0014	0.0018
MW-18D	11/18/2008	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-18D	12/15/2009	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0015	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0013	<0.00097	<0.00019	<0.00097	<0.00097	0.0029	<0.00097
MW-18D	6/24/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0051	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0023	0.0026	<0.00019	<0.00096	0.0021	0.0032	0.0013
MW-18D	7/10/2012	84.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0054	<0.00095	<0.00095	*<0.00019*	**0.00027**	**0.00038**	0.0002	<0.00019	<0.00019	<0.00019	0.0012	0.0022	0.00025	0.0026	0.022	0.0024	<0.00095
MW-18D	7/15/2015	3.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00098	0.0014	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00098	<0.00098	<0.00020	<0.00098	0.0029	<0.00098	<0.00098
MW-18D	3/13/2018	3.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0013	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	*<0.00020*	<0.0010	<0.0010	<0.0010	<0.0010
MW-19S	10/31/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	**0.00062**	**0.0013**	**0.0017**	0.00094	**0.001**	**0.00082**	0.00017	0.00069	<0.0010	**0.001**	<0.0010	<0.0010	<0.0010	0.00079
MW-19S	2/18/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	0.0011	0.001	**0.0039**	**0.006**	**0.0078**	0.0043	**0.0049**	**0.0048**	**0.0011**	0.0049	<0.0010	**0.0049**	<0.0010	<0.0010	0.00087 J	0.005
MW-19S	12/15/2009	87.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	**0.00094**	**0.0017**	**0.0027**	0.0013	**0.00075**	**0.0011**	**0.00027**	0.0013	<0.00098	**0.0015**	<0.00098	<0.00098	<0.00098	0.0014
MW-19S	6/22/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	0.00019	**0.00025**	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-19S	7/15/2015	742.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	**0.00024**	**0.00045**	0.00021	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	0.00027	<0.00096	<0.00096	<0.00096	<0.00096
MW-19S	3/13/2018	--	Insufficient water to collect sample																											
MW-19D	8/12/2003	--	< 0.0091	0.0534	0.0275	0.0143	< 0.0091	< 0.0091	< 0.0091	0.0149	**0.0208**	*< 0.0091*	*< 0.0073*	0.0279	< 0.0073	0.0075	**0.0152**	**0.0165**	**0.0265**	0.0075	**0.0068**	**0.0152**	**0.0018**	0.043	0.0255	**0.0092**	0.0073	0.136	**0.0585**	0.0279
MW-19D	10/31/2003	--	<0.011	0.155	0.0482	0.0175	<0.011	*<0.011*	<0.011	0.0377	**0.0284**	*<0.011*	**0.0423**	0.0735	0.0088	<0.0045	**0.0018**	**0.0013**	**0.0016**	0.00062	**0.001**	**0.0014**	*< 0.00091*	0.0117	0.0298	**0.00071**	0.0254	0.137	0.018	0.0073
MW-19D	2/18/2004	--	<0.021	0.207	0.0739	0.0338	<0.021	*<0.021*	<0.021	0.015 J	**0.0217**	*<0.021*	**0.0532**	0.111	0.0163	0.0046	**0.00056 J**	*< 0.00083*	*< 0.00083*	< 0.00083	*< 0.00083*	*< 0.00083*	*< 0.00083*	0.0101	0.0289	*< 0.00083*	0.0288	0.276	0.0137	0.006
MW-19D	9/9/2004	--	<0.052	0.396	0.122	0.0936	<0.052	*<0.052*	<0.052	**0.393**	**1.89**	*<0.052*	**0.119**	**2.35**	**0.268**	0.606	**0.714**	**0.378**	**0.354**	0.134	**0.304**	**0.474**	**0.0426**	**2.98**	**2.22**	**0.178**	**2.52**	**8.46**	**5.06**	**1.98**
MW-19D	8/2/2006	--	<0.047	0.379	0.126	0.102	0.0216 J	*<0.047*	<0.047	**0.127**	**0.199**	*<0.047*	**0.119**	0.32	0.0377 J	<0.059	*<0.012*	*<0.012*	*<0.012*	<0.012	*<0.012*	*<0.012*	*<0.012*	0.0191 J	0.164	*<0.012*	**0.287**	**2.82**	**0.137**	<0.059
MW-19D	7/24/2007	--	<0.048	0.486	<0.048	0.106	0.025 J	*<0.048*	<0.048	**0.157**	**0.216**	*<0.048*	**0.118**	0.30	0.0398	<0.019	**0.0024 J**	*< 0.0038*	**0.0018 J**	<0.0038	*< 0.0038*	**0.002 J**	*< 0.0038*	0.0221	0.166	*<0.0038*	**0.167**	**3.64**	**0.143**	0.0168 J
MW-19D	11/18/2008	29.5	0.0142 J	0.156	0.0655	0.0827	0.133	*<0.020*	<0.020	0.0114 J	**0.0438**	*<0.020*	*<0.015*	0.0979	0.0133 J	<0.015	**0.0009 J**	*<0.003*	*<0.003*	<0.003	*<0.003*	*<0.003*	*<0.003*	0.0063 J	0.0381	*<0.003*	**0.032**	0.366	**0.0321**	0.004 J
MW-19D	12/17/2009	308.0	<0.020	0.392	0.125	0.0757	0.0764	<0.020	<0.020	**0.164**	**0.337**	<0.020	*<0.010*	0.603	<0.010	<0.010	**0.0716**	**0.0366**	**0.0528**	<0.020	<0.020	**0.0525**	<0.020	0.285	0.422	<0.020	**0.81**	**4.37**	**0.772**	0.264
MW-19D	12/16/2010	825.0	<0.050	0.238	0.0632	<0.050	<0.050	<0.050	<0.050	**0.125**	**0.202**	<0.050	*<0.020*	0.534	<0.020	<0.020	*<0.0040*	*<0.0040*	*<0.0040*	<0.0040	*<0.0040*	*<0.0040*	*<0.0040*	<0.020	0.0304	<0.0040	**0.0949**	**0.638**	**0.0352**	<0.020
MW-19D	7/15/2015	8.4	<0.047	0.517	0.103	0.088	<0.047	<0.047	<0.047	**0.222**	**0.221**	<0.047	*<0.094*	0.259	<0.094	<0.094	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.094	0.135	<0.019	**0.431**	**4.77**	**0.153**	<0.094
MW-19D	3/13/2018	28.3	<0.0050	0.146	0.0324	0.0241	<0.0050	<0.0050	<0.0050	NA	NA	<0.0050	*<0.050*	0.209	<0.050	<0.050	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.050	*0.107*	<0.010	**0.347**	**3.33**	**0.106**	<0.050
MW-20S	11/13/2003	--	<0.0051	0.0115	0.0031	<0.0051	<0.0051	<0.0051	<0.0051	0.0285	**0.0236**	<0.0051	*<0.004*	0.0739	0.0024	0.0048	**0.0095**	**0.0064**	**0.0071**	0.0021	**0.0055**	**0.0073**	**0.0006**	0.0451	0.0283	**0.0026**	0.0018	0.12	**0.0249**	0.0282
MW-20S	2/19/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0012 J	<0.0051	*<0.010*	<0.010	0.0056 J	0.008 J	**0.0348**	**0.0317**	**0.0347**	0.0127	**0.0231**	**0.0345**	**0.0032**	0.0791	0.003 J	**0.0153**	<0.010	0.177	0.0112	0.0482
MW-20S	11/18/2008	--	<0.0049	<0.0021 J	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0094	0.0076	<0.0049	*<0.019*	0.0227	<0.019	<0.019	**0.0536**	**0.0566**	**0.0735**	0.0224	**0.0232**	**0.0479**	**0.0058**	0.09	0.0111 J	**0.029**	<0.019	0.0063 J	0.0105 J	0.0603
MW-20S	12/16/2009	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.00095*	0.0067	0.0022	0.0034	**0.0174**	**0.0186**	**0.024**	0.0078	**0.0083**	**0.0169**	**0.0023**	0.0203	0.004	**0.0099**	<0.00095	0.0021	0.0042	0.0208
MW-20S	12/14/2010	--	<0.0048	0.0059	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.0048*	0.0062	<0.0048	<0.0048	**0.009**	**0.012**	**0.0163**	0.0059	**0.0055**	**0.0091**	**0.0013**	0.0149	<0.0048	**0.0071**	<0.0048	0.14	<0.0048	0.0096
MW-20S	12/16/2011	853.0	<0.0048	0.0059	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0085	<0.00096	0.0023	0.0024	0.0031	**0.0137**	**0.0146**	**0.0181**	0.0057	**0.0072**	**0.0132**	**0.0022**	0.0165	0.002	**0.0086**	<0.00096	0.0012	0.0034	0.0129
MW-20S	7/14/2015	469.0	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	0.0067	0.0112	<0.0047	<0.00094	0.0202	0.0154	0.0109	**0.0641**	**0.0755**	**0.0807**	0.0274	**0.058**	**0.0704**	**0.0111**	0.0898	0.0107	**0.0432**	<0.00094	0.0041	0.0104	0.0547
MW-20S	3/15/2018	212.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0105	<0.00095	<0.00095	**0.00083**	**0.00091**	**0.00088**	0.00044	**0.00069**	**0.00092**	**<0.00019**	0.0012	0.0026	**0.00063**	0.0016	0.0345	0.0013	<0.00095
MW-20S	12/17/2019	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	0.0013	<0.00099	<0.00099	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0031	<0.00099	<0.00099
MW-20D	11/13/2003	--	<0.020	0.245	0.149	0.0629	0.079	*<0.020*	<0.020	**0.131**	**0.0973**	*<0.020*	**0.0545**	0.221	<0.04	0.0109	**0.0077**	**0.0042**	**0.0048**	<0.008	*<0.008*	**0.0051**	*<0.008*	0.0557	0.107	*<0.008*	**0.303**	**4.37**	**0.106**	0.0328
MW-20D	2/18/2004	--	<0.100	0.282	0.112	0.0593 J	.0441 J	*<0.100*	<0.100	**1.17**	**4.81**	*<0.100*	**0.107 J**	**5.92**	**0.598**	1.77	**1.94**	**0.982**	**0.965**	0.351	**0.728**	**1.52**	**0.0935**	**7.87**	**5.52**	**0.423**	**7.26**	**31.20**	**16.70**	**5.53**
MW-20D	9/10/2004	--	<0.100	0.212	0.114	<0.10	<0.10	*<0.10*	<0.10	**0.342**	**0.624**	*<0.100*	*<0.082*	0.861	**0.0853**	0.142	**0.13**	**0.0681**	**0.0646**	0.022	**0.056**	**0.0883**	**0.0104**	**0.555**	0.64	**0.034**	**1.49**	**9.63**	**1.10**	0.355
MW-20D	8/2/2006	--	< 0.08	0.217	0.0864	0.0394 J	< 0.08	*< 0.08*	< 0.08	**0.339**	**0.543**	*< 0.08*	*<0.10*	0.762	*<0.10*	0.102	**0.089**	**0.0485**	**0.0462**	0.0152 J	**0.0407**	**0.0654**	**< 0.02**	**0.406**	0.494	**0.0219**	**0.978**	**6.59**	**0.916**	0.271
MW-20D	7/26/2007	--	< 0.095	0.11	< 0.095	< 0.095	< 0.095	*< 0.095*	< 0.095	**0.428**	**0.853**	*< 0.095*	**0.0116 J**	1.21	0.0589	0.221	**0.219**	**0.139**	**0.154**	0.0473	**0.0929**	**0.183**	**0.0131**	**1.05**	0.956	**0.064**	**1.73**	**10.9**	**2.13**	0.752
MW-20D	11/18/2008	2.2	<0.0049	0.0072	0.0016 J	0.0016 J	<0.0049	<0.0049	<0.0049	0.0069	0.0062	<0.0049	*<0.0039*	0.0091	<0.0039	<0.0039	**0.00039 J**	**0.0003 J**	**0.0004 J**	<0.00078	*<0.00078*	*<0.00078*	*<0.00078*	0.0019 J	0.005	*<0.00078*	0.0109	0.1	0.0064	0.0015 J
MW-20D	12/17/2009	0.0	<0.00109	0.162	0.0414	0.0203	<0.00109	*<0.00109*	<0.00109	**0.231**	**0.307**	<0.00109	*<0.077*	0.476	*<0.077*	*<0.077*	**0.0302**	*<0.015*	**0.0207**	<0.015	*<0.015*	***0.0199***	*<0.015*	0.133	0.29	*<0.015*	**0.515**	**5.65**	**0.384**	**0.104**
MW-20D	12/21/2010	40.3	<0.049	<0.049	<0.049	<0.049	<0.049	*<0.049*	<0.049	**0.19**	**0.246**	*<0.049*	*<0.098*	0.399	*<0.098*	*<0.098*	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.098	0.211	*<0.020*	**0.452**	**3.34**	**0.241**	<0.098
MW-21S	11/13/2003	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.003	0.0033	<0.0010	0.0091	0.00054	0.00071	**0.00089**	**0.0011**	**0.0012**	0.00044	**0.00092**	**0.0008**	<0.00020	0.0029	0.0035	**0.00052**	<0.0010	0.00043	0.00062	0.0015
MW-21S	2/18/2004	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0014 J	<0.0054	*<0.0010*	0.0101	<0.0010	<0.0010	*<0.00020*	0.00016 J	0.00016 J	<0.00020	0.00012 J	0.00011 J	<0.00020	0.00058 J	0.0031	<0.00020	<0.0010	<0.0010	<0.0010	0.00030 J
MW-21S	9/10/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.006	<0.0010	0.008	<0.0010	<0.0010	*<0.0010*	**0.0014**	**0.0014**	0.00069	**0.0009**	**0.00099**	0.00022	0.0041	0.00059	**0.00086**	0.0004	0.0028	0.00088	0.0024
MW-21S	8/2/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	0.000055 J	<0.00020	0.00007 J	<0.00020	<0.00020	<0.00020	<0.00020	0.00051 J	<0.0010	0.000067 J	<0.0010	<0.0010	<0.0010	<0.0010
MW-21S	7/26/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.00099	0.0044	< 0.00099	< 0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0033	< 0.00099	<0.00020	< 0.00099	0.0003	< 0.00099	0.0016
MW-21S	11/18/2008	--	<0.076	0.0209 J	<0.076	<0.076	<0.076	*<0.076*	<0.076	**0.225**	**0.213**	*<0.076*	*<0.120*	0.36	*<0.120*	<0.120	**0.0092**	*<0.024*	**0.0063**	<0.024	*<0.024*	*<0.024*	*<0.024*	0.0485 J	0.185	*<0.024*	**0.448**	**3.580**	**0.211**	<0.120
MW-21S	12/16/2009	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.013	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0023	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-21S	12/14/2010	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-21S	7/14/2015	125.0	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-21S	4/9/2018	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-21S	12/17/2019	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0010	<0.0010	<0.00021	<0.0010	<0.0010	<0.0010	<0.0010
MW-21D	11/13/2003	--	<0.022	0.0116	<0.022	<0.022	<0.022	*<0.022*	<0.022	**0.271**	**0.251**	*<0.022*	*<0.043*	0.445	<0.043	0.0147	*<0.0086*	*<0.0086*	*<0.0086*	<0.0086	*<0.0086*	*<0.0086*	*<0.0086*	0.0206	0.227	*<0.0086*	**0.74**	**7.35**	**0.193**	0.0121
MW-21D	2/18/2004	--	<0.021	0.0263	0.0105 J	<0.021	<0.021	*<0.021*	<0.021	**0.312**	**0.333**	*<0.021*	*<0.042*	0.551	<0.042	0.0241 J	**0.0055 J**	*<0.0084*	*<0.0084*	<0.0084	*<0.0084*	*<0.0084*	*<0.0084*	0.0517	0.292	*<0.0084*	**0.893**	**8.46**	**0.301**	0.0301 J
MW-21D	8/2/2006	--	<0.04	0.0212 J	<0.04	<0.04	<0.04	*<0.04*	<0.04	**0.194**	**0.294**	*<0.04*	*<0.05*	0.469	<0.05	0.0461 J	**0.047**	**0.0253**	**0.0243**	0.0082 J	**0.022**	**0.0363**	*<0.01*	0.224	0.301	**0.0115**	**0.395**	**2.8**	**0.465**	0.146
MW-21D	7/26/2007	--	<0.049	0.0232 J	<0.049	<0.049	<0.049	*<0.049*	<0.049	**0.251**	**0.359**	*<0.049*	*<0.097*	0.463	*<0.097*	<0.097	**0.0205**	**0.0099 J**	**0.0101 J**	<0.019	*<0.019*	**0.0158 J**	*<0.019*	0.111	0.281	**0.0052 J**	**0.539**	**5.82**	**0.361**	0.0764 J
MW-21D	11/18/2008	2.1	<0.095	<0.095	<0.095	<0.095	<0.095	*<0.095*	<0.095	**0.273**	**0.313**	*<0.095*	*<0.190*	0.452	<0.190	<0.190	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.190	0.226	*<0.038*	**0.556**	**5.33**	**0.249**	<0.190
MW-21D	12/17/2009	167.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.186**	**0.263**	<0.020	*<0.080*	0.441	*<0.080*	<0.080	*<0.016*	*<0.016*	*<0.016*	<0.016	*<0.016*	*<0.016*	*<0.016*	*<0.080*	0.225	*<0.016*	**0.275**	**3.46**	**0.235**	<0.080
MW-21D	12/21/2010	305.0	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	**0.177**	**0.192**	<0.019	*<0.096*	0.416	*<0.096*	<0.096	*<0.019*	*<0.019*	*<0.019*	*<0.019*	*<0.019*	*<0.019*	*<0.019*	<0.096	0.22	*<0.019*	**0.397**	**3.84**	**0.185**	<0.096

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-22D	11/13/2003	--	<0.020	0.089	0.0487	0.0908	0.0146	*<0.020*	<0.020	**0.0906**	**0.159**	**0.0101**	**0.0771**	0.241	0.026	0.0357	**0.0326**	**0.0161**	**0.0191**	0.0049	**0.0129**	**0.0253**	*<0.004*	0.171	0.201	**0.0062**	**0.268**	**1.85**	**0.399**	0.112
MW-22D	2/18/2004	--	<0.011	0.0478	0.029	0.055	0.0091 J	*<0.011*	<0.011	0.0355	**0.0367**	*<0.011*	**0.0284**	0.0658	0.0079 J	0.0061 J	**0.0022**	*<0.0021*	*<0.0021*	<0.0021	*<0.0021*	**0.0017 J**	*<0.0021*	0.0181	0.0422	*<0.0021*	**0.0938**	1.02	**0.061**	0.011
MW-22D	9/10/2004	--	<.049	0.0478	0.0259	0.0476	<0.049	*<0.049*	<0.049	**0.0792**	**0.147**	*<0.049*	**0.0323**	0.174	0.0217	0.0357	**0.0368**	**0.0199**	**0.0205**	0.0066	**0.0142**	**0.0257**	**0.0023**	0.161	0.158	**0.0088**	**0.254**	**1.57**	**0.298**	0.105
MW-22D	8/2/2006	--	<0.049	**0.918**	0.433	0.805	0.116	*<0.049*	<0.049	**0.310**	**0.275**	*<0.049*	**0.324**	0.374	0.0414 j	0.0344 J	**0.0152**	**0.0068 J**	**0.0069 J**	<0.0098	**0.0059 J**	**0.0105**	*<0.0098*	0.0902	0.206	**0.003 J**	**0.567**	**5.34**	**0.304**	0.0563
MW-22D	7/26/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0278	**0.0622**	0.0024 J	*< 0.02*	0.0767	< 0.02	0.0135 J	**0.0112**	**0.0065**	**0.0074**	0.0027 J	**0.0055**	**0.0091**	*<0.004*	0.052	0.0645	**0.0038 J**	**0.0686**	0.549	**0.129**	0.0389
MW-22D	11/18/2008	3.7	<0.019	0.152 J	0.0062 J	0.0092 J	<0.019	<0.019	<0.019	0.0288	**0.0656**	*<0.019*	*<0.024*	0.0891	<0.024	0.0179 J	**0.0213**	**0.0111**	**0.0156**	0.0034 J	**0.005**	**0.0159**	*<0.0048*	0.0934	0.0737	**0.0042 J**	**0.0774**	0.787	**0.184**	0.0687
MW-22D	12/17/2009	>1000	<0.019	0.0284	<0.019	<0.019	<0.019	<0.019	**0.0489**	**0.264**	<0.019	*<0.024*	0.335	0.0283	0.0626	**0.0622**	**0.0312**	**0.0414**	0.0112	**0.0152**	**0.0402**	*<0.0048*	0.242	0.292	**0.0139**	**0.136**	1.13	**0.609**	0.249
MW-22D	12/21/2010	>1000	<0.048	0.0149	0.0071	0.0084	<0.048	<0.048	<0.048	0.028	**0.0608**	<0.048	*<0.19*	1.14	<0.19	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.802	*<0.038*	**0.653**	**5.49**	**1.16**	<0.19
MW-22D	7/15/2015	34.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0056	0.0087	<0.0048	<0.00095	0.0107	<0.00095	0.0016	**0.0018**	**0.00089**	**0.0013**	0.00035	**0.00044**	**0.0014**	<0.00019	0.0089	0.0076	**0.00042**	0.0065	0.107	0.0153	0.0056
MW-22D	3/15/2018	3.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0227	0.0159	<0.0048	<0.019	0.0215	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	<0.019	*<0.0038*	<0.019	0.326	<0.019	<0.019
MW-23D	11/13/2003	--	<0.021	**1.03**	0.331	0.407	0.105	*<0.021*	<0.021	**0.3**	**0.186**	**0.0366**	**0.568**	0.396	*<0.100*	<0.100	*<0.021*	*<0.021*	*<0.021*	<0.021	*<0.021*	*<0.021*	*<0.021*	0.0274	0.191	*<0.021*	**0.645**	**9.27**	**0.154**	<0.100
MW-23D	2/18/2004	--	<0.050	**1.13**	0.422	0.527	0.134	*<0.050*	<0.050	**0.321**	**0.23**	**0.0956**	**0.491**	0.416	0.0512	0.034 J	**0.0162**	**0.0077 J**	**0.0079 J**	<0.008	**0.007 J**	**0.0119**	*<0.008*	0.0981	0.237	*<0.008*	**0.71**	**7.78**	**0.31**	0.062
MW-23D	9/10/2004	--	<0.048	**1.17**	0.436	0.563	0.15	*<0.048*	<0.048	**0.31**	**0.231**	**0.183**	**0.495**	0.375	0.0449	0.0335	**0.0208**	**0.0111**	**0.0125**	0.0076	**0.0074**	**0.0143**	*<0.0076*	0.106	0.224	**0.0084**	**0.663**	**5.53**	**0.382**	0.0637
MW-23D	8/2/2006	--	0.022	**0.762**	0.279	0.316	0.129	*<0.021*	<0.021	**0.169**	**0.113**	**0.0184 J**	**0.105**	0.231	<0.053	<0.053	**0.0034 J**	*<0.011*	*<0.011*	<0.011	*<0.011*	*<0.011*	*<0.011*	0.0225 J	0.109	*<0.011*	**0.132**	**1.28**	**0.0939**	0.0147 J
MW-23D	7/26/2007	--	0.0194 J	0.622	0.19	0.175	0.0703	*<0.025*	<0.025	**0.238**	**0.132**	**0.0279**	**0.0659**	0.224	0.0207 J	<0.04	**0.0037 J**	*< 0.0079*	*< 0.0079*	< 0.0079	*< 0.0079*	*< 0.0079*	*< 0.0079*	0.0251 J	0.114	*< 0.0079*	**0.178**	**1.52**	**0.0973**	0.0176 J
MW-23D	11/18/2008	12.2	<0.020	0.0973	0.027	0.0136 J	0.007 J	*<0.020*	<0.020	<0.020	**0.0211**	**<0.020**	**0.0748**	0.0544	0.0031 J	<0.0038	**0.00031 J**	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	0.0032 J	0.026	*<0.00076*	<0.0038	0.0015 J	0.0175	0.0021 J
MW-23D	12/16/2009	3.6	0.0061	0.0666	0.013	0.0149	<0.0048	<0.0048	<0.0048	**0.0782**	**0.073**	*<0.0048*	**0.0533**	0.111	<0.019	<0.0038	*<0.0038*	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	0.0533	<0.0038	**0.139**	**1.26**	**0.0429**	<0.0038
MW-23D	12/17/2010	35.3	<0.0096	0.0256	<0.0096	<0.0096	<0.0096	<0.0096	0.016	<0.0096	<0.0096	**0.0096**	0.0382	<0.0038	0.0038	*0.0118*	**0.0077**	**0.0104**	0.0028	**0.004**	**0.0097**	<0.00077	0.0319	0.0077	**0.0037**	<0.0038	0.0082	**0.022**	0.0305
MW-23D	12/16/2011	76.5	<0.019	0.11	0.0563	<0.019	<0.019	<0.019	<0.019	**0.0562**	**0.0464**	<0.019	**0.0299**	0.0791	<0.0095	<0.0095	*<0.0019*	*<0.0019*	*<0.0019*	<0.0019	*<0.0019*	*<0.0019*	*<0.0019*	<0.0095	0.0375	*<0.0019*	**0.141**	**1.52**	**0.0333**	<0.0095
MW-23D	7/16/2015	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.009	<0.0050	<0.0010	0.0322	0.0012	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	0.0015	0.0124	*<0.00020*	<0.0010	<0.0010	<0.0010	<0.0010
MW-23D	3/15/2018	32.0	<0.0049	0.0419	0.0055	<0.0049	<0.0049	<0.0049	**0.142**	<0.0049	<0.0049	<0.0049	*<0.098*	0.122	<0.098	<0.098	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.098	<0.098	*<0.020*	<0.098	**2.68**	<0.098	<0.098
MW-23D	1/7/2020	122.0	<0.0050	0.0317	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.189**	**0.0988**	<0.0050	*<0.010*	NA	<0.0040	0.004	*<0.00080*	*<0.00080*	*<0.00080*	<0.00080	*<0.00080*	*<0.00080*	*<0.00080*	0.0048	0.0684	*<0.00080*	NA	**5.37**	**0.0516**	<0.0040
MW-24A	11/17/2008	--	Not Sampled do the presence of Free-product																											
MW-24A	3/3/2009	--	<0.057	**1.1**	0.418	0.678	0.104	*<0.057*	<0.057	**0.395**	**0.458**	*<0.057*	**0.167**	0.705	**0.0896 J**	0.0877 J	**0.0761**	**0.0393**	**0.0521**	0.0101 J	**0.02 J**	**0.0558**	*< 0.023*	**0.357**	0.494	**0.0150 J**	**1.31**	**10.6**	**0.863**	0.241
MW-24A	12/17/2009	16.4	<0.12	**1.3**	0.478	0.757	<0.12	*<0.12*	<0.12	**0.408**	**0.43**	*<0.12*	*<0.19*	0.654	*<0.19*	<0.19	**0.0703**	*<0.038*	**0.0461**	<0.038	*<0.038*	**0.0486**	*<0.038*	**0.293**	0.459	*<0.038*	**0.977**	**10.0**	**0.8**	0.236
MW-24A	12/21/2010	12.6	<0.098	**1.2**	0.439	0.654	<0.098	*<0.098*	<0.098	**0.442**	**0.565**	*<0.098*	*<0.49*	0.772	*<0.49*	<0.49	**0.141**	*<0.098*	*<0.098*	<0.098	*<0.098*	**0.105**	*<0.098*	**0.622**	0.611	*<0.098*	**1.22**	**11.5**	**1.4**	<0.49
MW-24A	3/11/2011	48.8	<0.095	**1.4**	0.534	0.725	<0.095	*<0.095*	<0.095	**0.398**	**0.439**	*<0.095*	**0.172**	0.584	0.0651	0.105	**0.0807**	**0.0408**	**0.056**	0.0129	**0.0208**	**0.0617**	*<0.0095*	**0.364**	0.413	**0.0173**	**1.02**	**11.5**	**0.858**	0.23
MW-24A	6/24/2011	--	<0.097	**1.03**	0.283	0.391	<0.097	*<0.097*	<0.097	**0.444**	**0.518**	*<0.097*	*<0.97*	<0.97	*<0.97*	<0.97	*<0.19*	*<0.19*	*<0.19*	<0.19	*<0.19*	*<0.19*	*<0.19*	*<0.97*	<0.97	*<0.19*	**1.31**	**15.5**	**1.32**	*<0.97*
MW-24A	9/28/2011	26.7	*<0.19*	**1.23**	0.421	0.596	<0.19	*<0.19*	*<0.19*	**0.377**	**0.536**	*<0.19*	*<0.49*	0.635	*<0.49*	<0.49	**0.117**	*<0.097*	*<0.097*	<0.097	*<0.097*	*<0.097*	*<0.097*	**0.543**	0.502	*<0.097*	**0.998**	**9.7**	**1.17**	<0.49
MW-25A	11/18/2008	70.9	<0.0049	0.0086	0.0066	0.0028 J	0.022 J	<0.0049	<0.0049	**0.0468**	**0.051**	<0.0049	**0.0034 J**	0.142	<0.0098	<0.0098	*<0.002*	*<0.002*	*<0.002*	<0.002	*<0.002*	*<0.002*	*<0.002*	0.0113	0.0682	*<0.002*	0.0203	0.265	**0.0582**	0.0069 J
MW-25A	12/15/2009	97.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0134	**0.0296**	<0.0049	*<0.0049*	0.151	<0.0049	<0.0049	*<0.0098*	*<0.0098*	*<0.0098*	*<0.0098*	<0.0098	*<0.0098*	*<0.0098*	*<0.0098*	0.0075	0.0521	*<0.00098*	<0.0049	0.016	**0.0225**	0.0053
MW-25A	12/17/2010	>1000	<0.0048	0.102	0.0633	<0.0048	<0.0048	<0.0048	<0.0048	0.0104	**0.0275**	<0.0048	<0.00096	0.0911	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0289	<0.00019	<0.00096	0.345	0.0175	<0.00096
MW-25A	3/7/2011	89.1	<0.024	0.22	0.122	0.0424	<0.024	<0.024	<0.024	**0.049**	**0.0784**	*<0.024*	*<0.019*	0.203	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0712	*<0.0038*	**0.0472**	**1.56**	**0.0516**	<0.019
MW-25A	6/23/2011	--	<0.049	0.242	0.118	<0.049	<0.049	<0.049	<0.049	**0.0575**	**0.0705**	*<0.049*	*<0.039*	0.18	<0.039	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	0.0662	*<0.0078*	**0.0395**	1.14	**0.0496**	<0.039
MW-25A	9/28/2011	>1000	<0.049	0.29	0.186	<0.049	<0.049	<0.049	<0.049	**0.0632**	**0.0739**	*<0.096*	*<0.049*	0.209	<0.049	<0.049	*<0.0098*	*<0.0098*	*<0.0098*	<0.0098	*<0.0098*	*<0.0098*	*<0.0098*	<0.049	0.0695	*<0.0098*	**0.0924**	**1.7**	**0.0516**	<0.049
MW-25A	12/16/2011	55.8	<0.019	0.11	0.0563	<0.019	<0.019	<0.019	<0.019	**0.0585**	**0.101**	*<0.019*	*<0.0096*	0.262	<0.0096	<0.0096	*<0.0019*	*<0.0019*	*<0.0019*	<0.0019	*<0.0019*	*<0.0019*	*<0.0019*	0.0137	0.110	*<0.0019*	**0.1**	**1.42**	**0.101**	<0.0096
MW-25A	4/4/2012	68.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.008	**0.0193**	<0.0048	<0.00095	0.0414	<0.00095	0.0017	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0072	0.026	<0.00019	0.002	0.0755	0.0179	0.0035
MW-25A	7/10/2012	31.6	<0.038	0.208	<0.038	<0.038	<0.038	<0.038	<0.038	**0.302**	**0.0509**	<0.0048	*<0.0038*	0.137	0.0044	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	0.0128	0.057	*<0.00076*	<0.0038	0.111	**0.0302**	0.0061
MW-25A	10/3/2012	18.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0056	**0.0123**	<0.0048	<0.00095	0.0218	<0.00095	0.0016	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0088	0.017	<0.00019	<0.00095	0.0181	0.0048	0.0047
MW-25A	7/14/2015	105.0	<0.0048	0.0107	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0151	**0.0227**	<0.0048	<0.00095	0.603	<0.00095	0.0014	*0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0073	0.270	<0.00019	<0.00095	0.436	0.0033	0.0036
MW-25A	3/13/2018	13.8	0.0052	0.0255	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0327	**0.0371**	0.0048	*<0.019*	0.0736	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.034	<0.0038	0.0233	0.689	<0.019	<0.019
MW-26A	11/18/2008	--	<0.019	0.0058 J	<0.019	<0.019	<0.019	*<0.019*	<0.019	0.0081 J	**0.0277**	*<0.019*	**0.0518**	0.048	<0.015	<0.015	**0.0037**	**0.0015 J**	**0.0022 J**	<0.003	*<0.003*	**0.0023 J**	*<0.003*	0.0203	0.0361	*<0.003*	**0.0445**	0.321	**0.0586**	0.0185
MW-26A	12/16/2009	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0237**	0.0092	<0.00095	<0.00095	**0.00029**	**0.00029**	**0.00042**	<0.00019	<0.00019	**0.00024**	<0.00019	0.0014	0.0046	<0.00019	0.003	0.019	**0.0022**	<0.00095
MW-26A	12/16/2010	6.2	<0.0050	0.0089	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0455**	0.0084	<0.0020	<0.0020	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0025	0.0025	<0.00040	<0.0020	0.002	<0.0020	<0.0020
MW-26A	3/7/2011	10.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0449**	0.0035	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0013	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-26A	6/24/2011	--	<0.019	<0.019	<0.019	<0.019	<0.019	*<0.019*	<0.019	<0.019	*<0.019*	*<0.019*	**0.062**	0.0039	<0.0038	<0.0038	*<0.00077*	*<0.00077*	*<0.00077*	<0.00077	*<0.00077*	*<0.00077*	*<0.00077*	<0.0038	<0.0038	<0.00077	<0.0038	<0.0038	<0.00038	<0.00038
MW-26A	9/28/2011	26.6	<0.024	0.0243	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	*<0.024*	*<0.024*	**0.112**	0.0112	<0.0048	<0.0048	*<0.00096*	*<0.00096*	*<0.00096*	<0.00096	*<0.00096*	*<0.00096*	*<0.00096*	<0.0048	0.0057	<0.00096	0.0098	0.12	0.0058	<0.0048
MW-26A	12/14/2011	50.0	<0.019	0.0292	<0.019	<0.019	<0.019	<0.019	<0.019	0.0215	**0.024**	*<0.019*	**0.0972**	0.05	<0.019	<0.019	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	0.02	0.0351	*<0.0038*	0.0227	0.338	**0.0435**	<0.019
MW-26A	4/4/2012	151.0	<0.0050	0.0421	0.0069	0.0084	<0.0050	<0.0050	<0.0050	**0.0508**	**0.0272**	<0.0050	**0.0907**	0.0393	0.0085	0.004	*<0.00080*	*<0.00080*	*<0.00080*	<0.00080	*<0.00080*	*<0.00080*	*<0.00080*	0.0073	0.0251	*<0.00080*	**0.0591**	1.14	**0.0274**	<0.0040
MW-26A	7/13/2012	18.2	<0.019	0.0339	<0.019	<0.019	<0.019	<0.019	<0.019	**0.076**	**0.0495**	*<0.019*	**0.0723**	0.0626	<0.019	<0.019	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.019	0.0408	*<0.0038*	**0.122**	**3.38**	**0.0425**	<0.019
MW-26A	10/2/2012	175.0	<0.019	0.0515	<0.019	<0.019	<0.019	<0.019	<0.019	**0.164**	**0.133**	*<0.019*	**0.207**	<0.19	<0.19	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.366**	**3.99**	*<0.19*	<0.19
MW-27A	11/17/2008	--	Not Sampled do the presence of Free-product																											
MW-27A	3/3/2009	--	<0.056	0.437	0.136	0.198	0.0233 J	*<0.056*	<0.056	**0.389**	**0.839**	*<0.056*	**0.0745 J**	1.04	**0.107 J**	0.221	**0.213**	**0.114**	**0.159**	0.0316	**0.052**	**0.161**	0.0099 J	**0.943**	0.864	**0.0458**	**1.59**	**10.1**	**1.91**	0.646
MW-27A	12/17/2009	14.9	<0.096	0.319	<0.096	<0.096	<0.096	<0.096	<0.096	**0.723**	**2.32**	<0.096	*<0.038*	4.11	<0.038	0.057	**1.11**	**0.545**	**0.746**	0.182	**0.26**	**0.737**	<0.077	**4.03**	**3.85**	**0.237**	**4.48**	**23.2**	**9.13**	**4.02**
MW-27A	4/15/2010	101.0	<0.038	0.239	0.0686	0.0612	<0.038	<0.038	<0.038	**0.151**	**0.546**	<0.038	*<0.38*	0.756	*<0.38*	<0.38	**0.103**	*<0.076*	*<0.076*	<0.076	*<0.076*	**0.0783**	*<0.076*	**0.523**	0.576	*<0.076*	**1.21**	**12.3**	**1.22**	<0.38
MW-27A	6/6/2013	--	Convert to RW-17		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential		--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																													
MW-28A	2/12/2009	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0031	<0.005	0.0036	<0.0010	0.0051	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0012	<0.00020	0.0026	0.0196	0.00082	<0.0010
MW-28A	8/5/2009	5.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.00099	<0.00096	<0.00096	0.000055 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.00096	0.0057	<0.00096	<0.00096
MW-28A	12/16/2009	--	Frozen: No Sample Collected																											
MW-28A	6/16/2010	9.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-28A	9/21/2010	0.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0046	<0.00095	<0.00095
MW-28A	3/8/2011	43.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0035	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0034	<0.00095	<0.00095
MW-28A	6/22/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-28A	9/27/2011	10.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0019	<0.00096	<0.00096
MW-28A	12/15/2011	12.4	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00019	<0.00097	<0.00097
MW-28A	4/5/2012	0.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0019	<0.00096	<0.00096
MW-28A	7/11/2012	52.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28A	10/2/2012	2.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28A	7/16/2015	19.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-28A	3/14/2018	10.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0014	<0.0014	<0.0014	<0.0014	*<0.00029*	*<0.00029*	*<0.00029*	*<0.00029*	*<0.00029*	*<0.00029*	*<0.00029*	<0.0014	<0.0014	*<0.00029*	<0.0014	<0.0014	<0.0014	<0.0014
MW-28B	2/12/2009	--	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	0.0409	0.0066	*<0.020*	*<0.0039*	0.059	<0.0039	<0.0039	*<0.00078*	*<0.00078*	*<0.00078*	<0.00078	*<0.00078*	*<0.00078*	*<0.00078*	<0.0039	0.0156	*<0.00078*	**0.0811**	0.4300	0.0059	<0.0039
MW-28B	8/5/2009	1.1	<0.0048	0.009	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0753**	**0.0151**	<0.0048	*<0.019*	0.102	<0.019	<0.019	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0315	*<0.0038*	**0.137**	0.9360	0.0122 J	<0.019
MW-28B	12/16/2009	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0561**	0.0095	<0.0049	*<0.0039*	0.102	<0.0039	<0.0039	*<0.00078*	*<0.00078*	*<0.00078*	<0.00078	*<0.00078*	*<0.00078*	*<0.00078*	<0.0039	0.0303	*<0.00078*	**0.113**	0.1710	0.0124	<0.0039
MW-28B	6/16/2010	14.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0326	<0.0048	<0.0048	<0.0048	*<0.00109*	0.0512	<0.00109	<0.00109	*<0.00038*	*<0.00038*	*<0.00038*	<0.00038	*<0.00038*	*<0.00038*	*<0.00038*	<0.00109	0.0144	*<0.00038*	0.0254	0.0099	0.0076	<0.00109
MW-28B	9/21/2010	0.1	<0.0048	0.0135	<0.0048	<0.0048	<0.0048	<0.0048	**0.0699**	**0.0193**	*<0.0048*	*<0.0076*	0.105	<0.0076	<0.0076	*<0.0076*	*<0.0076*	*<0.0010*	<0.0010	*<0.0010*	*<0.0010*	*<0.0010*	<0.0076	0.0340	*<0.0010*	**0.151**	**1.34**	0.0142	<0.0076
MW-28B	12/15/2010	36.4	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0715**	**0.0162**	<0.0049	*<0.019*	0.108	<0.019	<0.019	*<0.0039*	*<0.0039*	*<0.0039*	<0.0039	*<0.0039*	*<0.0039*	*<0.0039*	<0.019	0.0332	*<0.0039*	**0.139**	0.49	<0.019	<0.019
MW-28B	3/8/2011	53.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0434**	<0.0048	<0.0048	*<0.0038*	0.0803	<0.0038	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.0213	*<0.00076*	**0.0591**	0.01	0.0094	<0.0038
MW-28B	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0313	<0.0050	<0.0050	*<0.0020*	0.0516	<0.0020	<0.0020	*<0.00040*	*<0.00040*	*<0.00040*	<0.00040	*<0.00040*	*<0.00040*	*<0.00040*	<0.0020	0.0144	*<0.00040*	0.0147	0.01	0.0069	<0.0020
MW-28B	9/27/2011	4.1	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0574**	<0.019	<0.019	*<0.019*	0.0825	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0269	*<0.0038*	**0.102**	0.40	<0.019	<0.019
MW-28B	12/13/2011	15.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0412	<0.0048	<0.0048	*<0.0038*	0.0704	<0.0038	<0.0038	*<0.00077*	*<0.00077*	*<0.00077*	<0.00077	*<0.00077*	*<0.00077*	*<0.00077*	<0.0038	0.0218	*<0.00077*	**0.0525**	0.005	0.0118	<0.0038
MW-28B	4/5/2012	16.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0421	0.0077	<0.0049	<0.00097	0.0593	<0.00097	<0.00097	*<0.00097*	*<0.00097*	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0156	<0.00019	**0.0518**	0.0294	0.0069	<0.00097
MW-28B	7/11/2012	4.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0457**	0.0116	<0.0048	*<0.019*	0.0744	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0234	*<0.0038*	**0.0908**	0.43	<0.019	<0.019
MW-28B	10/2/2012	7.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0516**	0.0113	<0.0048	*<0.00095*	0.0648	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0178	<0.00019	**0.079**	0.08	0.0076	<0.00095
MW-28B	7/16/2015	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0251	<0.0048	<0.0048	<0.00096	0.05	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0131	<0.00019	<0.00096	0.0012	0.0063	<0.00096
MW-28B	3/14/2018	1.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.044**	0.0133	<0.0048	<0.0050	0.121	<0.0050	<0.0050	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	<0.0050	0.0323	<0.0010	0.0431	0.132	0.0123	<0.0050
MW-28B	1/7/2020	31.4	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.054**	<0.0050	<0.0050	<0.0010	0.115	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0361	<0.00020	0.0019	0.0045	**0.0215**	<0.0010
MW-28C	2/12/2009	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-28C	8/5/2009	4.7	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-28C	12/16/2009	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	0.0027	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	0.0017	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-28C	6/16/2010	8.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-28C	9/21/2010	0.2	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0015	<0.00097	<0.00097
MW-28C	12/15/2010	21.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-28C	3/8/2011	14.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28C	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0022	<0.00097	<0.00097
MW-28C	9/27/2011	7.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.001	<0.00095	<0.00095
MW-28C	12/13/2011	9.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28C	4/5/2012	120.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-28C	7/11/2012	2.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28C	10/2/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-28C	7/16/2015	6.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-28C	3/14/2018	14.0	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.002	<0.00095	<0.00095
MW-28C	1/7/2020	8.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0039	<0.0010	<0.0010
MW-29A	2/12/2009	107.8	<0.0049	0.0046	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0182	**0.0306**	**0.0085**	<0.00098	0.06	0.0022	0.0085	**0.0018**	**0.00088**	**0.0015**	0.00042	**0.00048**	**0.002**	0.00013	0.0174	0.0393	**0.00048**	0.0011	0.0016	**0.0547**	0.0107
MW-29A	8/5/2009	5.7	<0.0049	0.0043 J	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0096	0.0063	<0.0049	<0.00098	0.0199	0.00054 J	0.0022	**0.00028**	0.000068 J	0.00010 J	<0.00020	<0.00020	**0.00024**	<0.00020	0.0049	0.0112	<0.00020	<0.00098	<0.00098	0.0081	0.003
MW-29A	12/15/2009	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0085	0.0089	<0.0050	*<0.0020*	0.0193	<0.0020	0.0031	**0.001**	*<0.0040*	**0.00051**	<0.0040	*<0.0040*	**0.00093**	*<0.0040*	0.0078	0.013	*<0.0040*	0.008	0.0514	0.0131	0.0069
MW-29A	6/17/2010	104.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.005	<0.0050	<0.0050	<0.0010	0.0078	<0.0010	0.0012	**0.0002**	<0.00020	<0.00020	<0.00020	<0.00020	**0.00023**	<0.00020	0.003	0.0053	<0.00020	<0.0010	0.0029	0.0032	0.0025
MW-29A	9/21/2010	0.2	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0055	<0.0049	<0.0049	<0.00097	0.0074	<0.00097	0.0013	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0026	0.0052	<0.00019	0.0041	0.027	0.0048	0.0017
MW-29A	3/11/2011	39.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0052	<0.0048	<0.0048	<0.00095	0.0072	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0011	0.0045	<0.00019	0.0035	0.0273	0.0035	<0.00095
MW-29A	6/24/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-29A	9/30/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0072	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	0.005	<0.00019	0.0033	0.0154	0.0032	<0.00095
MW-29A	12/14/2011	22.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0065	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00095	0.0045	<0.00019	0.0027	0.011	0.0026	<0.00095
MW-29A	7/13/2012	25.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0016	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.001	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-29A	10/4/2012	53.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0059	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00096	0.0044	<0.00019	<0.00095	0.0051	0.0028	<0.00095
MW-29A	7/17/2015	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00095	0.0012	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0019	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-29A	3/26/2018	--	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	0.014	<0.00094	0.0039	<0.00094	0.001	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.001	0.004	<0.00019	0.002	0.0111	0.0041	<0.00094
MW-29B	3/3/2009	--	<0.11	**1.63**	0.153	0.0817 J	0.0815 J	*<0.11*	*<0.11*	**0.415**	**0.51**	*<0.11*	**0.201 J**	0.823	*<0.22*	0.123 J	**0.075**	**0.0383 J**	**0.0541**	<0.044	**0.0187 J**	**0.0557**	*<0.044*	**0.386**	0.581	**0.0125 J**	**1.71**	**14**	**1.01**	0.248
MW-29B	8/5/2009	31.4	<0.099	0.494	0.0603 J	0.0462 J	0.0355 J	*<0.099*	<0.099	**0.411**	**0.432**	*<0.099*	**0.505**	0.653	*<0.40*	<0.40	**0.0646 J**	**0.0313 J**	**0.0430 J**	<0.079	*<0.079*	**0.0480 J**	*<0.079*	**0.312 J**	0.453	*<0.079*	**1.02**	**11.6**	**0.763**	0.206
MW-29B	12/17/2009	27.8	<0.048	0.339	0.0625	<0.048	<0.048	*<0.048*	<0.048	**0.343**	**0.332**	*<0.048*	**0.623**	0.503	*<0.019*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.038	0.312	*<0.038*	**0.806**	**8.6**	**0.444**	<0.019
MW-29B	6/17/2010	--	<0.098	0.196	<0.098	<0.098	<0.098	*<0.098*	<0.098	**0.321**	**0.413**	*<0.098*	**0.376**	0.662	*<0.20*	<0.20	**0.0535**	*<0.039*	*<0.039*	<0.039	**0.0411**	*<0.039*	**0.271**	0.441	*<0.039*	**1.11**	**11.2**	**0.728**	0.2
MW-29B	9/21/2010	0.2	<0.050	0.129	<0.050	<0.050	<0.050	*<0.050*	<0.050	**0.322**	**0.429**	*<0.050*	**0.198**	0.602	*<0.10*	0.112	**0.0934**	**0.0461**	**0.0663**	<0.020	**0.0200**	**0.0675**	*<0.020*	**0.439**	0.464	**0.0204**	**0.909**	**9.47**	**0.965**	0.281
MW-29B	12/21/2010	30.8	<0.040	0.183	<0.040	<0.040	<0.040	*<0.040*	<0.040	**0.263**	**0.31**	*<0.040*	**0.21**	0.337	*<0.20*	<0.20	*<0.040*	*<0.040*	*<0.040*	<0.040	*<0.040*	*<0.040*	*<0.040*	<0.20	0.224	*<0.040*	**0.572**	**5.21**	**0.382**	<0.20
MW-29B	3/11/2011	64.7	<0.096	0.125	<0.096	<0.096	<0.096	*<0.096*	<0.096	**0.286**	**0.316**	*<0.096*	**0.143**	0.311	<0.038	0.0458	**0.0142**	*<0.0077*	0.009	<0.0077	*<0.0077*	0.0102	*<0.0077*	0.0779	0.194	<0.0077	**0.522**	**7.58**	**0.273**	<0.038
MW-29B	6/24/2011	--	*<0.20*	0.325	<0.20	<0.20	<0.20	*<0.20*	*<0.20*	**0.315**	**0.419**	*<0.98*	*<0.98*	<0.98	*<0.98*	<0.98	*<0.20*	*<0.20*	*<0.20*	*<0.20*	*<0.20*	*<0.20*	*<0.20*	*<0.98*	<0.98	*<0.20*	*<0.98*	**12.50**	*<0.98*	*<0.98*
MW-29B	9/28/2011	82.3	<0.096	0.29	<0.096	<0.096	<0.096	<0.096	<0.096	**0.362**	**0.534**	*<0.096*	**1.01**	0.584	*<0.19*	<0.19	**0.0885**	**0.0381**	**0.0561**	<0.038	*<0.038*	**0.0671**	*<0.038*	**0.418**	0.438	*<0.038*	**0.0849**	**7.36**	**0.937**	0.274
MW-29B	7/15/2015	316.0	0.0275	0.197	0.0372	0.0244	0.0226	0.139	<0.022	**0.292**	**0.344**	*<0.022*	**0.202**	0.476	*<0.11*	<0.11	**0.0427**	<0.022	**0.0262**	<0.022	*<0.022*	**0.0348**	*<0.022*	0.22	0.323	*<0.022*	**0.734**	**8.88**	**0.576**	0.141

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-30A	11/4/2009	70.4	0.0565 J	**0.824**	<0.10	0.376	0.0242 J	<0.10	*<0.10*	**0.222**	**0.127**	*<0.10*	*<0.1*	0.267	*<0.10*	<0.10	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.10	0.0987 J	<0.020	**0.492**	**9.28**	**0.0465 J**	<0.10
MW-30A	12/16/2009	263.0	<0.10	0.628	0.119	0.279	<0.10	<0.10	*<0.10*	**0.167**	*<0.10*	*<0.10*	*<0.10*	0.204	*<0.10*	<0.10	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.10	<0.10	<0.020	**0.334**	**5.60**	*<0.10*	<0.10
MW-30A	6/16/2010	74.8	<0.020	0.407	0.145	0.163	<0.020	<0.020	<0.020	**0.0726**	**0.0298**	*<0.020*	*<0.039*	0.0751	<0.039	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	<0.039	<0.039	**0.0756**	1.12	*<0.039*	<0.039
MW-30A	9/23/2010	104.0	<0.049	**0.742**	0.191	0.188	<0.049	<0.049	<0.049	**0.211**	**0.0975**	*<0.049*	*<0.49*	<0.49	*<0.49*	<0.098	*<0.098*	*<0.098*	*<0.098*	<0.098	*<0.098*	*<0.098*	*<0.098*	*<0.49*	<0.49	*<0.098*	*<0.49*	**8.14**	*<0.49*	<0.49
MW-30A	12/16/2010	>1000	<0.19	0.715	<0.19	<0.19	<0.19	<0.19	*<0.19*	**0.238**	*<0.19*	*<0.19*	*<0.38*	0.395	*<0.38*	<0.38	*<0.077*	*<0.077*	*<0.077*	<0.077	*<0.077*	*<0.077*	*<0.077*	*<0.38*	<0.38	*<0.077*	**0.61**	**8.61**	*<0.38*	<0.38
MW-30A	3/8/2011	24.0	<0.095	0.522	0.118	<0.095	<0.095	<0.095	<0.095	**0.175**	*<0.095*	*<0.095*	*<0.095*	0.217	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	**0.369**	**3.56**	*<0.095*	<0.095
MW-30A	6/24/2011	--	<0.048	0.527	0.122	0.0733	<0.048	<0.048	<0.048	**0.164**	**0.0898**	*<0.048*	*<0.096*	0.194	*<0.096*	<0.096	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.096	<0.096	*<0.019*	**0.291**	**7.5**	*<0.096*	<0.096
MW-30A	9/30/2011	8.7	<0.019	0.492	0.106	0.083	<0.019	<0.019	<0.019	**0.117**	**0.0523**	*<0.019*	*<0.096*	0.166	*<0.096*	<0.096	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.096	<0.096	*<0.019*	**0.281**	**5.41**	*<0.096*	<0.096
MW-30A	12/16/2011	84.3	<0.048	0.582	0.123	0.0675	<0.048	<0.048	<0.048	**0.191**	**0.115**	*<0.048*	*<0.19*	0.254	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.446**	**8.54**	*<0.19*	<0.19
MW-30A	4/4/2012	25.0	<0.096	0.566	0.106	<0.096	<0.096	<0.096	<0.096	**0.179**	*<0.096*	*<0.096*	*<0.19*	<0.19	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.264**	**4.86**	*<0.19*	<0.19
MW-30A	7/12/2012	15.2	<0.048	0.475	0.102	0.0745	<0.048	<0.048	<0.048	**0.188**	**0.102**	*<0.048*	*<0.048*	0.224	*<0.048*	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	0.0824	*<0.0095*	**0.398**	**7.33**	*<0.048*	<0.048
MW-30A	10/3/2012	256.0	<0.048	0.493	0.0978	<0.048	<0.048	<0.048	<0.048	**0.178**	**0.0937**	*<0.048*	*<0.24*	<0.24	*<0.24*	<0.24	*<0.048*	*<0.048*	*<0.048*	<0.048	*<0.048*	*<0.048*	*<0.048*	<0.24	<0.24	*<0.048*	**0.326**	**5.97**	*<0.24*	<0.24
MW-30A	7/16/2015	0.0	0.0308	0.15	0.0201	<0.020	<0.020	<0.020	<0.020	**0.061**	**0.0329**	<0.020	*<0.040*	0.0809	<0.040	<0.040	*<0.0080*	*<0.0080*	*<0.0080*	<0.0080	*<0.0080*	*<0.0080*	*<0.0080*	<0.040	<0.040	*<0.0080*	**0.091**	**3.56**	*<0.040*	<0.040
MW-30A	3/12/2018	1.2	<0.019	0.209	0.0311	<0.019	<0.019	<0.019	<0.019	**0.221**	0.13	*<0.019*	*<0.048*	0.281	<0.048	0.281	*<0.048*	*<0.048*	*0.0104*	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	*0.0505*	**0.136**	0.0095	**0.161**	<0.048
MW-30B	11/4/2009	13.0	<0.0053	<0.0053	<0.0053	<0.0053	0.0034 J	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	0.0013	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	0.00055 J	<0.00020	0.0014	0.0171	0.00038 J	<0.0010
MW-30B	12/16/2009	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0040*	<0.0040	<0.0040	<0.0040	*<0.00080*	*<0.00080*	*<0.00080*	<0.00080	*<0.00080*	*<0.00080*	*<0.00080*	*<0.0040*	*<0.0040*	*<0.00080*	<0.0040	<0.0040	<0.0040	<0.0040
MW-30B	6/16/2010	5.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.00099	<0.00098	<0.00098	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	<0.00020	<0.00098	<0.00098	*<0.020*	0.0012	0.0128	<0.00098	<0.00098
MW-30B	9/23/2010	118.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	0.0012	0.0157	<0.0010	<0.0010
MW-30B	12/16/2010	29.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	0.0011	0.0107	<0.00097	<0.00097
MW-30B	3/8/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-30B	6/24/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0049	<0.00096	<0.00096
MW-30B	9/30/2011	16.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.0012	0.01	<0.00096	<0.00096
MW-30B	12/16/2011	0.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.002	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.0029	0.0289	<0.00096	<0.00096
MW-30B	4/4/2012	26.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0102	<0.00097	<0.00097
MW-30B	7/12/2012	9.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0029	<0.00095	<0.00095
MW-30B	10/3/2012	12.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0083	<0.00095	<0.00095
MW-30B	7/16/2015	18.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0084	<0.0010	<0.0010
MW-30B	3/12/2018	33.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0058	<0.00095	<0.00095
MW-31A	11/4/2009	>1000	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	0.00084 J	<0.0010	<0.0010
MW-31A	12/15/2009	1025.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31A	6/18/2010	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-31A	9/21/2010	0.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31A	12/17/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0026	<0.00096	<0.00096
MW-31A	3/8/2011	27.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-31A	6/24/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31A	9/30/2011	57.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0026	<0.00097	<0.00097
MW-31A	12/16/2011	542.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0045	<0.00095	<0.00095
MW-31A	4/4/2012	144.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-31A	7/13/2012	60.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31A	10/3/2012	151.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-31A	7/16/2015	332.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0322	0.0012	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0011	<0.0010	<0.0010
MW-31A	3/14/2018	1.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0027	<0.00095	<0.00095
MW-31A	12/17/2019	40.9	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-31B	11/4/2009	755.0	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.00073 J	<0.0010	<0.0010
MW-31B	12/15/2009	93.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31B	6/18/2010	9.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-31B	9/21/2010	0.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31B	3/8/2011	58.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-31B	6/24/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-31B	9/30/2011	481.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31B	12/16/2011	35.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31B	4/4/2012	722.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31B	7/13/2012	14.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31B	10/3/2012	154.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-31B	7/16/2015	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	0.0013	<0.0010	<0.0010
MW-31B	3/14/2018	5.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-31C	11/4/2009	>1000	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	0.00038 J	<0.0010	<0.0010
MW-31C	12/15/2009	35.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.00109*	<0.00109	<0.00109	<0.00109	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	*<0.00038*	<0.00109	<0.00109	<0.00038	<0.00109	<0.00109	<0.00109	<0.00109
MW-31C	6/18/2010	79.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	<0.0040	*<0.00080*	*<0.00080*	*<0.00080*	*<0.00080*	*<0.00080*	*<0.00080*	*<0.00080*	*<0.00080*	<0.0040	<0.0040	<0.00080	<0.0040	<0.0040	<0.0040	<0.0040
MW-31C	9/21/2010	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0038	<0.0038	<0.0038	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	<0.0038	*<0.00076*	<0.0038	<0.0038	<0.0038	<0.0038
MW-31C	12/17/2010	29.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31C	3/8/2011	3.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31C	6/24/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31C	9/30/2011	20.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0021	<0.00095	<0.00095
MW-31C	12/16/2011	243.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0046	<0.00095	<0.00095
MW-31C	4/4/2012	44.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31C	7/13/2012	100.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-31C	10/3/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.00097	<0.00095	<0.00095
MW-31C	7/16/2015	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00099	<0.00099	<0.00020	<0.00099	0.002	<0.00099	<0.00099
MW-31C	3/14/2018	12.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.005	<0.00095	<0.00095
MW-32A	11/4/2009	318.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.00051 J	<0.0010	<0.0010
MW-32A	12/16/2009	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-32A	6/16/2010	32.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-32A	9/21/2010	0.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0106	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0011	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-32A	12/15/2010	8.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.002	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32A	3/7/2011	59.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-32A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-32A	9/28/2011	19.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00095	0.000098	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0017	<0.00095	<0.00095
MW-32A	12/13/2011	17.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-32A	4/5/2012	55.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.000098	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.004	<0.00095	<0.00095
MW-32A	7/11/2012	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0111	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-32A	10/3/2012	6.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0022	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0015	<0.00095	<0.00095
MW-32A	7/16/2015	379.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32A	3/14/2018	80.2	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0010	0.0168	<0.0010	<0.0010	*<0.0020*	*<0.0020*	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	*<0.0020*	<0.0010	<0.0010	*<0.0020*	<0.0010	0.0055	<0.0010	<0.0010
MW-32A	1/7/2020	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	0.0285	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00099	<0.00099	*<0.00020*	0.0014	0.0167	<0.00099	<0.00099
MW-32B	5/2/2012	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32B	7/11/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32B	10/3/2012	83.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32B	7/16/2015	4.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32B	3/14/2018	4.8	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0013	0.0025	<0.0013	<0.0013	*<0.00025*	*<0.00025*	*<0.00025*	*<0.00025*	*<0.00025*	*<0.00025*	*<0.00025*	<0.0013	0.0017	<0.00025	<0.0013	0.0128	0.0026	<0.0013
MW-32C	5/2/2012	97.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32C	7/11/2012	114.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-32C	10/3/2012	109.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32C	7/16/2015	5.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-32C	3/14/2018	33.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0037	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0061	<0.00096	<0.00096
MW-33A	11/23/2009	16.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-33A	12/17/2009	152.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33A	3/14/2010	262.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33A	6/15/2010	238.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33A	9/20/2010	0.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33A	12/13/2010	162.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-33A	3/7/2011	77.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33A	6/21/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33A	9/26/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33A	7/26/2013	--	Abandoned Due to Non Detections			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-33B	11/23/2009	187.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0078**	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33B	12/17/2009	265.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33B	3/14/2010	309.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33B	6/15/2010	174.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33B	9/20/2010	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33B	12/13/2010	12.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-33B	3/7/2011	18.2	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
MW-33B	6/21/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33B	9/26/2011	2.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-33B	7/26/2013	--	Abandoned Due to Non Detections			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-33C	11/23/2009	62.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33C	12/17/2009	345.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33C	3/14/2010	478.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-33C	6/15/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33C	9/20/2010	0.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-33C	12/13/2010	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-33C	3/7/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-33C	6/21/2011	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-33C	9/26/2011	521.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-33C	7/26/2013	--	Abandoned Due to Non Detections			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34A	11/23/2009	1697.0	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	0.0404	<0.020	*<0.020*	*<0.020*	*<0.010*	0.035	<0.010	<0.010	*<0.0020*	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	*<0.0020*	*<0.0020*	<0.010	0.0151	*<0.0020*	**0.0691**	**1.29**	<0.010	<0.010
MW-34A	12/16/2009	251.0	<0.0050	0.0369	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0523**	**0.0285**	<0.0050	*<0.040*	0.0591	<0.040	<0.040	*<0.0080*	*<0.0080*	*<0.0080*	<0.0080	*<0.0080*	*<0.0080*	*<0.0080*	<0.040	<0.040	*<0.0080*	**0.113**	**1.92**	*<0.040*	<0.040
MW-34A	6/16/2010	108.0	<0.0050	0.061	0.0058	<0.0050	<0.0050	<0.0050	<0.0050	**0.0441**	**0.0299**	<0.0050	*<0.050*	0.0544	<0.050	<0.050	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.050	<0.050	*<0.010*	**0.106**	**1.53**	*<0.050*	<0.050
MW-34A	9/23/2010	104.0	<0.0098	0.13	0.0176	<0.0098	<0.0098	<0.0098	<0.0098	**0.0548**	**0.0328**	*<0.0098*	*<0.20*	<0.20	<0.20	<0.20	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.20	<0.20	*<0.039*	<0.20	**1.89**	*<0.20*	<0.20
MW-34A	12/16/2010	>1000	<0.020	0.116	<0.020	<0.020	<0.020	*<0.020*	0.0404	**0.0562**	**0.0323**	*<0.020*	*<0.039*	0.0616	*<0.039*	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	<0.039	*<0.0078*	**0.101**	**1.3**	*<0.039*	<0.039
MW-34A	3/7/2011	250.0	<0.038	0.0802	<0.038	<0.038	<0.038	*<0.038*	<0.038	**0.0553**	*<0.038*	*<0.038*	*<0.0038*	0.0626	<0.0038	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.0271	*<0.00076*	**0.117**	<0.0038	0.0192	<0.0038
MW-34A	6/23/2011	--	<0.0048	0.986	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0558**	**0.0356**	<0.0048	*<0.019*	0.0615	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0266	*<0.0038*	**0.0826**	**2.03**	0.0196	<0.019
MW-34A	9/28/2011	420.0	<0.019	0.175	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0576**	**0.0331**	<0.019	*<0.048*	0.0536	<0.048	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	**0.0982**	**1.68**	<0.048	<0.048
MW-34A	12/15/2011	123.0	<0.020	0.118	<0.020	<0.020	<0.020	<0.020	<0.020	**0.0646**	**0.037**	<0.020	*<0.039*	0.0626	<0.039	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	<0.039	*<0.0078*	**0.122**	**2.53**	<0.039	<0.039
MW-34A	4/4/2012	114.0	<0.095	0.123	<0.095	<0.095	<0.095	<0.095	<0.095	<0.095	<0.095	<0.095	*<0.038*	0.0819	<0.038	<0.038	*<0.0076*	*<0.0076*	*<0.0076*	<0.0076	*<0.0076*	*<0.0076*	*<0.0076*	<0.038	<0.038	*<0.0076*	**0.15**	**3.11**	<0.038	<0.038
MW-34A	7/12/2012	0.0	<0.0095	0.0773	<0.0095	<0.0095	<0.0095	<0.0095	0.0383	**0.0244**	<0.0095	<0.050	*<0.038*	0.0551	<0.038	<0.038	*<0.0076*	*<0.0076*	*<0.0076*	<0.0076	*<0.0076*	*<0.0076*	*<0.0076*	<0.038	<0.038	*<0.0076*	**0.0916**	**1.24**	<0.038	<0.038
MW-34A	10/2/2012	587.0	<0.019	0.0874	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0722**	**0.0475**	<0.019	*<0.096*	<0.096	<0.096	<0.096	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.096	<0.096	*<0.019*	**0.132**	**2.21**	<0.096	<0.096
MW-34A	7/16/2015	>1000	<0.050	0.458	0.0762	0.108	<0.050	<0.050	<0.050	**0.217**	**0.21**	<0.050	**0.522**	0.24	<0.10	<0.10	*<0.020*	*<0.020*	*<0.020*	<0.020	*<0.020*	*<0.020*	*<0.020*	<0.10	0.124	*<0.020*	**0.408**	**5.53**	0.118	<0.10
MW-34A	3/15/2018	>1000	<0.024	0.324	0.0613	0.0367	<0.024	<0.024	<0.024	**0.325**	**0.244**	<0.024	*<0.19*	0.351	<0.19	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.587**	10.9	<0.19	<0.19
MW-34A	12/17/2019	>1000	<0.0050	0.0743	0.005	<0.0050	<0.0050	<0.0050	<0.0050	**0.145**	**0.0999**	<0.0050	*<0.010*	0.175	<0.010	<0.010	*<0.0020*	*<0.0020*	*<0.0020*	<0.0020	*<0.0020*	*<0.0020*	*<0.0020*	<0.010	0.0884	*<0.0020*	**0.274**	<0.010	**0.0827**	<0.010
MW-35A	2/24/2010	31.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35A	6/18/2010	16.8	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
MW-35A	9/22/2010	54.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.006	<0.0010	<0.0010
MW-35A	12/22/2010	285.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35A	3/10/2011	96.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-35A	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.0020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-35A	9/27/2011	25.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35A	12/16/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35A	4/6/2012	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097	0.0061	<0.00097	<0.00097
MW-35A	7/12/2012	5.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35A	10/4/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35A	7/14/2015	30.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	*<0.00020*	<0.0010	<0.0010	<0.0010	<0.0010
MW-35A	3/16/2018	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35B	2/25/2010	23.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35B	6/18/2010	7.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-35B	9/22/2010	37.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0024	<0.00098	<0.00098
MW-35B	12/22/2010	5.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35B	3/10/2011	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-35B	6/23/2011	--	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0096	<0.00097	<0.00097
MW-35B	9/27/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35B	12/16/2011	1.9	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-35B	4/6/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35B	7/12/2012	477.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35B	10/4/2012	19.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35B	7/14/2015	0.0	*<0.13*	<0.13	<0.13	*<0.13*	<0.13	*<0.13*	*<0.13*	<0.13	*<0.13*	*<0.13*	*<0.025*	<0.025	<0.025	<0.025	*<0.0050*	*<0.0050*	*<0.0050*	<0.0050	*<0.0050*	*<0.0050*	*<0.0050*	<0.025	<0.025	*<0.0050*	<0.025	*<0.025*	<0.025	<0.025
MW-35B	3/16/2018	0.0	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	*<0.024*	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35B	12/16/2019	14.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-35C	2/25/2010	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35C	6/18/2010	182.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-35C	9/22/2010	122.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0023	<0.00098	<0.00098
MW-35C	12/22/2010	438.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35C	3/10/2011	195.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0023	<0.00099	<0.00099
MW-35C	6/23/2011	--	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0096	<0.00097	<0.00097
MW-35C	9/27/2011	395.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35C	12/16/2011	226.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35C	4/6/2012	49.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0038	<0.00096	<0.00096
MW-35C	7/12/2012	58.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35C	10/4/2012	319.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-35C	7/14/2015	1000+	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-35C	3/16/2018	46.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-35C	12/17/2019	230.0	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0010	<0.0010	<0.00021	<0.0010	<0.0010	<0.0010	<0.0010

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-36A	2/25/2010	55.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0026	<0.00095	<0.00095
MW-36A	6/18/2010	>1000	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0013	<0.0010	<0.0010
MW-36A	9/22/2010	17.4	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0047	<0.00097	<0.00097
MW-36A	12/20/2010	41.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0026	<0.00098	<0.00098
MW-36A	3/10/2011	11.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0013**	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-36A	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0228**	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-36A	9/27/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.00096	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0019	<0.00095	<0.00095
MW-36A	12/14/2011	16.2	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0171	**0.0275**	<0.0049	**0.0959**	0.0476	<0.0049	<0.0049	*<0.00097*	*<0.00097*	<0.00097	<0.00097	*<0.00097*	*<0.00097*	*<0.00097*	<0.0049	0.0207	<0.00097	0.0455	0.166	<0.0049	<0.0049
MW-36A	4/6/2012	71.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0073	<0.0049	<0.0049	0.0054	<0.0049	**0.0214**	0.0128	<0.00097	<0.00097	*<0.00019*	*<0.00019*	*<0.00019*	<0.00019	*<0.00019*	*<0.00019*	*<0.00019*	<0.00097	0.0046	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-36A	7/12/2012	97.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0024**	0.004	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0017	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-36A	10/3/2012	203.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0119**	<0.0048	0.0048	**0.0082**	<0.0048	**0.0045**	0.0081	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0046	<0.00019	<0.00095	0.006	0.0024	<0.00095
MW-36A	7/14/2015	0.0	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	**0.0062**	<0.0051	*<0.0010*	0.0098	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	0.0052	*<0.00020*	<0.0010	0.0128	<0.0010	<0.0010
MW-36A	3/28/2018	24.3	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	0.0161	**0.0184**	<0.0047	*<0.0094*	0.0539	<0.0094	<0.0094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.0094	0.0183	*<0.0019*	<0.0094	0.27	<0.0094	<0.0094
MW-36A	12/16/2019	13.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0252	**0.0481**	<0.0048	*<0.019*	0.0757	*<0.019*	*<0.019*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0431	*<0.0038*	<0.019	0.307	**0.0363**	<0.019
MW-36B	2/25/2010	110.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-36B	6/18/2010	49.2	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	*<0.0010*	0.0017	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0013	*<0.0010*	<0.0010	<0.0010	0.0011	<0.0010
MW-36B	9/22/2010	1.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0461**	**0.12**	<0.0049	*<0.019*	0.167	<0.019	0.036	**0.0352**	**0.0182**	**0.0263**	0.0064	**0.0083**	**0.0263**	*<0.039*	0.167	0.148	**0.0077**	**0.212**	**1.35**	**0.352**	0.105
MW-36B	12/20/2010	60.1	<0.020	<0.020	<0.020	<0.020	<0.020	*<0.020*	<0.020	**0.224**	**0.573**	*<0.020*	*<0.20*	**0.941**	*<0.20*	0.219	**0.234**	**0.116**	**0.166**	0.0437	**0.0544**	**0.179**	*<0.039*	**1.02**	0.81	**0.0489**	**1.21**	**6.5**	**2.09**	0.723
MW-36B	3/10/2011	26.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.085**	**0.141**	<0.0048	**0.0264**	0.179	0.0116	0.0245	**0.0168**	**0.0083**	**0.0114**	0.0031	**0.0041**	**0.0123**	*<0.0010*	0.0815	0.12	**0.0036**	**0.209**	**1.3**	**0.22**	0.515
MW-36B	6/24/2011	--	*<0.098*	<0.098	<0.098	<0.098	<0.098	*<0.098*	<0.098	**0.332**	**0.831**	*<0.098*	*<0.098*	**1.45**	*<0.98*	<0.98	**0.337**	*<0.20*	*<0.20*	<0.20	*<0.20*	**0.272**	*<0.20*	**1.6**	**1.26**	*<0.20*	**1.72**	**11.5**	**3.22**	**1.25**
MW-36B	9/27/2011	40.3	*<0.048*	<0.048	<0.048	<0.048	<0.048	*<0.048*	<0.048	**0.131**	**0.242**	*<0.048*	**0.653**	0.302	*<0.038*	0.0443	**0.039**	**0.0196**	**0.0188**	<0.0076	**0.0172**	**0.0306**	*<0.0076*	0.181	**0.226**	**0.0103**	**0.447**	**3.75**	**0.429**	**0.116**
MW-36B	7/14/2015	--	DNAPL In Well - Did Not Sample			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-36C	2/25/2010	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0018	<0.00095	<0.00095	**0.00021**	<0.00019	0.00019	<0.00019	<0.00019	0.00019	<0.00019	<0.00095	0.0018	<0.00019	0.0037	**0.0083**	0.0031	<0.00095
MW-36C	6/18/2010	--	<0.039	0.0864	<0.039	<0.039	<0.039	*<0.039*	<0.039	**0.26**	*<0.039*	*<0.25*	0.39	*<0.25*	<0.25	*<0.049*	*<0.049*	*<0.049*	*<0.049*	<0.049	*<0.049*	*<0.049*	*<0.049*	<0.25	0.26	*<0.049*	**0.531**	**5.7**	**0.433**	<0.25
MW-36C	9/22/2010	93.4	<0.038	0.105	<0.038	<0.038	<0.038	*<0.038*	<0.038	**0.118**	**0.249**	*<0.038*	*<0.019*	0.339	<0.019	<0.019	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.019	0.236	*<0.038*	**0.564**	**5.9**	**0.439**	<0.019
MW-36C	12/20/2010	53.2	<0.019	0.114	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.195**	**0.194**	*<0.019*	*<0.19*	0.332	<0.19	<0.19	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.19	0.211	*<0.039*	**0.576**	**5.72**	**0.319**	<0.19
MW-36C	3/10/2011	71.4	<0.019	0.0956	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.159**	**0.176**	*<0.019*	*<0.039*	0.191	<0.039	0.137	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	0.111	*<0.0078*	**0.348**	**5.56**	**0.116**	<0.039
MW-36C	6/24/2011	--	<0.019	0.055	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.0808**	**0.204**	*<0.019*	*<0.097*	0.341	*<0.097*	<0.097	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.097	0.21	*<0.019*	**0.426**	**2.71**	**0.218**	<0.097
MW-36C	9/27/2011	94.3	*<0.048*	0.0968	<0.048	<0.048	<0.048	<0.048	<0.048	**0.17**	**0.176**	*<0.048*	<0.019	0.237	0.0377	0.0248	**0.0149**	**0.0072**	**0.0072**	<0.0038	**0.0069**	**0.0112**	*<0.0038*	0.0721	0.162	*<0.0038*	**0.344**	**5.68**	**0.217**	0.046
MW-36C	7/14/2015	--	DNAPL In Well - Did Not Sample			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-36C	3/28/2018	3.8	<0.0048	0.037	0.0063	0.0113	0.0054	*<0.0048*	<0.0048	**0.179**	**0.16**	*<0.0048*	*<0.019*	0.274	*<0.019*	*<0.019*	*0.0066*	*<0.0038*	*<0.0038*	<0.0038	*0.0038*	*0.0053*	*<0.0038*	0.0474	0.143	*<0.0038*	*0.18*	1.35	*0.16*	0.0313
MW-37A	2/25/2010	60.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.00666	<0.00096	<0.00096
MW-37A	6/16/2010	210.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-37A	9/23/2010	111.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0026	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0012	<0.00097	<0.00097
MW-37A	12/17/2010	392.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0037	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0053	<0.00096	<0.00096
MW-37A	3/8/2011	95.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-37A	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0014	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096
MW-37A	9/28/2011	609.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0025	<0.00095	<0.00095
MW-37A	12/16/2011	800.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-37A	4/4/2012	205.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-37A	7/11/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0034	<0.00095	<0.00095
MW-37A	10/2/2012	>800	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096	0.0011	<0.00096	<0.00096
MW-37A	7/15/2015	>1000	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-37A	3/16/2018	660.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-37B	2/25/2010	60.2	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.0196	<0.0095	*<0.0095*	*<0.019*	0.0254	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	<0.019	*<0.0038*	0.0334	0.453	<0.019	<0.019
MW-37B	6/16/2010	489.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0176	<0.0050	<0.0050	*<0.0040*	0.0228	<0.0040	<0.0040	*<0.00079*	*<0.00079*	*<0.00079*	<0.00079	*<0.00079*	*<0.00079*	*<0.00079*	<0.0040	<0.0040	*<0.00079*	0.021	0.179	<0.0040	<0.0040
MW-37B	9/23/2010	138.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0359	<0.0049	<0.0049	<0.00097	0.0365	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	0.0075	<0.00019	**0.0487**	0.169	0.0014	<0.00097
MW-37B	12/17/2010	146.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0256	<0.0048	<0.0048	*<0.0077*	0.0385	<0.0077	<0.0077	*<0.0010*	*<0.0010*	*<0.0010*	<0.0010	*<0.0010*	*<0.0010*	*<0.0010*	<0.0077	<0.0077	*<0.0010*	**0.05**	0.225	<0.0077	<0.0077
MW-37B	3/9/2011	49.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0248	<0.0048	<0.0048	*<0.0038*	0.0293	<0.0038	<0.0038	*<0.00077*	*<0.00077*	*<0.00077*	<0.00077	*<0.00077*	*<0.00077*	*<0.00077*	<0.0038	0.0038	*<0.00077*	0.0291	0.0947	<0.0038	<0.0038
MW-37B	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0138	<0.0048	<0.0048	*<0.00095*	0.0192	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0021	<0.00019	0.0168	0.0476	<0.00095	<0.00095
MW-37B	9/28/2011	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.016	<0.0048	<0.0048	<0.00096	0.022	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0036	<0.00096	0.0222	0.0193	<0.00096	<0.00096
MW-37B	12/16/2011	>800.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0225	<0.0048	<0.0048	*<0.00095*	0.0261	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0036	<0.00019	**0.0316**	0.0171	<0.00095	<0.00095
MW-37B	4/4/2012	>800.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0126	<0.0050	<0.0050	<0.0010	0.0243	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0034	<0.00020	0.019	0.004	<0.0010	<0.0010
MW-37B	7/11/2012	522.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0273	<0.0048	<0.0048	*<0.00095*	0.0463	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.009	<0.00019	**0.0514**	0.0131	0.0014	<0.00095
MW-37B	10/2/2012	494.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0244	<0.0048	<0.0048	*<0.00095*	0.0312	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0056	<0.00019	0.027	0.0113	<0.00095	<0.00095
MW-37B	7/15/2015	583.0	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0202	<0.0051	<0.0051	<0.0010	0.0393	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0081	<0.00020	**0.047**	0.0033	0.0013	<0.0010
MW-37B	3/16/2018	512.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0101	0.0103	<0.0048	<0.0048	0.116	<0.0048	<0.0048	*<0.00096*	*<0.00096*	*<0.00096*	*<0.00096*	*<0.00096*	*<0.00096*	*<0.00096*	<0.0048	0.0295	*<0.00096*	**0.0996**	0.157	0.0059	0.0048
MW-37C	9/12/2011	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0050	<0.0050	0.0054	0.0059	0.005	<0.0010	0.0077	<0.0010	0.0025	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.0062	<0.00020	0.0045	0.0291	0.0051	<0.0010
MW-37C	12/16/2011	44.1	<0.0048	0.0052	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0183	0.0149	<0.0048	<0.024	0.0251	<0.024	<0.024	*<0.0048*	*<0.0048*	*<0.0048*	<0.0048	*<0.0048*	*<0.0048*	*<0.0048*	<0.024	<0.024	*<0.0048*	**0.0468**	0.719	*<0.024*	<0.024
MW-37C	4/4/2012	40.0	<0.0050	0.0095	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0305	**0.0205**	<0.0050	<0.0040	0.0297	0.0043	<0.0040	*<0.00080*	*<0.00080*	*<0.00080*	<0.00080	*<0.00080*	*<0.00080*	*<0.00080*	<0.0040	0.016	*<0.00080*	**0.0459**	0.975	0.0112	<0.0040
MW-37C	7/11/2012	21.0	<0.0048	0.0102	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0283	0.019	<0.0048	*<0.048*	0.0558	<0.048	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	**0.0719**	0.884	*<0.048*	<0.048
MW-37C	10/2/2012	15.5	<0.0048	0.0102	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0576**	**0.0452**	<0.0048	*<0.095*	<0.095	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	*<0.095*	**1.81**	*<0.095*	<0.095
MW-37C	7/15/2015	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0507**	**0.0375**	<0.0049	*<0.039*	0.0544	*<0.039*	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	<0.039	*<0.0078*	**0.0612**	**1.32**	*<0.039*	<0.039
MW-37C	3/15/2018	53.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	***0.0073***	0.0035	*<0.00096*	<0.00096	*<0.0011*	*0.00082*	*0.00082*	0.00039	*0.00073*	*0.0012*	*0.00021*	0.0045	0.003	***0.00056***	*<0.00096*	0.0057	*0.0022*	0.003

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential		--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																													
MW-38A	4/14/2010	903.0	<0.019	0.0579	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.196**	**0.119**	*<0.019*	*<0.095*	0.257	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	**0.305**	**6.51**	*<0.095*	<0.095
MW-38A	6/17/2010	97.1	<0.025	0.0552	<0.025	<0.025	<0.025	*<0.025*	<0.025	**0.110**	**0.0719**	**0.025**	*<0.020*	0.131	*<0.020*	<0.020	*<0.0040*	*<0.0040*	*<0.0040*	<0.0040	*<0.0040*	*<0.0040*	*<0.0040*	<0.020	0.0587	*<0.0040*	**0.12**	**3.24**	**0.0412**	<0.020
MW-38A	9/22/2010	0.4	<0.049	0.206	0.0588	0.0616	<0.049	*<0.049*	<0.049	**0.212**	**0.0850**	*<0.049*	*<0.20*	0.221	*<0.20*	<0.20	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.20	<0.20	*<0.039*	**0.317**	**7.31**	*<0.20*	<0.20
MW-38A	12/17/2010	26.2	<0.0048	0.214	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.174**	**0.0879**	<0.0048	*<0.19*	0.215	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.29**	**6.08**	*<0.19*	<0.19
MW-38A	3/8/2011	0.0	<0.12	0.153	<0.12	<0.12	<0.12	<0.12	<0.12	**0.239**	**0.121**	*<0.12*	*<0.097*	0.256	*<0.097*	0.097	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	0.097	<0.097	*<0.019*	**0.275**	**5.62**	*<0.097*	<0.097
MW-38A	6/23/2011	--	<0.048	0.0935	<0.048	<0.048	<0.048	<0.048	<0.048	**0.14**	**0.0704**	*<0.048*	*<0.019*	0.186	*<0.019*	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0587	*<0.0038*	**0.141**	**5.38**	**0.0314**	<0.019
MW-38A	9/28/2011	2.1	<0.048	0.209	<0.048	<0.048	<0.048	<0.048	<0.048	**0.237**	**0.108**	*<0.048*	*<0.048*	0.254	*<0.048*	<0.048	*<0.0096*	*<0.0096*	*<0.0096*	<0.0096	*<0.0096*	*<0.0096*	*<0.0096*	<0.048	0.0978	*<0.0096*	**0.345**	**6.87**	*<0.048*	<0.048
MW-38A	12/13/2011	26.8	<0.096	0.127	<0.096	<0.096	<0.096	<0.096	<0.096	**0.194**	**0.108**	*<0.096*	*<0.24*	<0.24	*<0.24*	<0.24	*<0.048*	*<0.048*	*<0.048*	<0.048	*<0.048*	*<0.048*	*<0.048*	<0.24	<0.24	*<0.048*	*<0.24*	**6.25**	*<0.24*	<0.24
MW-38A	4/5/2012	2.2	<0.048	0.114	<0.048	<0.048	<0.048	<0.048	<0.048	**0.185**	**0.0869**	*<0.048*	*<0.96*	0.216	*<0.096*	<0.096	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.096	<0.096	*<0.019*	**0.227**	**5.36**	*<0.096*	<0.096
MW-38A	7/10/2012	0.8	<0.019	0.132	0.0206	<0.019	<0.019	<0.019	<0.019	**0.198**	**0.118**	*<0.019*	*<0.19*	0.251	*<0.19*	<0.19	*<0.038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	<0.019	*<0.19*	**0.225**	**5.59**	*<0.19*	<0.19
MW-38A	10/3/2012	7.3	<0.048	0.111	<0.048	<0.048	<0.048	<0.048	<0.048	**0.23**	**0.123**	*<0.048*	*<0.048*	0.215	*<0.048*	<0.048	*<0.0096*	*<0.0096*	*<0.0096*	<0.0096	*<0.0096*	*<0.0096*	*<0.0096*	<0.048	0.0857	*<0.0096*	**0.228**	**7.23**	*<0.048*	<0.048
MW-38A	7/14/2015	0.0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.149**	**0.111**	<0.0020	*<0.095*	0.202	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	*<0.095*	**3.06**	*<0.095*	<0.095
MW-38A	3/13/2018	1.2	<0.020	0.0648	<0.020	<0.020	<0.020	<0.020	<0.020	**0.275**	**0.207**	<0.020	*<0.050*	0.309	*<0.050*	*<0.050*	*<0.0099*	*<0.0099*	*<0.0099*	*<0.0099*	*<0.0099*	*<0.0099*	*<0.0099*	<0.050	0.151	*<0.0099*	**0.225**	**6.05**	**0.108**	<0.050
MW-38A	12/17/2019	5.1	<0.0048	0.0743	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.293**	**0.222**	<0.0048	*<0.0038*	0.406	*<0.0038*	0.0054	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.163	*<0.00076*	**0.357**	**8.6**	**0.122**	<0.0038
MW-38B	4/14/2010	19.3	<0.0048	0.0201	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0743**	**0.0223**	<0.0048	*<0.0095*	<0.0095	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	<0.0095	*<0.00109*	<0.0095	**2.49**	<0.0095	<0.0095
MW-38B	6/17/2010	6.2	<0.0099	0.0272	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	**0.0582**	**0.0154**	*<0.0099*	*<0.020*	0.0486	<0.020	<0.020	*<0.0040*	*<0.0040*	*<0.0040*	<0.0040	*<0.0040*	*<0.0040*	*<0.0040*	<0.020	<0.020	*<0.0040*	0.03	0.604	<0.020	<0.020
MW-38B	9/22/2010	0.0	<0.049	0.197	0.0524	0.0554	<0.049	*<0.049*	<0.049	**0.246**	**0.119**	*<0.19*	**0.297**	<0.19	*<0.19*	<0.19	*<0.039*	*<0.039*	*<0.039*	<0.039	*<0.039*	*<0.039*	*<0.039*	<0.19	<0.19	*<0.039*	**0.395**	**8.92**	*<0.19*	<0.19
MW-38B	12/17/2010	7.2	<0.0048	0.235	0.0544	0.0527	<0.0048	<0.0048	<0.0048	**0.201**	**0.0982**	<0.0048	*<0.19*	0.284	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.391**	**7.58**	*<0.19*	<0.19
MW-38B	3/8/2011	0.0	*<0.12*	0.134	<0.12	<0.12	<0.12	*<0.12*	*<0.12*	**0.174**	*<0.12*	*<0.12*	*<0.097*	0.188	*<0.097*	<0.097	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.097	<0.097	*<0.00109*	**0.211**	**6.54**	*<0.097*	<0.097
MW-38B	6/23/2011	--	<0.048	0.085	<0.048	<0.048	<0.048	*<0.048*	<0.048	**0.13**	**0.062**	*<0.048*	*<0.48*	<0.48	*<0.48*	<0.48	*<0.096*	*<0.096*	*<0.096*	<0.096	*<0.096*	*<0.096*	*<0.096*	<0.48	<0.48	*<0.096*	*<0.48*	**6**	*<0.48*	<0.48
MW-38B	9/28/2011	20.2	<0.048	0.161	<0.048	<0.048	<0.048	<0.048	<0.048	**0.229**	**0.124**	*<0.048*	*<0.048*	0.276	*<0.048*	*<0.048*	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	0.114	*<0.0095*	0.296	**6.3**	**0.0536**	<0.048
MW-38B	12/13/2011	15.5	<0.019	0.164	<0.019	<0.019	<0.019	<0.019	<0.019	**0.135**	**0.0823**	*<0.019*	*<0.19*	<0.19	*<0.19*	*<0.19*	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	<0.19	*<0.038*	**0.208**	**5.66**	*<0.19*	<0.19
MW-38B	4/5/2012	58.5	<0.048	0.131	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.147**	**0.0968**	<0.0048	*<0.095*	0.233	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	<0.0095	*<0.00109*	**0.264**	**7.03**	<0.0095	<0.0095
MW-38B	7/10/2012	0.2	<0.038	0.208	<0.038	<0.038	<0.038	<0.038	<0.038	**0.302**	**0.176**	*<0.038*	*<0.095*	0.388	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	0.158	*<0.00109*	**0.397**	**15**	<0.0095	<0.0095
MW-38B	10/3/2012	83.7	<0.024	0.171	<0.024	<0.024	<0.024	<0.024	<0.024	**0.199**	**0.121**	*<0.024*	*<0.095*	0.211	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	0.158	*<0.00109*	**0.21**	**6.4**	<0.0095	<0.0095
MW-38B	7/14/2015	0.0	<0.0048	0.0161	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.153**	**0.107**	*<0.0048*	*<0.095*	0.198	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	*<0.095*	**3.33**	*<0.095*	<0.095
MW-38B	3/13/2018	1.8	<0.019	0.0399	<0.019	<0.019	<0.019	<0.019	<0.019	**0.207**	**0.168**	*<0.019*	*<0.048*	0.355	*<0.048*	*<0.048*	*<0.0096*	*<0.0096*	*<0.0096*	*<0.0096*	*<0.0096*	*<0.0096*	*<0.0096*	<0.048	0.174	*<0.0096*	**0.189**	**3.78**	**0.131**	<0.048
MW-38C	4/14/2010	739.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.0095*	<0.0095	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	<0.0095	*<0.00109*	<0.0095	<0.0095	<0.0095	<0.0095
MW-38C	6/17/2010	11.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-38C	9/22/2010	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.00098	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.00098	0.0081	0.0013	<0.00096
MW-38C	12/15/2010	4.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38C	3/8/2011	12.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38C	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38C	9/28/2011	58.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.001	<0.00096	<0.00096
MW-38C	12/13/2011	672.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.009	<0.00096	<0.00096
MW-38C	4/5/2012	7.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-38C	7/10/2012	30.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0035	<0.00095	<0.00095
MW-38C	10/3/2012	246.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.006	<0.00096	<0.00096
MW-38C	7/15/2015	229.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-38C	3/13/2018	123.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0014	<0.0010	<0.0010
MW-38D	4/14/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	*<0.0095*	<0.0095	<0.0095	<0.0095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.0095	<0.0095	*<0.00109*	<0.0095	<0.0095	<0.0095	<0.0095
MW-38D	6/17/2010	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-38D	9/22/2010	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0071	<0.00097	<0.00097
MW-38D	12/15/2010	27.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-38D	3/8/2011	15.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38D	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-38D	9/28/2011	32.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0018	<0.00095	<0.00095
MW-38D	12/13/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0032	<0.00095	<0.00095
MW-38D	4/5/2012	12.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38D	7/10/2012	5.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-38D	10/3/2012	21.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0047	<0.00095	<0.00095
MW-38D	7/15/2015	4.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-38D	3/13/2018	29.6	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0082	<0.00097	<0.00097
MW-39A	4/14/2010	>1000	<0.095	0.498	<0.095	<0.095	<0.095	*<0.095*	<0.095	**1.28**	**5.35**	*<0.095*	*<0.48*	**6.6**	**1.13**	**2.23**	**2.37**	**1.42**	**1.7**	0.682	**0.68**	**1.81**	**0.178**	**9.31**	**6.97**	**0.788**	**8.36**	**38.2**	**17.4**	**6.54**
MW-39A	6/16/2010	--	<0.0050	0.656	0.0806	0.0842	<0.0050	<0.0050	<0.0050	**0.36**	**0.428**	<0.0050	*<0.20*	0.324	**0.2**	0.2	**0.0452**	<0.040	<0.040	<0.040	<0.040	<0.040	*<0.040*	0.201	0.246	*<0.040*	**0.617**	**6.56**	**0.485**	0.2
MW-39A	9/23/2010	60.8	<0.079	0.692	0.0933	0.119	<0.079	*<0.079*	<0.079	**0.621**	**1.2**	*<0.079*	*<0.40*	1.77	*<0.40*	0.533	**0.577**	**0.306**	**0.473**	0.0852	**0.146**	**0.426**	*<0.079*	**2.35**	**1.74**	**0.102**	**2.5**	**15.8**	**4.59**	**1.62**
MW-39A	12/21/2010	26.8	<0.038	0.38	0.0475	0.0644	<0.038	*<0.038*	<0.038	**0.336**	**0.256**	*<0.038*	*<0.19*	0.342	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.228	<0.038	**0.702**	**7.3**	**0.338**	<0.19
MW-39A	3/11/2011	81.4	<0.095	0.33	<0.095	<0.095	<0.095	*<0.095*	<0.095	**0.391**	**0.4**	*<0.095*	*<0.048*	0.427	**0.0716**	0.085	**0.0567**	**0.0283**	**0.0386**	<0.0095	**0.137**	**0.0429**	*<0.0095*	**0.252**	0.315	**0.0113**	**0.79**	**9.2**	**0.618**	0.161
MW-39A	6/24/2011	--	<0.049	0.0919	<0.049	<0.049	<0.049	*<0.049*	<0.049	**0.353**	**0.334**	*<0.049*	*<0.98*	0.98	*<0.98*	<0.98	*<0.20*	*<0.20*	*<0.20*	<0.20	*<0.20*	*<0.20*	*<0.20*	*<0.98*	<0.98	*<0.20*	*<0.98*	**11.2**	*<0.98*	*<0.98*
MW-39A	9/28/2011	50.4	<0.19	0.481	<0.19	<0.19	<0.19	*<0.19*	<0.19	**0.349**	**0.641**	*<0.19*	*<0.48*	0.802	*<0.48*	<0.48	**0.185**	*<0.096*	**0.119**	<0.096	*<0.096*	**0.149**	*<0.096*	**0.84**	0.702	*<0.096*	**1.27**	**10.9**	**1.74**	0.518

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-39B	4/14/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0077	0.0125	<0.0048	*<0.0095*	0.0153	0.0028	0.0035	**0.0029**	**0.0016**	**0.002**	0.00085	**0.00075**	**0.0021**	**0.00022**	0.0127	0.0138	0.00099	0.0195	0.0153	**0.0284**	0.0088
MW-39B	6/17/2010	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-39B	9/23/2010	252.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0022	<0.00099	<0.00099
MW-39B	12/15/2010	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-39B	3/8/2011	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-39B	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.0097
MW-39B	9/28/2011	124.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-39B	12/13/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0018	<0.00095	<0.00095
MW-39B	4/5/2012	378.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0016	<0.00097	<0.0097
MW-39B	7/12/2012	52.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.0097
MW-39B	10/2/2012	65.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-39B	7/15/2015	11.8	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-39B	3/14/2018	40.2	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	*<0.0013*	*<0.0013*	*<0.0013*	*<0.0013*	*<0.00025*	*0.00029*	*0.00053*	0.00033	*0.00031*	*0.00026*	*<0.00025*	<0.0013	<0.0013	*0.00042*	*<0.0013*	0.0045	*<0.0013*	*<0.0013*
MW-40A	4/14/2010	762.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-40A	6/16/2010	47.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-40A	9/23/2010	65.4	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0043	<0.00097	<0.00097
MW-40A	3/7/2011	238.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40A	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0043	<0.00097	<0.0097
MW-40A	9/27/2011	380.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0042	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0012	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40A	12/14/2011	104.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40A	4/3/2012	23.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0079	<0.00095	<0.00095
MW-40A	7/13/2012	39.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40A	10/4/2012	89.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0032	<0.00095	<0.00095
MW-40A	7/16/2015	232.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0037	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-40A	3/16/2018	22.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0027	<0.00096	<0.00096
MW-40A	12/16/2019	37.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40B	4/20/2010	314.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0011	0.002	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-40B	6/16/2010	92.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0105	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0013	0.0042	<0.00020	<0.0010	0.0159	0.0034	<0.0010
MW-40B	9/23/2010	277.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0042	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00099	0.0017	<0.00020	<0.00098	0.0027	0.0015	<0.00098
MW-40B	12/14/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0041	<0.00096	<0.00096	0.00032	0.00023	0.00043	<0.00019	<0.00019	**0.00032**	<0.00019	0.0015	0.0016	0.00019	<0.00096	0.0012	<0.00096	0.001
MW-40B	3/7/2011	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-40B	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0081	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0035	<0.00019	<0.00096	0.0054	<0.00096	<0.00096
MW-40B	9/27/2011	93.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40B	12/14/2011	112.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0076	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0019	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40B	4/3/2012	99.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0029	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40B	7/13/2012	22.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0029	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40B	10/4/2012	14.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0103	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0026	<0.00019	<0.00095	0.0064	<0.00095	<0.00095
MW-40B	7/16/2015	162.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-40B	3/16/2018	83.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0024	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-40C	4/14/2010	21.8	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0071	0.00134	<0.0049	<0.00098	0.0268	<0.00098	0.0049	**0.00039**	<0.00020	**0.00022**	<0.00020	<0.00020	**0.00034**	<0.00020	0.01	0.0137	<0.00020	<0.00098	<0.00098	**0.0214**	0.0058
MW-40C	6/16/2010	62.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0020*	0.0333	<0.0020	0.0073	**0.00048**	*<0.00040*	*<0.00040*	<0.00040	*<0.00040*	*<0.00040*	*<0.00040*	0.016	0.014	<0.0004	0.0151	0.0559	**0.0335**	0.0088
MW-40C	9/23/2010	0.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.007	**0.0178**	<0.0049	<0.00098	0.0325	<0.00098	0.0055	**0.00039**	<0.00020	<0.00020	<0.00020	<0.00020	**0.00033**	<0.00020	0.016	0.0211	<0.00020	0.0023	0.0155	**0.0319**	0.0088
MW-40C	12/17/2010	30.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.007	<0.0048	<0.0048	<0.00096	0.0173	<0.00096	0.0028	**0.00025**	<0.00019	<0.00019	<0.00019	<0.00019	**0.00024**	<0.00019	0.00091	0.0109	<0.00019	<0.00096	0.0033	0.0134	0.006
MW-40C	3/7/2011	27.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0104	<0.00098	0.0021	**0.0024**	0.0017	**0.003**	0.0011	**0.0011**	**0.0024**	**0.00033**	0.0108	0.0064	**0.0013**	<0.00098	<0.00098	0.0073	0.0063
MW-40C	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0056	<0.0049	<0.0049	<0.00097	0.0187	<0.00097	0.0021	**0.00026**	<0.00019	<0.00019	<0.00019	<0.00019	**0.00021**	<0.00019	0.0094	0.0123	<0.00019	<0.00097	0.0014	0.0098	0.0057
MW-40C	9/28/2011	162.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0152	<0.00095	0.0011	**0.00023**	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.0084	0.0098	<0.00019	<0.00095	0.001	0.0035	0.0034
MW-40C	12/14/2011	12.5	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0133	<0.00097	0.001	**0.00062**	0.00031	0.00045	0.00019	**0.00029**	**0.00055**	<0.00019	0.0092	0.0102	0.00023	<0.00097	<0.00097	0.0036	0.0051
MW-40C	4/3/2012	2.6	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0071	<0.00097	<0.00097	*<0.00019*	*<0.00019*	*<0.00019*	<0.00019	*<0.00019*	*<0.00019*	*<0.00019*	0.005	0.0054	<0.00019	<0.00097	0.0039	0.0012	0.0025
MW-40C	7/13/2012	32.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0108	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.0087	0.0075	<0.00019	<0.00095	<0.00095	0.00095	0.0047
MW-40C	10/4/2012	7.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0068	<0.00097	<0.00097	*<0.00019*	*<0.00019*	*<0.00019*	<0.00019	*<0.00019*	*<0.00019*	*<0.00019*	0.0071	0.0038	<0.00019	<0.00097	<0.00097	0.0037	0.0025
MW-40C	7/16/2015	232.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0019	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0051	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	0.0026
MW-40C	3/16/2018	160.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	*<0.00019*	<0.00095	<0.00095	<0.00095	0.0025
MW-40C	12/16/2019	13.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	*<0.00019*	<0.00095	<0.00095	<0.00095	0.0014
MW-41A	12/15/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-41A	3/8/2011	254.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-41A	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0038	<0.00097	<0.00097
MW-41A	9/28/2011	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0017	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	0.001	0.0092	<0.00097	<0.048
MW-41A	12/13/2011	472.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0078	<0.00096	<0.00096
MW-41A	4/5/2012	476.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0015	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0037	<0.00098	<0.00098
MW-41A	7/10/2012	244.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.00098	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0062	<0.00095	<0.00095
MW-41A	10/3/2012	280.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-41A	7/15/2015	1.6	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00095	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-41A	3/16/2018	903.0	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	*<0.0011*	*<0.0011*	*<0.0011*	*<0.0011*	*<0.00022*	*<0.00022*	*<0.00022*	*<0.00022*	*<0.00022*	*<0.00022*	*<0.00022*	*<0.0011*	*<0.0011*	*<0.00022*	*<0.0011*	0.0019	*<0.0011*	*<0.0011*

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential		--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential		--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																													
MW-42A	12/15/2010	322.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0043	<0.00097	<0.00097
MW-42A	3/8/2011	42.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-42A	6/23/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-42A	9/28/2011	64.5	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-42A	12/13/2011	26.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0016	<0.00095	<0.00095
MW-42A	4/4/2012	31.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-42A	7/10/2012	30.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-42A	10/2/2012	74.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-42A	7/15/2015	66.6	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00095	<0.00019	<0.00094	0.0021	<0.00094	<0.00094
MW-42A	3/14/2018	8.9	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0013	<0.0013	<0.0013	<0.0013	*<0.00027*	*<0.00027*	*<0.00027*	*<0.00027*	*<0.00027*	*<0.00027*	*<0.00027*	<0.0013	<0.0013	*<0.00027*	<0.0013	0.0026	<0.0013	<0.0013
MW-42B	12/15/2010	251.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0043	<0.00097	<0.00097
MW-42B	3/8/2011	139.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0013	<0.00095	<0.00095
MW-42B	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-42B	9/28/2011	72.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-42B	12/13/2011	40.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0032	<0.00096	<0.00096
MW-42B	4/4/2012	69.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-42B	7/10/2012	3.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-42B	10/2/2012	116.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-42B	7/15/2015	30.6	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00095	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-43A	12/15/2010	426.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0067	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	0.0039	0.0189	<0.00098	<0.00098
MW-43A	3/8/2011	123.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0022	<0.00099	<0.00099
MW-43A	6/22/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0029	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0073	<0.00097	<0.00097
MW-43A	9/28/2011	47.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0049	<0.0049	<0.0049	<0.00097	0.0042	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	0.0014	0.0088	<0.00097	<0.00097
MW-43A	12/13/2011	288.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0032	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.005	<0.00096	<0.00096
MW-43A	4/5/2012	88.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0036	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0017	0.0085	<0.00095	<0.00095
MW-43A	7/11/2012	46.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0054	<0.0048	<0.0048	<0.00096	0.0046	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.0018	0.0027	<0.00096	<0.00096
MW-43A	10/2/2012	267.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0049	<0.0049	<0.0049	<0.00097	0.0039	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	0.0011	0.0019	<0.00097	<0.00097
MW-43A	7/17/2015	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0054	<0.0048	<0.0048	<0.00096	0.0023	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-44A	12/22/2010	94.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-44A	3/10/2011	64.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.0027	<0.0010	<0.0010
MW-44A	6/23/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.0020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-44A	9/27/2011	0.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-44A	12/16/2011	151.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0031	<0.00095	<0.00095
MW-44A	4/6/2012	97.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0059	<0.00095	<0.00095
MW-44A	7/13/2012	11.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-44A	10/4/2012	2.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0057	<0.00095	<0.00095
MW-44A	7/14/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-44A	3/26/2018	4.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00095	0.002	<0.00095	<0.00095	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	<0.00095	0.0013	*<0.00019*	<0.00095	0.0021	<0.00095	<0.00095
MW-45A	12/22/2010	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-45A	3/10/2011	63.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0017	<0.00095	<0.00095
MW-45A	6/21/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-45A	9/27/2011	44.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0014	<0.00095	<0.00095
MW-45A	12/15/2011	416.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45A	4/4/2012	17.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0011	<0.00096	<0.00096
MW-45A	7/13/2012	54.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0011	<0.00095	<0.00095
MW-45A	10/3/2012	136.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-45A	7/14/2015	5.3	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00019	<0.00019	<0.00019
MW-45A	4/9/2018	41.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-45B	12/22/2010	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-45B	3/10/2011	784.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.001	<0.00095	<0.00095
MW-45B	6/21/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45B	9/27/2011	109.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45B	12/15/2011	46.7	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45B	4/4/2012	580.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-45B	7/13/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45B	10/3/2012	>800	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-45B	7/14/2015	1000+	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0011*	<0.0011	<0.0011	<0.0011	*<0.00022*	*<0.00022*	*<0.00022*	<0.00022	*<0.00022*	*<0.00022*	<0.00022	<0.0011	<0.0011	<0.00022	<0.0011	*<0.00022*	<0.00022	<0.00022
MW-45B	4/9/2018	482.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-45C	12/22/2010	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	0.0012	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-45C	3/10/2011	138.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0017	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	0.0099	<0.00095	<0.00095
MW-45C	6/22/2011	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0080*	0.0315	<0.0080	<0.0080	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	*<0.0010*	<0.0080	0.0155	*<0.0010*	<0.0080	0.205	0.0082	<0.0080
MW-45C	9/27/2011	692.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0272	**0.0188**	<0.0048	<0.00095	0.0362	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0172	<0.00019	<0.00095	0.104	0.0078	<0.00095
MW-45C	12/15/2011	340.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.074**	**0.0688**	<0.0048	<0.015	0.128	<0.015	<0.015	*<0.0031*	*<0.0031*	*<0.0031*	<0.0031	*<0.0031*	*<0.0031*	*<0.0031*	<0.015	0.0633	*<0.0031*	<0.015	<0.015	**0.0391**	<0.015
MW-45C	4/4/2012	217.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0672**	**0.0535**	<0.0049	<0.00097	0.0869	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	0.0463	<0.00019	<0.00097	0.47	**0.0283**	<0.00097
MW-45C	7/13/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0615**	**0.0523**	<0.0048	*<0.019*	0.178	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0927	*<0.0038*	<0.019	0.545	**0.0476**	<0.019
MW-45C	10/3/2012	285.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0248	**0.0198**	<0.0048	<0.00095	0.0378	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0194	<0.00019	0.0017	0.13	0.0108	<0.00095
MW-45C	7/14/2015	196.0	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.0159	**0.0174**	<0.0056	*<0.0011*	0.0326	<0.0011	<0.0011	*<0.00022*	*<0.00022*	*<0.00022*	<0.00022	*<0.00022*	*<0.00022*	<0.00022	<0.0011	0.0161	<0.00022	<0.0011	0.0078	0.0068	<0.0011
MW-45C	4/9/2018	862.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-45C	12/16/2019	205.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.024	**0.0213**	<0.0050	<0.010	0.0441	<0.010	<0.010	*<0.0020*	*<0.0020*	*<0.0020*	*<0.0020*	*<0.0020*	*<0.0020*	*<0.0020*	<0.010	0.0213	*<0.0020*	<0.010	0.188	0.0122	<0.010
MW-46A	12/22/2010	>1000	<0.048	0.164	<0.048	<0.048	<0.048	*<0.048*	<0.048	**0.0766**	*<0.048*	*<0.048*	**0.129**	0.0871	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.04	*<0.0038*	**0.107**	0.643	**0.0233**	<0.019
MW-46A	3/10/2011	>1000	<0.0049	0.0264	0.006	<0.0049	<0.0049	*<0.0049*	<0.0049	**0.0106**	0.0079	<0.0049	**0.115**	0.0135	<0.0039	<0.0039	*<0.00078*	*<0.00078*	*<0.00078*	<0.00078	*<0.00078*	*<0.00078*	*<0.00078*	<0.0039	0.0055	*<0.00078*	0.01	0.0631	<0.0039	<0.0039
MW-46A	6/22/2011	--	<0.019	0.199	0.0418	0.0201	<0.019	**0.0439**	<0.019	**0.0542**	**0.0332**	*<0.019*	*<0.048*	0.0817	<0.048	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	**0.111**	**1.63**	*<0.048*	<0.048
MW-46A	9/27/2011	231.0	0.0269	0.214	0.0376	<0.019	<0.019	**0.0401**	<0.019	<0.019	**0.0236**	*<0.019*	*<0.0038*	0.0434	0.0047	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.0176	*<0.00076*	0.0243	0.0477	0.0065	<0.0038
MW-46A	12/15/2011	691.0	<0.019	0.0506	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	*<0.019*	*<0.015*	0.0239	<0.015	<0.015	*<0.0031*	*<0.0031*	*<0.0031*	<0.0031	*<0.0031*	*<0.0031*	*<0.0031*	<0.015	<0.015	*<0.0031*	**0.0346**	0.493	<0.015	<0.015
MW-46A	4/6/2012	244.0	0.007	0.131	0.0199	0.0055	<0.0048	<0.0048	<0.0048	0.0175	**0.0213**	<0.0048	*<0.024*	0.0509	<0.024	<0.024	*<0.0048*	*<0.0048*	*<0.0048*	<0.0048	*<0.0048*	*<0.0048*	*<0.0048*	<0.024	<0.024	*<0.0048*	**0.0417**	0.757	*<0.024*	<0.024
MW-46A	7/11/2012	70.1	<0.019	0.143	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0522**	**0.0326**	*<0.019*	*<0.0038*	0.0637	0.0067	<0.0038	*<0.00077*	*<0.00077*	*<0.00077*	<0.00077	*<0.00077*	*<0.00077*	*<0.00077*	<0.0038	0.0264	*<0.00077*	**0.0974**	**1.29**	0.0142	<0.0038
MW-46A	10/2/2012	67.3	<0.019	0.147	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0522**	**0.0326**	*<0.019*	*<0.095*	<0.095	*<0.095*	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	**0.141**	**2.14**	*<0.095*	<0.095
MW-46A	7/15/2015	1000+	<0.0063	0.225	0.014	<0.0063	<0.0063	<0.0063	<0.0063	**0.0661**	**0.0366**	<0.0063	*<0.013*	0.0732	*<0.013*	<0.013	*<0.025*	*<0.025*	*<0.025*	<0.025	*<0.025*	*<0.025*	*<0.025*	<0.013	0.0317	*<0.025*	**0.0339**	0.127	0.0165	<0.013
MW-46A	3/16/2018	141.0	<0.0048	0.0171	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0144	**0.0178**	<0.0048	*<0.019*	0.026	*<0.019*	*<0.019*	<0.0038	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	<0.019	*<0.0038*	<0.0299	0.418	<0.019	<0.019
MW-46A	1/7/2020	--	<0.0054	0.0701	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	**0.0838**	**0.0553**	<0.0054	*<0.0011*	<0.11	0.0024	0.0027	*<0.00022*	*<0.00022*	*<0.00022*	<0.00022	*<0.00022*	*<0.00022*	<0.00022	0.0022	<0.11	<0.00022	**0.113**	**1.9**	**0.0363**	<.00011
MW-47A	12/22/2010	482.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0026	<0.00096	<0.00096
MW-47A	3/10/2011	390.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	<0.00099	<0.00099	<0.00099
MW-47A	6/22/2011	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010
MW-47A	9/27/2011	362.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0022	<0.00096	<0.00096
MW-47A	12/14/2011	89.9	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-47A	4/4/2012	158.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010
MW-47A	7/11/2012	327.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0362	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0048	<0.00095	<0.00095
MW-47A	10/2/2012	36.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-47A	7/15/2015	216.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-47A	3/28/2018	4.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0028	<0.00095	<0.00095	*0.00035*	*0.00019*	*0.0002*	<0.00019	*0.00019*	*0.00032*	*<0.00019*	0.002	0.0022	<0.00019	0.0012	0.0044	0.0046	0.0014
MW-47A	12/17/2019	114.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	*<0.0010*	<0.0010	<0.0010	<0.0010	<0.0010
MW-48A	1/11/2011	--	<0.095	0.134	<0.095	<0.095	<0.095	*<0.095*	<0.095	**0.351**	**1.09**	*<0.095*	*<0.38*	1.34	*<0.38*	<0.38	**0.365**	**0.18**	**0.254**	<0.076	**0.102**	**0.277**	*<0.076*	**1.64**	**1.26**	*<0.076*	**1.69**	**8.48**	**3.15**	**1.01**
MW-48A	6/21/2011	--	<0.020	0.408	0.0367	0.0381	<0.020	*<0.020*	<0.020	**0.318**	**0.452**	*<0.020*	*<0.20*	0.672	*<0.20*	<0.20	**0.101**	**0.05**	**0.0561**	<0.039	**<0.039**	**0.0814**	*<0.039*	**0.471**	0.522	*<0.039*	**0.866**	**4.52**	**1.04**	0.314
MW-48A	9/26/2011	62.7	<0.019	0.41	0.0317	0.0333	<0.019	*<0.019*	<0.019	**0.276**	**0.197**	*<0.019*	*<0.019*	0.346	*<0.019*	<0.019	*<0.038*	*<0.038*	*<0.038*	<0.028	*<0.038*	*<0.038*	*<0.038*	<0.19	0.219	*<0.038*	**0.666**	**9.21**	**0.223**	<0.19
MW-48A	7/13/2015	450.0	<0.054	<0.054	<0.054	<0.054	<0.054	*<0.054*	<0.054	**0.147**	**0.296**	<0.054	*<0.20*	0.585	<0.20	<0.20	**0.0824**	*<0.040*	**0.0573**	<0.040	*<0.040*	**0.0716**	*<0.040*	**0.411**	0.469	*<0.040*	**0.92**	**7.89**	**1.03**	0.277
MW-48A	3/12/2018	0.0	<0.020	0.444	<0.099	<0.020	<0.020	<0.020	<0.020	**1.69**	**6.61**	<0.020	*<0.20*	0.393	<0.20	<0.020	**0.0457**	*<0.041*	*<0.041*	*<0.041*	*<0.041*	*<0.041*	*<0.041*	0.217	0.276	*<0.041*	**0.666**	**7.38**	**0.536**	<0.20
MW-48B	1/11/2011	419.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0068	<0.0048	*<0.0038*	0.0112	<0.0038	<0.0038	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.0087	*<0.00076*	0.0142	0.0509	0.0135	<0.0038
MW-48B	6/21/2011	0.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00097*	*<0.00097*	*<0.00097*	<0.00097	*<0.00097*	*<0.00097*	*<0.00097*	<0.00097	<0.00097	*<0.00097*	<0.00097	0.0023	0.001	<0.00097
MW-48B	9/26/2011	321.0	<0.0048	0.0527	0.0053	0.0052	<0.0048	<0.0048	<0.0048	0.0304	0.0181	<0.0048	*<0.024*	0.0253	<0.024	<0.024	*<0.0048*	*<0.0048*	*<0.0048*	<0.0048	*<0.0048*	*<0.0048*	*<0.0048*	<0.024	<0.024	*<0.0048*	**0.0552**	1.03	*<0.024*	<0.024
MW-48B	12/12/2011	37.4	<0.019	0.0696	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0741**	**0.0543**	*<0.019*	*<0.076*	0.076	<0.076	<0.076	*<0.015*	*<0.015*	*<0.015*	<0.015	*<0.015*	*<0.015*	*<0.015*	<0.076	<0.076	*<0.015*	**0.116**	**1.87**	*<0.076*	<0.076
MW-48B	4/2/2012	39.8	<0.0048	0.121	0.0093	0.0101	<0.0048	<0.0048	<0.0048	**0.0623**	**0.0181**	<0.0048	*<0.048*	0.0601	*<0.048*	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	**0.14**	**1.83**	*<0.048*	<0.048
MW-48B	7/9/2012	2.8	<0.0048	0.0393	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0141	0.0088	<0.0048	*<0.019*	<0.019	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	<0.019	*<0.0038*	**0.0313**	0.487	<0.019	<0.019
MW-48B	10/1/2012	4.8	<0.019	0.125	<0.019	<0.019	<0.019	<0.019	<0.019	**0.0769**	**0.0463**	*<0.019*	*<0.096*	<0.096	<0.096	<0.096	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.096	<0.019	*<0.096*	**0.143**	**2.35**	<0.096	<0.096
MW-48B	7/13/2015	92.0	<0.0048	0.0088	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0245	**0.0091**	<0.0048	<0.00096	0.0096	0.0015	0.0014	0.00026	<0.00019	<0.00019	<0.00019	<0.00019	**0.00021**	<0.00019	0.0014	0.009	<0.00019	0.0172	0.246	0.005	0.0013
MW-48B	3/12/2018	225.0	0.0179	0.0783	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0817	**0.0563**	<0.0049	*<0.097*	<0.097	*<0.097*	<0.097	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.097	<0.097	<0.019	0.155	**2.49**	<0.097	<0.097
MW-49A	8/16/2011	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-49A	12/14/2011	17.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-49A	4/3/2012	5.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0088	<0.00097	<0.00097
MW-49A	7/12/2012	16.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-49A	10/4/2012	58.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-49A	7/14/2015	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0011*	<0.0011	<0.0011	<0.0011	*<0.00022*	*<0.00022*	*<0.00022*	<0.00022	*<0.00022*	*<0.00022*	*<0.00022*	<0.0011	<0.0011	<0.00022	<0.0011	<0.0011	<0.0011	<0.0011
MW-49A	6/13/2017	Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-49B	8/16/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-49B	12/14/2011	51.3	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-49B	4/3/2012	23.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0058	<0.00095	<0.00095
MW-49B	7/12/2012	27.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-49B	10/4/2012	107.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-49B	7/14/2015	1000+	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0011*	<0.0011	<0.0011	<0.0011	*<0.0021*	*<0.0021*	*<0.0021*	<0.0021	*<0.0021*	*<0.0021*	<0.0021	<0.0011	<0.0011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0011
MW-49B	6/13/2017	Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-49C	8/16/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-49C	12/14/2011	508.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-49C	4/3/2012	262.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0013	<0.00095	<0.00095
MW-49C	7/12/2012	622.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-49C	10/4/2012	288.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-49C	7/15/2015	--	Damaged / Abandoned		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID	Sample Date																												
MW-50A	8/17/2011	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-50A	12/15/2011	26.3	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-50A	4/5/2012	68.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-50A	7/9/2012	19.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	**0.00026**	<0.00019	<0.00019	0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50A	10/1/2012	137.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	**0.0022**	<0.00095	<0.00095
MW-50A	7/17/2015	1.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50A	3/26/2018	2.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50B	8/17/2011	562.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	<0.00098	<0.00098	<0.00098
MW-50B	12/15/2011	61.5	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50B	4/5/2012	<1000	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0017	<0.00096	<0.00096
MW-50B	7/9/2012	16.9	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50B	10/1/2012	127.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-50B	7/17/2015	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50B	3/26/2018	1.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-50B	12/16/2019	440	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.005	<0.00099	<0.00099
MW-51A	8/17/2011	155.0	<0.048	0.336	<0.048	<0.048	<0.048	*<0.048*	<0.048	0.115	0.0962	*<0.048*	**0.5**	0.147	<0.024	<0.024	*<0.0048*	*<0.0048*	*<0.0048*	<0.0048	*<0.0048*	*<0.0048*	*<0.0048*	<0.024	0.0894	*<0.0048*	**0.212**	**2.03**	**0.118**	<0.024
MW-51A	7/14/2015	--	DNAPL In Well - Did Not Sample																											
MW-51B	8/17/2011	197.0	<0.0048	0.006	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0199	0.0343	<0.0048	<0.00095	0.0724	0.0054	0.0019	<0.00019	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	<0.00019	*<0.0038*	0.0031	0.0344	*<0.0038*	**0.0937**	0.571	**0.0302**	0.0017
MW-51B	12/15/2011	127.0	<0.0048	0.006	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0662	0.0147	<0.0048	*<0.0038*	0.0236	*<0.0038*	*<0.0038*	*<0.00076*	*<0.00076*	*<0.00076*	<0.00076	*<0.00076*	*<0.00076*	*<0.00076*	<0.0038	0.0158	*<0.00076*	0.0241	0.125	0.0156	<0.0038
MW-51B	4/6/2012	68.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0083	<0.0048	<0.0048	<0.00096	0.0146	0.0011	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00099	0.0101	<0.00019	0.0135	0.0631	0.0106	<0.00096
MW-51B	7/12/2012	365.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0048	<0.0048	<0.0048	<0.00096	0.0078	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	0.0057	<0.00019	0.007	0.0263	0.0071	<0.00096
MW-51B	10/3/2012	18.8	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0058**	<0.0048	<0.0048	<0.00095	0.0092	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0064	<0.00019	0.0084	0.0542	0.0078	<0.00095
MW-51B	7/14/2015	17.3	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	*<0.0010*	0.0033	<0.0010	<0.0010	*<0.00021*	*<0.00021*	*<0.00021*	<0.00021	*<0.00021*	*<0.00021*	<0.00021	<0.0010	0.0031	*<0.00021*	<0.0010	0.0043	0.0049	<0.0010
MW-51B	3/16/2018	76.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00095	0.0033	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0029	<0.00019	<0.00095	0.0092	0.0051	<0.00095
MW-52A	8/17/2011	834.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	0.0011	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-52A	12/13/2011	700.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-52A	4/5/2012	385.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0042	<0.00095	<0.00095
MW-52A	7/12/2012	22.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	0.0013	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-52A	10/2/2012	322.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0012	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-52A	7/16/2015	65.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-52A	3/16/2018	381.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-53A	9/12/2011	>1000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	<0.00099	<0.00099	<0.00099	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00099	<0.00099	<0.00020	<0.00099	0.0021	<0.00099	<0.00099
MW-53A	12/15/2011	92.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-53A	4/2/2012	0.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-53A	7/9/2012	60.4	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-53A	10/1/2012	>800	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-53A	7/13/2015	625.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-53A	3/15/2018	531.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	0.00019	<0.00095	0.0031	<0.00095	<0.00095
MW-53B	9/12/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-53B	12/15/2011	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-53B	4/2/2012	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-53B	7/9/2012	428.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0037	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0022	<0.00019	0.0038	**0.0213**	<0.00095	<0.00095
MW-53B	10/1/2012	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-53B	7/13/2015	352.0	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0011*	<0.0011	<0.0011	<0.0011	*<0.00021*	**0.00022**	**0.00027**	<0.00021	**0.00025**	**0.00024**	<0.00021	<0.0011	<0.0011	<0.00021	<0.0011	<0.0011	<0.0011	<0.0011
MW-53B	3/15/2018	428.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00019	<0.00095	0.0059	<0.00095	<0.00095
MW-54A	5/2/2012	--	<0.0048	0.25	0.0537	0.063	<0.048	*<0.048*	<0.048	**0.248**	**0.375**	*<0.048*	*<0.19*	0.617	*<0.19*	0.921	**0.0821**	**0.0396**	**0.0395**	<0.038	*<0.038*	**0.0646**	*<0.038*	**0.394**	0.445	*<0.038*	**0.899**	**9.39**	**0.899**	0.267
MW-54B	5/2/2012	499.0	<0.019	0.0535	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.0545**	**0.0369**	*<0.019*	*<0.048*	0.113	<0.048	<0.048	*<0.0095*	*<0.0095*	*<0.0095*	<0.0095	*<0.0095*	*<0.0095*	*<0.0095*	<0.048	<0.048	*<0.0095*	**0.107**	**1.26**	*<0.048*	<0.048
MW-54B	7/13/2012	36.3	<0.019	0.0835	0.0205	0.0256	<0.019	*<0.019*	<0.019	**0.0866**	**0.0523**	*<0.019*	*<0.019*	0.183	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.059	*<0.0038*	**0.194**	**2.95**	**0.0502**	<0.019
MW-54B	10/4/2012	188.0	<0.019	0.0416	<0.019	<0.019	<0.019	*<0.019*	<0.019	**0.0926**	**0.0707**	*<0.019*	*<0.048*	0.187	<0.048	<0.048	*<0.0096*	*<0.0096*	*<0.0096*	<0.0096	*<0.0096*	*<0.0096*	*<0.0096*	<0.048	<0.048	*<0.0096*	**0.168**	**3.02**	*<0.048*	<0.048
MW-54B	7/16/2015	>1000	<0.0050	0.0065	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0658**	**0.0491**	<0.0050	*<0.0010*	0.152	0.0014	0.0025	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	0.0035	0.0635	<0.00020	**0.143**	**1.02**	**0.0512**	0.002
MW-54B	4/9/2018	203.0	<0.024	0.0429	<0.024	<0.024	<0.024	<0.024	<0.024	**0.0672**	**0.0559**	<0.024	<0.00097	0.214	<0.0097	<0.0097	*<0.0019*	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0097	0.061	<0.0019	**0.0912**	**1.35**	**0.0563**	<0.0097
MW-55A	5/2/2012	>1000	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0097	<0.00097	0.0011	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0014	0.0022	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097
MW-55A	7/10/2012	739.0	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00095	0.0116	<0.00095	0.0026	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	0.0087	<0.00019	0.0105	0.0377	0.0111	<0.00095
MW-55A	10/3/2012	46.2	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00095	0.0037	<0.00095	<0.00019	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	0.0023	<0.00019	<0.00095	0.0074	0.0016	<0.00095
MW-55A	7/15/2015	8.5	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	0.00096	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	0.0011	<0.00019	<0.00094	0.0038	0.0025	<0.00094
MW-55A	3/13/2018	7.7	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	<0.00097	<0.00097	*<0.00019*	<0.00097	0.0017	<0.00097	<0.00097
MW-55B	5/2/2012	509.0	<0.048	0.345	0.179	0.181	<0.048	*<0.048*	<0.048	**0.113**	**0.058**	*<0.048*	*<0.095*	0.128	<0.095	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	**0.219**	**3.56**	*<0.095*	<0.095
MW-55B	7/10/2012	94.4	0.0852	0.683	0.29	0.353	0.0606	*<0.019*	<0.019	**0.141**	**0.0758**	*<0.019*	*<0.095*	0.185	<0.095	<0.095	*<0.019*	*<0.019*	*<0.019*	<0.019	*<0.019*	*<0.019*	*<0.019*	<0.095	<0.095	*<0.019*	**0.358**	**5.21**	*<0.095*	<0.095
MW-55B	10/3/2012	18.5	0.0318	**1.06**	0.531	0.633	0.102	*<0.019*	<0.019	**0.247**	**0.111**	*<0.019*	*<0.019*	0.175	<0.019	<0.019	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.019	0.0671	*<0.0038*	**0.346**	**8.48**	**0.034**	<0.019
MW-55B	7/16/2015	0.0	<0.020	**1.01**	0.195	0.105	<0.020	<0.020	<0.020	**0.208**	**0.109**	*<0.020*	*<0.039*	0.218	<0.039	<0.039	*<0.0078*	*<0.0078*	*<0.0078*	<0.0078	*<0.0078*	*<0.0078*	*<0.0078*	<0.039	0.0874	<0.0078	**0.357**	**7.16**	**0.0504**	<0.039
MW-55B	3/13/2018	10.1	<0.0049	0.164	0.0192	0.0081	<0.0049	<0.0049	<0.0049	**0.0645**	**0.0462**	0.0049	0.0049	0.0879	*0.0049*	*0.0049*	*<0.0098*	*<0.0098*	*<0.0098*	*<0.0098*	*<0.0098*	*<0.0098*	*<0.0098*	0.049	0.049	*<0.0098*	**0.146**	**1.83**	**0.049**	0.049
MW-56A	5/2/2012	621.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0014	<0.00095	<0.00095

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID Sample Date																													
MW-56A 7/11/2012	24.6	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-56A 10/2/2012	41.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-56A 7/15/2015	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-56A 3/28/2018	10.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0018	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.003	0.002	<0.00095
MW-56B 5/2/2012	>1000	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.016	<0.00096	<0.00096
MW-56B 7/11/2012	800.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0022	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	0.0013	0.0325	<0.00096	<0.00096
MW-56B 10/2/2012	17.4	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0055	<0.0049	<0.0049	<0.00097	0.0049	<0.00097	<0.00097	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	0.0025	0.0262	<0.00097	<0.00097
MW-56B 7/15/2015	0.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00099	0.0032	<0.00099	<0.00099	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00099	<0.00099	<0.00020	0.0015	0.0115	<0.0010	<0.0010
MW-56B 3/28/2018	6.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0261	<0.0048	<0.0048	<0.0019	0.0363	<0.0019	0.002	*<0.0038*	*<0.0038*	*<0.0038*	<0.0038	*<0.0038*	*<0.0038*	*<0.0038*	<0.0019	0.0048	<0.00038	0.0219	0.0955	0.0021	<0.0019
MW-OW1 5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.01	**0.041**	*<0.010*	*<0.050*	0.067	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.0053	0.039	*<0.010*	<0.010	<0.010	0.019	<0.010
MW-OW1 8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW1 11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.0052	*<0.010*	*<0.050*	0.013	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW1 2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW1 6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	0.0055	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.0057	<0.010	<0.010
MW-OW1 12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW1 8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0143	**0.041**	<0.005	*<0.002*	0.0643	<0.002	0.0019	**0.00033**	**0.00029**	**0.00044**	< 0.00040	*< 0.00040*	**0.0003**	*< 0.00040*	0.0054	0.0333	0.00021	0.0039	0.0049	**0.0249**	0.0029
MW-OW1 10/30/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	0.0058	**0.019**	<0.0053	*<0.0010*	0.0387	0.00067	0.00067	**0.00027**	**0.00023**	**0.00028**	<0.00020	0.00016	**0.00022**	<0.00020	0.0035	0.0158	0.00013	0.00039	0.0042	0.0013	0.0018
MW-OW1 2/17/2004	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0134	**0.038**	<0.0054	*<0.0022*	0.0744	.0011 J	0.0012 J	*< 0.00043*	*< 0.00043*	*< 0.00043*	< 0.00043	*< 0.00043*	*< 0.00043*	*< 0.00043*	0.0043	0.0312	*< 0.00043*	0.0039	0.0401	0.0086	0.0025
MW-OW1 9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0176	**0.0272**	<0.0048	<0.00095	0.0557	0.00076 J	0.0012	**0.00032**	**0.00027**	**0.00034**	0.00014	0.00016 J	**0.00025 J**	<0.00019	0.0046	0.0257	0.00027	<0.00095	<0.00095	0.0075	0.003
MW-OW1 8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0015 J	<0.0048	<0.00095	0.0067	<0.00095	<0.00095	0.000077 J	<0.00019	0.000069 J	<0.00019	<0.00019	<0.00019	<0.00019	0.0014	0.00054 J	<0.00019	<0.00095	<0.00095	<0.00095	0.001
MW-OW1 7/24/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.022	**0.0448**	<0.005	<0.0010	0.0717	0.00052 J	0.002	**0.00028**	**0.00021**	**0.00026**	0.00011 J	0.00015 J	**0.00021**	<0.00020	0.0065	0.0353	0.00014 J	0.0129	0.0435	0.0195	0.0051
MW-OW1 11/19/2008	8.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0156	**0.0441**	<0.0048	<0.00109	0.0936	<0.00109	0.0013 J	*<0.00038*	*<0.00038*	*<0.00038*	<0.00038	*<0.00038*	*<0.00038*	*<0.00038*	0.0033	0.038	<0.00038	0.0166	0.0831	0.0173	0.0014 J
MW-OW1 12/11/2009	32.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-OW1 11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0058	**0.0295**	<0.0048	<0.00096	0.0727	0.0015	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0024	0.0184	<0.00019	<0.00096	0.0123	<0.00096	<0.00096
MW-OW1 7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0456**	**0.122**	<0.0048	<0.00096	0.212	0.0012	0.0028	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.101	<0.00019	0.973	0.0018	0.0081	0.0592	0.0039
MW-OW1 3/22/2018	13.9	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0089	<0.0048	<0.00095	0.0124	<0.00095	<0.00095	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	0.0015	0.0054	<0.00019	<0.00095	<0.00095	0.0018	<0.00095
MW-OW2 5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW2 11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.00075	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW2 2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW2 6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW2 12/28/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW2 8/11/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	0.00018	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	0.00068	<0.0010	<0.0010
MW-OW2 10/30/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-OW2 2/17/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-OW2 9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	0.0016	<0.00096	<0.00096
MW-OW2 8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	<0.00019	0.000061 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-OW2 7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	**0.00021**	0.00017 J	**0.00028**	0.00014 J	0.00019 J	**0.00023**	<0.00020	0.00054 J	<0.00098	0.00017 J	<0.00098	0.00036 J	<0.00098	0.00058 J
MW-OW2 11/19/2008	9.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	<0.00098	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0015	<0.00098	<0.00098
MW-OW2 12/10/2009	68.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	<0.0010	<0.0010
MW-OW2 11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-OW2 7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-OW2 3/22/2018	3.2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	*<0.00019*	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-OW3 5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW3 8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW3 11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW3 2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.005	<0.010	*<0.010*	<0.010	<0.010	<0.010	0.0056
MW-OW3 6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW3 12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-OW3 8/11/2003	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	0.00064	**0.0012**	**0.0016**	**0.0024**	0.0009	**0.00069**	**0.0013**	0.00027	0.0019	<0.0010	**0.0012**	<0.0010	<0.0010	<0.0010	0.0019
MW-OW3 10/30/2003	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010	<0.0010	0.0006	0.00034	**0.002**	**0.0025**	**0.0027**	0.0013	**0.0023**	**0.0022**	**0.00037**	0.0031	<0.0010	**0.0016**	<0.0010	<0.0010	0.00026	0.0033
MW-OW3 2/18/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	0.0013	0.00067 J	**0.0035**	**0.0048**	**0.0051**	0.0027	**0.0041**	**0.0039**	**0.00071**	0.0052	<0.0010	**0.0032**	<0.0010	<0.0010	0.00034 J	0.0066
MW-OW3 9/9/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.00020*	*<0.00020*	<0.00020	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	0.00044	<0.0010	<0.00020	<0.0010	0.0011	<0.0010	0.00033
MW-OW3 8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0010	<0.0010	0.0006 J	<0.0010	**0.0014**	**0.0019**	**0.0021**	0.00098	**0.0015**	**0.0014**	0.00028	0.0017	<0.0010	**0.0013**	<0.0010	<0.0010	<0.0010	0.0024
MW-OW3 7/24/2007	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	*< 0.099*	< 0.0099	0.00073 J	< 0.0099	**0.0030**	**0.0041**	**0.0042**	0.0025	**0.0031**	**0.0032**	**0.00073**	0.0037	< 0.00099	**0.0033**	< 0.00099	< 0.00099	< 0.00099	0.0056
MW-OW3 11/19/2008	11.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	0.000057 J	0.000065 J	0.000090 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	0.000055 J	<0.00097	0.001	<0.00097	<0.00097
MW-OW3 12/10/2009	37.5	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00021**	**0.00025**	**0.00041**	<0.00019	<0.00019	**0.00021**	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-OW3 11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.0012**	**0.0015**	**0.0017**	0.0011	**0.0012**	**0.0014**	0.00023	0.0019	<0.00095	**0.0014**	<0.00095	0.0039	<0.00095	0.0017
MW-OW3 7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	**0.00035**	**0.0004**	**0.00043**	0.00024	**0.00035**	**0.00039**	<0.00019	<0.00096	<0.00096	0.00032	<0.00096	<0.00096	<0.00096	<0.00096
MW-OW3 3/22/2018	14.3	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095

ARCADIS Design & Consultancy for natural and built assets

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
MW-P1	5/18/2000	--	NA	NA	*< 30*	NA	*< 30*	*< 30*	*< 30*	**95**	**580**	*< 30*	*< 150*	**650**	**60**	**190**	**210**	**100**	**110**	40	**96**	**160**	*< 30*	**780**	**650**	**42**	**780**	**2,400**	**1,600**	**620**
MW-P1	8/14/2000	--	NA	NA	< 1.0	NA	< 1.0	*< 1.0*	*< 1.0*	**1**	**3.7**	*< 1.0*	*<5.0*	**4.5**	**0.4**	1.2	**1.1**	**0.68**	**0.52**	0.41	**0.64**	**0.99**	*< 1.0*	**5.80**	**4.20**	**0.13**	**4.9**	**18**	**11**	**4.30**
MW-P1	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.092**	**0.15**	*<0.010*	*<0.050*	0.2	0.017	0.02	**0.016**	**0.0081**	**0.0088**	<0.010	**0.0069**	**0.011**	*<0.010*	0.075	0.13	*<0.010*	**0.14**	**1.4**	**0.19**	0.052
MW-P1	2/1/2001	--	NA	NA	<0.100	NA	<0.100	*<0.100*	*<0.100*	**1**	**5.2**	*<0.100*	*<0.500*	**6.1**	**0.62**	1.6	**1.9**	**0.97**	**0.99**	0.36	**0.84**	**1.4**	**0.2**	**7.10**	**5.90**	**0.41**	**6.3**	**16.00**	**14.00**	**5.70**
MW-P1	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.039	**0.06**	*<0.010*	*<0.050*	0.1	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.014	0.05	*<0.010*	0.012	0.025	**0.044**	0.01
MW-P1	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	**0.055**	**0.065**	*<0.010*	*<0.050*	0.1	0.0067	0.0089	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.03	0.067	*<0.010*	**0.043**	0.14	**0.11**	0.023
MW-P1	8/12/2003	--	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.107**	**0.141**	*<0.020*	*<0.004*	0.193	0.0111	0.0281	**0.0167**	**0.016**	**0.0213**	0.0073	**0.0065**	**0.0143**	**0.0019**	0.0743	0.133	**0.0093**	**0.0317**	0.26	**0.171**	0.0495
MW-P1	10/30/2003	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	**0.0527**	**0.0907**	<0.0055	*<0.0044*	0.121	0.006	0.0111	**0.0076**	**0.0057**	**0.0061**	0.0026	**0.0036**	**0.0061**	**0.00052**	0.0392	0.0793	**0.0032**	**0.0406**	0.194	**0.0963**	0.0231
MW-P1	2/18/2004	--	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.101**	**0.445**	*<0.020*	*<0.04*	0.637	0.0474	0.174	**0.178**	**0.0985**	**0.104**	0.0359	**0.0783**	**0.135**	**0.0088**	**0.795**	0.634	**0.0413**	**0.455**	1.05	**1.44**	0.543
MW-P1	9/10/2004	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.191**		*<0.1*	*<0.083*	1.04	0.072	0.304	**0.317**	**0.175**	**0.181**	0.0564	**0.12**	**0.204**	**0.0217**	**1.28**	1.07	**0.0805**	**0.677**	1.02	**2.16**	0.864
MW-P1	8/1/2006	--	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	**0.116**	**0.222**	*< 0.0095*	*< 0.0095*	0.333	0.0119	0.0796	**0.061**	**0.0311**	**0.0283**	0.0104	**0.0264**	**0.0416**	**0.0031**	**0.258**	0.276	**0.0153**	**0.119**	0.16	**0.533**	0.181
MW-P1	7/24/2007	--	Well abandoned August 2006 in preparation for Creek Liner Installation in August 2007																											
MW-P2	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P2	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P2	8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.02	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	**0.02**	*<0.010*	0.13	<0.010	*<0.010*	<0.010	<0.010	**0.026**	0.088
MW-P2	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.0058	<0.010	<0.010
MW-P2	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	0.0058	<0.010	<0.010
MW-P2	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P2	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P2	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P2	8/11/2003	--	<0.005	0.0488	0.0561	0.0711	0.0489	<0.005	<0.005	0.0142	**0.031**	<0.005	**0.0108**	0.0358	<0.010	0.0125	**0.0118**	**0.0069**	**0.0092**	0.0027	**0.0033**	**0.0085**	*<0.0020*	0.0568	0.0393	**0.0031**	**0.0453**	0.289	**0.109**	0.0318
MW-P2	10/30/2003	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	0.00067	<0.0010	<0.0010	**0.00032**	**0.00049**	**0.00043**	0.0003	**0.0003**	**0.00039**	<0.00020	0.00036	<0.0010	0.00029	<0.0010	0.0061	<0.0010	0.00078
MW-P2	2/17/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	**0.00016 J**	**0.00024**	**0.00021**	0.00017 J	0.00017 J	**0.00020 J**	<0.00020	<0.0010	<0.0010	0.00018 J	<0.0010	0.00054 J	<0.0010	0.00036 J
MW-P2	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00021**	**0.00029**	**0.00023**	0.00019	**0.0002**	**0.00023**	<0.00019	0.00036 J	<0.00095	0.00029	<0.00095	<0.00095	<0.00095	0.00068 J
MW-P2	8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	< 0.0095	< 0.0095	< 0.0095	0.000056 J	<0.00019	0.000077 J	<0.00109	*<0.00109*	*<0.00109*	<0.00019	< 0.0095	< 0.0095	0.000064 J	< 0.0095	< 0.0095	< 0.0095	< 0.0095
MW-P2	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	**0.00024**	**0.00041**	**0.00037**	0.00033	**0.00029**	**0.00031**	0.000071 J	0.00035 J	<0.00097	0.00034	<0.00097	<0.00097	<0.00097	<0.00097
MW-P2	11/20/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.00083 J	<0.00098	<0.00098	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	<0.00098	<0.00020	<0.00098	0.0017	<0.00098	<0.00098
MW-P2	12/10/2009	573.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0013	<0.00096	<0.00096	**0.0005**	**0.00083**	**0.0015**	0.00059	**0.00047**	**0.00063**	<0.00019	<0.00096	<0.00096	**0.00065**	<0.00096	<0.00096	<0.00096	<0.00096
MW-P2	11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	0.0017	<0.00095	<0.00095
MW-P2	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-P2	3/26/2018	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00094	<0.00094	<0.00094	<0.00094	*<0.00019*	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	<0.00094	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094
MW-P3	8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.058	<0.010	*<0.010*	<0.010	<0.010	<0.010	0.044
MW-P3	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P3	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P3	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P3	8/11/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	<0.0010	<0.0010	<0.0010	**0.00024**	**0.00042**	**0.00051**	0.00031	0.00017	**0.00029**	<0.00020	0.00043	<0.0010	0.00033	<0.0010	<0.0010	<0.0010	0.0004
MW-P3	10/30/2003	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0010	<0.0010	<0.0010	<0.0010	*<0.0021*	0.00014	0.00013	<0.00020	0.00011	0.00012	<0.00020	<0.0010	<0.0010	0.0001	<0.0010	<0.0010	<0.0010	<0.0010
MW-P3	2/17/2004	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	*<0.0010*	<0.0010	<0.0010	<0.0010	**0.00021**	**0.00031**	**0.00029**	0.00021	**0.00023**	**0.00026**	<0.00020	0.00035 J	<0.0010	0.00023	<0.0010	<0.0010	<0.0010	0.00039 J
MW-P3	9/9/2004	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	**0.00026**	**0.00035**	**0.00034**	0.00024	**0.00023**	**0.00027**	<0.00019	0.00055 J	<0.00097	0.00034	<0.00097	<0.00097	<0.00097	0.00053 J
MW-P3	8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	**0.00015 J**	**0.00023**	**0.00022**	0.00015 J	0.00017 J	0.00017 J	<0.00019	0.00025 J	<0.00095	0.00018 J	<0.00095	<0.00095	<0.00095	0.00025 J
MW-P3	7/24/2007	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.0011 J	<0.0049	<0.0049	<0.00098	0.0015	<0.00098	<0.00098	**0.00025**	**0.00043**	**0.00043**	0.00032	**0.00034**	**0.00033**	0.000066 J	0.00044 J	0.00052 J	0.00033	<0.00098	<0.00098	<0.00098	0.00061J
MW-P3	11/19/2008	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	0.000049 J	0.000065 J	0.000087 J	0.000049 J	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	0.000054 J	<0.00096	<0.00096	<0.00096	<0.00096
MW-P3	12/10/2009	513.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	**0.00049**	**0.00075**	**0.001**	0.00036	**0.00032**	**0.00054**	<0.00019	<0.00097	<0.00097	0.00039	<0.00097	<0.00097	<0.00097	0.001
MW-P3	11/10/2011	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	<0.00097	<0.00097	<0.00097	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00097	<0.00097	<0.00019	<0.00097	0.0025	<0.00097	<0.00097
MW-P3	12/9/2011	--	Well Abandoned December 2011 in Preparation for Site Excavation																											
MW-P4	5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.0066	*<0.010*	*<0.050*	0.014	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.01	0.0054	*<0.010*	<0.010	<0.010	<0.010	0.0078
MW-P4	8/4/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.0065	*<0.010*	*<0.050*	0.015	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.0081	0.0059	*<0.010*	<0.010	<0.010	<0.010	0.0051
MW-P4	11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	0.0054	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P4	2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	0.01	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P4	6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.0051	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P4	12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.0056	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P4	8/11/2003	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0407	**0.0554**	<0.0051	<0.0010	0.118	0.0026	0.0069	**0.0035**	**0.0019**	**0.0026**	0.00074	**0.00074**	**0.0025**	0.00023	0.0322	0.0757	**0.00091**	0.0013	0.0834	**0.0269**	0.0151
MW-P4	10/30/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0019	<0.0054	*<0.0010*	0.0046	0.00067	0.001	**0.0028**	**0.0029**	**0.0029**	0.0013	**0.0022**	**0.0028**	**0.00036**	0.0082	0.0024	**0.0016**	<0.0010	<0.0010	<0.0010	0.0049
MW-P4	2/18/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0015 J	<0.0051	<0.0010	0.0092	0.00072 J	0.00093 J	**0.0014**	**0.0016**	**0.0018**	0.00083	**0.0011**	**0.0015**	0.00019 J	0.0064	0.006	**0.00093**	<0.0010	0.0011	0.00051 J	0.0034
MW-P4	9/9/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0136	0.0132	<0.0048	<0.00095	0.0205	0.001	0.0016	**0.0025**	**0.0022**	**0.0025**	0.0011	**0.0014**	**0.0021**	**0.00032**	0.0098	0.0129	**0.0013**	<0.00095	0.0318	0.0029	0.0058
MW-P4	8/1/2006	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0038 J	0.0023 J	<0.005	<0.0010	0.0239	0.00068 J	0.00064 J	**0.00056**	**0.0006**	**0.0006**	0.00026	**0.00044**	**0.00059**	0.000061 J	0.0054	0.0113	0.00033	<0.0010	<0.0010	<0.0010	0.0021
MW-P4	7/24/2007	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0046	0.00054 J	0.00078 J	**0.0032**	**0.0038**	**0.0042**	0.0019	**0.0026**	**0.0035**	**0.00058**	0.0077	0.0026	**0.0023**	<0.00096	0.00072 J	0.00092 J	0.0064
MW-P4	11/19/2008	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0024	<0.00097	<0.00097	**0.00078**	**0.001**	**0.0013**	0.00056	**0.00045**	**0.00056**	0.00015 J	0.0029	<0.00097	**0.00068**	<0.00097	<0.00097	<0.00097	0.0016
MW-P4	12/9/2009	393.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00097	0.0045	<0.00097	<0.00097	**0.0015**	**0.0019**	**0.0029**	0.00079	**0.001**	**0.0015**	0.00019	0.004	<0.00097	**0.00095**	<0.00097	<0.00097	<0.00097	0.0034
MW-P4	11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0025	<0.00096	<0.00096	<0.00019	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0027	<0.00096	<0.00019	<0.00019	<0.00019	<0.00019	0.001
MW-P4	7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	0.0025	<0.00096	<0.00096	<0.00019	<0.00019	0.0021	<0.00019	0.00019	0.00019	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096	<0.00096
MW-P4	4/9/2018	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.00098	0.0159	<0.00098	<0.00098	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00098	0.0032	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098
MW-P4	12/16/2019	--	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.00094	0.0041	<0.00094	<0.00094	<0.00019	<0.00019	0.00026	<0.00019	<0.00019	<0.00019	<0.00019	<0.00094	0.00097	<0.00019	<0.00094	<0.00094	<0.00094	<0.00094

Table 4.
Groundwater SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	Turbidity (NTU)	2,4-Dichlorophenol *	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Benzyl Butyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenz(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1996 VRP Tier II Residential	--	0.11 *	0.73 *	1.52	1.52	3.648	0.01	0.1	0.043 *	0.015 *	0.006	0.001	1.824	0.071 *	9.12	0.0001	0.0002	0.0002	***	0.0002	0.0002	0.0003	0.2432	1.216	0.0004	0.031 *	1.216	0.021 *	0.912
1996 VRP Tier II Non-Residential	--	0.31 *	2.0 *	5.11	5.11	12.26	0.26	20.44	0.14 *	0.2 *	0.2043	0.05	6.132	0.73 *	30.66	0.01	0.01	0.01	***	0.0392	0.3918	0.01	0.8176	4.088	0.01	0.41 *	4.088	0.31 *	3.066
Location ID / Sample Date																													
MW-P5 5/18/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 8/4/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	0.007	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	<0.010	*<0.010*	*<0.050*	<0.010	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	<0.010	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P5 10/30/2003	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	*<0.0010*	0.0083	<0.0010	<0.0010	*<0.00020*	*<0.00020*	*<0.00020*	<0.00020	<0.00020	*<0.00020*	*<0.00020*	<0.00020	<0.0010	<0.0010	<0.00020	<0.0010	<0.0010	0.00037
MW-P5 2/17/2004	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0010	0.0073	<0.0010	<0.0010	*<0.00020*	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	0.00071 J	<0.00020	<0.0010	0.0029	<0.0010
MW-P5 11/19/2008	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	0.000058 J	<0.00019	0.000080 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-P5 12/9/2009	182.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0124	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-P5 11/10/2011	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-P5 7/16/2015	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00096	<0.00096	<0.00096	<0.00096	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00096	<0.00096	<0.00019	<0.00096	<0.00096	<0.00096	<0.00096
MW-P5 3/22/2018	2	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	<0.00095	<0.00095	<0.00095	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095	<0.00095	<0.00019	<0.00095	<0.00095	<0.00095	<0.00095
MW-P6 5/18/2000	--	NA	NA	0.0059	NA	<0.010	<0.010	<0.010	0.021	**0.046**	*<0.010*	*<0.050*	0.066	<0.010	0.0075	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	0.018	0.049	*<0.010*	**0.055**	0.51	**0.061**	0.013
MW-P6 8/14/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	0.022	**0.023**	*<0.010*	*<0.050*	0.046	0.014	<0.010	**0.011**	*<0.010*	*<0.010*	<0.010	*<0.010*	**0.01**	*<0.010*	0.048	0.035	*<0.010*	<0.010	<0.010	<0.010	0.044
MW-P6 11/13/2000	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.0051	*<0.010*	*<0.050*	0.0097	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	0.005	*<0.010*	<0.010	0.0068	<0.010	<0.010
MW-P6 2/1/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.0068	*<0.010*	*<0.050*	0.012	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	0.0069	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P6 6/21/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.01	*<0.010*	*<0.050*	0.019	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	0.0064	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P6 12/11/2001	--	NA	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010	0.01	*<0.010*	*<0.050*	0.018	<0.010	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	*<0.010*	*<0.010*	*<0.010*	<0.010	0.0096	*<0.010*	<0.010	<0.010	<0.010	<0.010
MW-P6 8/11/2003	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	0.0041	0.0089	<0.0057	*<0.0010*	0.0133	0.00061	0.0017	**0.00064**	**0.00067**	**0.00088**	0.00048	**0.00029**	**0.00066**	0.00012	0.0048	0.0088	**0.00058**	<0.0010	0.0015	0.00091	0.0026
MW-P6 10/30/2003	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0112	**0.0208**	<0.0052	<0.0010	0.027	0.0015	0.0037	**0.002**	**0.002**	**0.002**	0.001	**0.0013**	**0.0021**	0.00027	0.0117	0.0221	**0.0013**	<0.0010	0.00035	0.0011	0.0072
MW-P6 2/17/2004	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0029 J	0.006	<0.0052	<0.0010	0.0111	0.00082 J	0.0015	**0.0013**	**0.0016**	**0.0017**	0.00096	**0.001**	**0.0016**	0.00021	0.0041	0.0068	**0.001**	<0.0010	0.00030 J	0.00092 J	0.0025
MW-P6 9/10/2004	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0091	<0.00095	0.00075	**0.0004**	**0.00034**	**0.00037**	0.00019	**0.00021**	**0.00038**	<0.00019	0.003	0.0058	0.00031	<0.00095	0.00052	0.0011	0.0016
MW-P6 8/1/2006	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.00095	0.0103	0.00049 J	0.0005 J	**0.00039**	**0.00046**	**0.00043**	0.00029	**0.00032**	**0.00044**	0.000058 J	0.0046	0.0084	0.00039	<0.00095	0.00031 J	<0.00095	0.0024
MW-P6 7/24/2007	--	Well abandoned August 2006 in preparation for Creek Liner Installation in August 2007																											
RW-1 7/15/2015	14.2	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	**0.232**	**0.15**	<0.023	<0.045	0.203	<0.045	<0.045	*<0.0091*	*<0.0091*	*<0.0091*	<0.0091	*<0.0091*	*<0.0091*	*<0.0091*	<0.0045	0.142	<0.0091	**0.185**	**2.68**	**0.198**	<0.045
RW-4 4/15/2010	75.1	<0.095	**1.38**	0.374	0.482	<0.095	<0.095	<0.095	**0.479**	**0.63**	<0.095	*<0.38*	0.886	*<0.38*	<0.38	**0.157**	**0.083**	**0.114**	<0.076	*<0.076*	**0.122**	*<0.076*	**0.881**	0.731	*<0.076*	**1.37**	**13.2**	**1.59**	0.566
RW-5 4/15/2010	364.0	<0.019	0.392	0.042	0.0359	<0.019	<0.019	<0.019	**0.312**	**0.294**	<0.019	*<0.19*	0.36	*<0.19*	<0.19	*<0.038*	*<0.038*	*<0.038*	<0.038	*<0.038*	*<0.038*	*<0.038*	<0.19	0.256	*<0.038*	**0.692**	**7.16**	**0.397**	<0.19
RW-6 4/15/2010	218.0	<0.019	0.606	0.229	0.267	0.021	<0.019	<0.019	**0.327**	**0.25**	<0.019	*<0.38*	0.381	*<0.38*	<0.38	*<0.38*	*<0.076*	*<0.076*	<0.076	*<0.076*	*<0.076*	*<0.076*	<0.38	<0.38	*<0.076*	**0.719**	**9.33**	*<0.38*	<0.38

0.68 BOLD - Concentration exceeds 1996 IDEM VRP Tier II Default Residential Closure Levels
770 BOLD/SHADE - Concentration exceeds 1996 IDEM VRP Tier II Default Non-residential (Industrial) Closure Levels
< Analyte not detected above the laboratory's Run Detection Limit, displayed as ND (Non-detect) in laboratory analytical data packages.
<0.050 *Italics* - Analyte not detected above the laboratory's Run Detection Limit, however Detection Limit is above VRP Closure Levels
NA Not Analyzed
* Cleanup goals with an asterisk are taken form the January 31, 2006 IDEM RISC Technical Guide Appendix 1, since the Constituents did not have cleanup goals in the 1996 VRP Guidance Manual
*** Benzo(g,h,i)perylene does not have a cleanup goal in the 1996 VRP Guidance Manual or in the current IDEM RISC Technical Guide Appendix 1, dated January 26, 2006.

ARCADIS Design & Consultancy for natural and built assets

Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
A1	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A2	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A3	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A4	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A5	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A6	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A7	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A8	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A9	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A10	8/7/2003	0 - 2	< .0057	< .0057	< .0057	< .017	25.1	58.2
A10	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A10E	8/7/2003	0 - 2	< 15	< 15	< 15	< 46	18.9	26.7
A10N	8/7/2003	0 - 2	< .0056	< .0056	< .0056	< .017	3.2	< 12
A10S	8/7/2003	0 - 2	< 2.6	1.39	< 2.6	4.43	16.9	21.5
A10W	8/7/2003	0 - 2	< .0063	< .0063	< .0063	< .019	35.1	69.0
A11	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A12	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A13	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
A14	8/5/2003	0 - 2	< .0061	< .0061	< .0061	< .018	7.7	15.6
A15	8/5/2003	0 - 2	< .0058	< .0058	< .0058	< .018	14.5	29.3
A16	8/5/2003	0 - 2	< .0052	< .0052	< .0052	< .016	10.6	28.0
B1	8/7/2003	0 - 2	< .0064	< .0064	< .0064	< .019	475	55.4
B1	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B1E	8/7/2003	0 - 2	< .0062	< .0062	< .0062	< .019	297	29.9
B1N	8/7/2003	0 - 2	< .006	< .006	< .006	< .018	180	110
B1S	8/7/2003	0 - 2	< .0057	< .0057	< .0057	< .017	124	169
B1W	8/7/2003	0 - 2	< .006	< .006	< .006	< .018	3.3	13.3
B2	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B3	8/7/2003	0 - 2	< .0062	< .0062	< .0062	< .019	31.9	33.8
B3	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B3E	8/7/2003	0 - 2	< .0056	< .0056	< .0056	< .017	15.2	24.6
B3N	8/7/2003	0 - 2	< 5.3	2.36	< 5.3	10.9	220	135
B3S	8/8/2003	0 - 2	< .0058	< .0058	< .0058	< .018	12.2	17.6
B3W	8/8/2003	0 - 2	< .0056	< .0056	< .0056	.006	4.4	14.0
B4	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B5	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B6	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B7	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B8	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
B9	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
B10	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B10	8/7/2003	0 - 2	< .0048	< .0048	< .0048	< .014	57.9	17.1
B10E	8/7/2003	0 - 2	< .0066	< .0066	< .0066	< .02	10.9	25.2
B10N	8/7/2003	0 - 2	< .0046	< .0046	< .0046	< .014	81.6	26.5
B10S	8/7/2003	0 - 2	< .0057	< .0057	< .0057	< .017	26.7	62.8
B10W	8/7/2003	0 - 2	< .0051	< .0051	< .0051	< .015	140	46.2

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
B11	4/4/2000	0 - 2	N/A	N/A	N/A	N/A	N/A	N/A
B12	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
B13	4/3/2000	0 - 2	NA	NA	NA	NA	NA	NA
C1	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
C2	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
C3	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
C4	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
C5	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
C6	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
C7	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
C8	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D1	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D2	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D3	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D4	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D4	8/6/2003	0 - 2	< .0051	< .0051	< .0051	< .015	9.1	< 12
D4E	8/6/2003	0 - 2	< .0065	< .0065	< .0065	< .019	112	100
D4N	8/6/2003	0 - 2	< .0039	< .0039	< .0039	< .012	17.5	13.8
D4S	8/6/2003	0 - 2	< .0059	< .0059	< .0059	< .018	6.1	13.8
D4W	8/6/2003	0 - 2	< .0042	< .0042	< .0042	< .013	91.9	50.5
D5	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D6	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D6	8/6/2003	0 - 2	< .0077	< .0077	< .0077	< .023	9.5	72.8
D6N	8/6/2003	0 - 2	< .0063	< .0063	< .0063	< .019	7.4	65.4
D6S	8/6/2003	0 - 2	< .0061	< .0061	< .0061	< .018	6.4	54.9
D6E	8/6/2003	0 - 2	< .0066	< .0066	< .0066	< .02	5.8	54.5
D6W	8/6/2003	0 - 2	< .0064	< .0064	< .0064	< .019	20.2	52.4
D7	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D8	8/6/2003	0 - 2	< .0077	< .0077	< .0077	< .023	9.5	72.8
D8	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
D8E	8/6/2003	0 - 2	< .0066	< .0066	< .0066	< .02	5.8	54.5
D8N	8/6/2003	0 - 2	< .0063	< .0063	< .0063	< .019	7.4	65.4
D8S	8/6/2003	0 - 2	< .0061	< .0061	< .0061	< .018	6.4	54.9
D8W	8/6/2003	0 - 2	< .0064	< .0064	< .0064	< .019	20.2	52.4
D9	8/6/2003	0 - 2	< .0059	< .0059	< .0059	< .018	8.2	12.0
D10	8/6/2003	0 - 2	< .27	< .27	< .27	< .8	NA	NA
E1	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
E1	8/6/2003	0 - 2	< .0046	< .0046	< .0046	< .014	8.3	39.7
E1E	8/6/2003	0 - 2	< .0063	< .0063	< .0063	< .019	9.4	40.8
E1N	8/6/2003	0 - 2	< .0052	< .0052	< .0052	< .016	41.9	90.2
E1S	8/6/2003	0 - 2	< .0063	< .0063	< .0063	< .019	5.1	< 12
E1W	8/6/2003	0 - 2	< .0056	< .0056	< .0056	< .017	14.7	19.9
E2	8/6/2003	0 - 2	< .0061	< .0061	< .0061	< .018	13	14.6
E2	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
E2E	8/6/2003	0 - 2	< .0059	< .0059	< .0059	< .018	8.3	25.6
E2N	8/6/2003	0 - 2	< .0044	< .0044	< .0044	< .013	47.2	< 11

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth Interval	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
E2S	8/6/2003	0 - 2	< .0071	< .0071	< .0071	< .021	117	70.3
E2W	8/6/2003	0 - 2	< .0036	< .0036	< .0036	< .011	7.8	11.7
E3	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E3	8/6/2003	0 - 2	< .0064	< .0064	< .0064	< .019	9.7	126
E3E	8/6/2003	0 - 2	< .0066	< .0066	< .0066	< .02	7.6	114
E3N	8/6/2003	0 - 2	< .0064	< .0064	< .0064	< .019	30.0	169
E3S	8/6/2003	0 - 2	< .0062	< .0062	< .0062	< .018	6.1	73.4
E3W	8/6/2003	0 - 2	< .0072	< .0072	< .0072	< .022	7.0	50.2
E4	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E4	8/6/2003	0 - 2	< .0052	< .0052	< .0052	< .016	9.8	66.7
E4E	8/6/2003	0 - 2	< .004	< .004	< .004	< .012	7.8	63.6
E4N	8/6/2003	0 - 2	< .0056	< .0056	< .0056	< .017	5.4	60.2
E4S	8/6/2003	0 - 2	< .0055	< .0055	< .0055	< .017	9.8	45.9
E4W	8/6/2003	0 - 2	< .0065	< .0065	< .0065	< .02	9.3	98.4
E5	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E6	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E7	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E8	4/5/2000	0 - 2	NA	NA	NA	NA	NA	NA
E9	8/6/2003	0 - 2	< .0055	< .0055	< .0055	< .016	19.4	19.5
F1	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F2	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F3	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F4	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F5	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F5	8/5/2003	0 - 2	< .0061	< .0061	< .0061	< .018	7.8	< 13
F5E	8/5/2003	0 - 2	< .0056	< .0056	< .0056	< .017	3.3	13.0
F5N	8/5/2003	0 - 2	< .0067	< .0067	< .0067	< .02	14.3	40.3
F5S	8/5/2003	0 - 2	< .0065	< .0065	< .0065	< .019	7.0	13.9
F5W	8/5/2003	0 - 2	< .0061	< .0061	< .0061	< .018	205	32.3
F6	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
F7	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
F8	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G1	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G2	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G3	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G4	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G5	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
G6	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
G7	4/4/2000	0 - 2	NA	NA	NA	NA	NA	NA
G7	8/5/2003	0 - 2	< .0053	< .0053	< .0053	< .016	10.5	< 11
G7E	8/5/2003	0 - 2	< .0063	< .0063	< .0063	< .019	14.9	85.2
G7N	8/5/2003	0 - 2	< .0057	< .0057	< .0057	< .017	8.2	94.9
G7S	8/5/2003	0 - 2	< .0059	< .0059	< .0059	< .018	3.5	< 11
G7W	8/5/2003	0 - 2	< .0062	< .0062	< .0062	< .019	31.1	65.6
G8	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
H1	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
H2	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
H3	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
H4	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
H5	8/5/2003	0 - 2	< .0061	< .0061	< .0061	< .018	72.6	25.6
H5	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
H5E	8/5/2003	0 - 2	< .0067	< .0067	< .0067	< .02	58.8	598
H5N	8/5/2003	0 - 2	< .0054	< .0054	< .0054	< .016	21.1	< 12
H5S	8/5/2003	0 - 2	< .0059	< .0059	< .0059	< .018	31.2	30.5
H5W	8/5/2003	0 - 2	< .0054	< .0054	< .0054	< .016	57.6	30.5
H6	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
H7	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
H8	4/6/2000	0 - 2	NA	NA	NA	NA	NA	NA
I1	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I2	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I3	8/5/2003	0 - 2	< .0059	< .0059	< .0059	< .018	29.1	14.3
I3	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I3E	8/5/2003	0 - 2	< .0053	< .0053	< .0053	< .016	22.9	14.6
I3N	8/5/2003	0 - 2	< .0052	< .0052	< .0052	< .015	100	< 9.9
I3S	8/5/2003	0 - 2	< .0057	< .0057	< .0057	< .017	11.4	< 12
I3W	8/5/2003	0 - 2	< .0075	< .0075	< .0075	< .023	7.4	27.9
I4	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I5	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I6	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I7	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
I8	4/11/2000	0 - 2	NA	NA	NA	NA	NA	NA
J1	8/20/2003	0 - 2	< .0041	< .0041	< .0041	< .012	54.2	117
J2	8/20/2003	0 - 2	< .0048	< .0048	< .0048	< .015	13.3	25.2
J3	8/20/2003	0 - 2	< .0059	< .0059	< .0059	< .018	159	43.9
J4	8/21/2003	0 - 2	< .008	< .008	< .008	< .024	242	82.8
J5	8/21/2003	0 - 2	< .0061	< .0061	< .0061	< .018	36.1	18.4
J6	8/21/2003	0 - 2	< .006	< .006	< .006	< .018	78.6	109
J7	8/21/2003	0 - 2	< .006	< .006	< .006	< .018	174	66.9
J8	8/21/2003	0 - 2	< .0057	< .0057	< .0057	< .017	5.9	14.5
J9	8/21/2003	0 - 2	< .0059	< .0059	< .0059	< .018	20.9	117
J10	8/20/2003	0 - 2	< .005	< .005	< .005	< .015	15.6	70.5
J11	8/21/2003	0 - 2	< .0064	< .0064	< .0064	< .019	54.4	46.7
K1	8/21/2003	0 - 2	< .0061	< .0061	< .0061	< .018	188	129
K2	8/21/2003	0 - 2	< .0061	< .0061	< .0061	< .018	62.3	80.3
K3	8/21/2003	0 - 2	< .0071	< .0071	< .0071	< .021	29.8	42.5
K4	8/21/2003	0 - 2	< .0042	< .0042	< .0042	< .013	6.6	16.2
K5	8/21/2003	0 - 2	< .0056	< .0056	< .0056	< .017	85.6	55.8
K7	8/21/2003	0 - 2	< .0054	< .0054	< .0054	< .016	37.0	69.7
K8	8/21/2003	0 - 2	< .0056	< .0056	< .0056	< .017	11.4	25.6
K9	8/20/2003	0 - 2	< .0061	< .0061	< .0061	< .018	23.0	73.2
L1	8/20/2003	0 - 2	< .0054	< .0054	< .0054	< .016	95.7	194
L2	8/20/2003	0 - 2	< .005	< .005	< .005	< .015	50.0	81.3

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
L3	8/20/2003	0 - 2	< .0056	< .0056	< .0056	< .017	51.4	182
L4	8/20/2003	0 - 2	< .0055	< .0055	< .0055	< .017	59.5	82.1
L5	8/20/2003	0 - 2	< .0045	< .0045	< .0045	< .013	78.5	48.5
L6	8/21/2003	0 - 2	< .0079	< .0079	< .0079	< .024	18.7	22.5
L7	8/21/2003	0 - 2	< .0056	< .0056	< .0056	< .017	85.2	40.5
L8	8/21/2003	0 - 2	< .0061	< .0061	< .0061	< .018	12.0	23.3
L9	8/21/2003	0 - 2	< .0062	< .0062	< .0062	< .019	140	86.6
L10	8/21/2003	0 - 2	< .0072	< .0072	< .0072	< .022	NA	NA
L11	8/21/2003	0 - 2	< .0068	< .0068	< .0068	< .02	232	74.9
L12	8/21/2003	0 - 2	< .0067	< .0067	< .0067	< .02	4.6	14.2
L13	8/21/2003	0 - 2	< .0059	< .0059	< .0059	< .018	19.1	24.4
LAGOON A1	8/8/2003	0 - 2	< .0046	< .0046	< .0046	< .014	64.2	60.2
LAGOON A2	8/8/2003	0 - 2	< .006	< .006	< .006	< .018	12.3	22.4
LAGOON A3	8/8/2003	0 - 2	< .0059	< .0059	< .0059	< .018	67.9	151
LAGOON B1	8/8/2003	0 - 2	< .0049	< .0049	< .0049	< .015	7.0	16.3
LAGOON B2	8/8/2003	0 - 2	< .0048	< .0048	< .0048	< .014	7.1	13.0
LAGOON B3	8/8/2003	0 - 2	< .0057	< .0057	< .0057	< .017	47.5	113
M1	8/20/2003	0 - 2	< .0073	< .0073	< .0073	< .022	60.2	22.9
M2	8/20/2003	0 - 2	< .0071	< .0071	< .0071	< .021	5.0	14.6
M3	8/20/2003	0 - 2	< .0055	< .0055	< .0055	< .016	5.9	18.0
M4	8/20/2003	0 - 2	< .0066	< .0066	< .0066	< .02	3.9	13.2
M5	8/20/2003	0 - 2	< .0065	< .0065	< .0065	< .02	3.7	14.0
M6	8/20/2003	0 - 2	< .0063	< .0063	< .0063	< .019	3.9	13.0
M7	8/20/2003	0 - 2	< .0051	< .0051	< .0051	< .015	26.3	20.3
M8	8/20/2003	0 - 2	< .006	< .006	< .006	< .018	6.7	17.6
M9	8/21/2003	0 - 2	< .0071	< .0071	< .0071	< .021	6.5	15.1
MW-14S	7/30/2003	0 - 2	< .005	< .005	< .005	< .015	NA	NA
MW-14D	7/30/2003	0 - 2	< .0054	< .0054	< .0054	< .016	7.2	11.6
MW-15S	7/31/2003	0 - 2	< .005	< .005	< .005	< .015	NA	NA
MW-15D	7/31/2003	0 - 2	.0064	.028	.0422	.12	4.4	< 12
MW-16S	7/31/2003	0 - 2	< .0062	< .0062	< .0062	< .019	NA	NA
MW-16D	7/31/2003	0 - 2	< .006	< .006	< .006	< .018	5.8	13.0
MW-17S	7/31/2003	0 - 2	< .0059	< .0059	< .0059	< .018	83.4	30.3
MW-17D	7/31/2003	0 - 2	< .0061	< .0061	< .0061	< .018	35.2	74.4
MW-18S	8/1/2003	0 - 2	< .0056	< .0056	< .0056	< .017	18.1	57.1
MW-18D	8/1/2003	0 - 2	< .0057	< .0057	< .0057	< .017	7.3	26.3
MW-19S	8/1/2003	0 - 2	< .006	< .006	< .006	< .018	7.4	14.5
MW-19D	8/1/2003	0 - 2	< .0057	< .0057	< .0057	< .017	8.8	17.7
MW-20S	10/24/2003	0 - 2	< .0068	< .0068	< .0068	< .021	6.2	105
MW-20D	10/27/2003	0 - 2	<.0063	<.0063	<.0063	<.019	6.7	157
MW-21S	10/24/2003	0 - 2	< .0066	< .0066	< .0066	< .02	5.2	108
MW-21D	10/27/2003	0 - 2	<.0063	<.0063	<.0063	<.019	6.2	103
MW-22D	10/27/2003	0 - 2	<.0056	<.0056	<.0056	<.017	14.4	28.3
MW-23D	10/23/2003	0 - 2	< .0077	< .0077	< .0077	< .023	7.1	109
MW-24A	7/21/2008	0 - 1.5	< 0.0053	< 0.0053	< 0.0053	< 0.0016	8.6	78.8
MW-25A	7/24/2008	0 - 2	< 0.052	0.466	0.202	1.25	53.4	96.6

ARCADIS Design & Consultancy for natural and built assets

Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
MW-26A	7/29/2008	0 - 2	< 0.0052	< 0.0052	< 0.0052	< 0.016	6.5	27.7
MW-27A	8/5/2008	0 - 2	< 0.0054	< 0.0054	< 0.0054	< 0.016	2.9	10.8
MW-27B	8/8/2008	0 - 2	< 0.0061	< 0.0061	< 0.0061	< 0.018	6.2	125
MW-28A	1/5/2009	0 - 2	< 0.0064	< 0.0064	< 0.0064	< 0.019	6.2	71.3
MW-28B	1/12/2009	0 - 2	< 0.0065	< 0.0065	< 0.0065	< 0.020	6.4	< 24
MW-28C	1/14/2009	0 - 2	< 0.0055	< 0.0055	< 0.0055	< 0.017	5.4	74.7
MW-29A	1/22/2009	0 - 2	0.368 J	0.904 J	0.611 J	2.58 J	9.8	36.6
MW-29B	2/3/2009	0 - 2	< 0.0071	0.0016 J	< 0.0071	< 0.021	21.6	34.5
MW-30A	10/12/2009	0 - 2	< 0.0059	< 0.0059	< 0.0059	< 0.018	3.4	12.5
MW-30B	10/14/2009	0 - 2	<0.0054	< 0.0054	< 0.0054	< 0.016	8.8	15.4
MW-30C	10/15/2009	0 - 2	< 0.010	<0.010	< 0.010	< 0.030	13	26.5
MW-31A	10/19/2009	0 - 2	< 0.0060	< 0.0060	< 0.0060	< 0.018	4.7	33.2
MW-31B	10/20/2009	0 - 2	< 0.0055	0.0017 J	< 0.0055	< 0.017	3.8	11.5
MW-31C	10/26/2009	0 - 2	< 0.0052	0.0015 J	< 0.0052	< 0.016	5.9	73.9
MW-32A	10/27/2009	0 - 2	< 0.0050	< 0.0050	< 0.0050	< 0.015	4	16.9
MW-32B	4/9/2012	0 -2	<0.0044	<0.0044	<0.0044	<0.013	19.4	35.5
MW-33A	11/2/2009	0 - 2	< 0.0063	< 0.0063	< 0.0063	< 0.019	11.3	18.2
MW-33B	11/5/2009	0 - 2	< 0.0062	< 0.0062	< 0.0062	< 0.019	7	21.8
MW-33C	11/9/2009	0 - 2	< 0.0046	< 0.0046	< 0.0046	< 0.014	7.1	21.4
MW-34A	11/18/2009	0 - 2	< 0.0058	< 0.0058	< 0.0058	< 0.017	32	59.5
MW-35A	2/8/2010	0 - 2	<0.0069	<0.0069	<0.0069	<0.021	7.3	14.6
MW-35B/C	2/8/2010	0 - 2	<0.0078	<0.0078	<0.0078	<0.024	7.9	25.4
MW-36A/B	2/11/2010	0 - 2	<0.0069	<0.0069	<0.0069	<0.021	5.1	19.2
MW-36C	2/15/2010	0 - 2	<0.0046	<0.0046	<0.0046	<0.014	10	18.3
MW-37A/B	2/17/2010	0 - 2	<0.0054	<0.0054	<0.0054	<0.016	6.9	44.9
MW-37C	9/2/2011	0 - 2	NA	NA	NA	NA	5.6	61
MW-38A	3/22/2010	0 - 2	<0.0055	<0.0055	<0.0055	<0.016	11.8	17.4
MW-38B	3/23/2010	0 - 2	<0.0051	<0.0051	<0.0051	<0.15	9.6	14.2
MW-39A	3/23/2010	0 - 2	<0.0057	<0.0057	<0.0057	<0.017	10.4	<23
MW-39B	3/23/2010	0 - 2	<0.0049	<0.0049	<0.0049	<0.015	8.2	25.4
MW-40A	4/2/2010	0 - 2	<0.0052	<0.0052	<0.0052	<0.016	4.2	<23
MW-40B/C	4/6/2010	0 - 2	<0.0044	<0.0044	<0.0044	<0.013	7.2	13.2
MW-41A	11/2/2010	0 - 2	< 0.0059	< 0.0059	< 0.0059	0.018	6.7	18.5
MW-42A	11/3/2010	0 - 2	<0.0042	<0.0042	<0.0042	<0.012	7.2	16.6
MW-42B	11/3/2010	0 - 2	< 0.0058	< 0.0058	< 0.0058	< 0.017	8	15.3
MW-43A	11/9/2010	0 - 2	<0.0055	<0.0055	<0.0055	<0.016	7.7	26.3
MW-44A	11/11/2010	0 - 2	<0.0062	<0.0062	<0.0062	<0.019	8.2	17.9
MW-45A/B	11/12/2010	0 - 2	<0.0063	<0.0063	<0.0063	<0.019	4.5	18.4
MW-45C	11/17/2010	0 - 2	<0.0063	<0.0063	<0.0063	<0.019	5.9	21
MW-46A	11/18/2010	0 - 2	<0.0064	<0.0064	<0.0064	<0.019	3.8	12.9
MW-47A	11/19/2010	0 - 2	<0.0057	<0.0057	<0.0057	<0.017	4.5	46.1
MW-48	1/4/2011	0 - 2	<0.0041	<0.0041	<0.0041	<0.012	4.8	21.1
MW-49A	7/26/2011	0 - 2	<0.0051	<0.0051	<0.0051	<0.015	5.7	12.9
MW-49C	7/28/2011	0 - 2	<0.0041	<0.0041	<0.0041	<0.012	17.4	21.6
MW-50A	8/1/2011	0 - 2	<0.0044	<0.0044	<0.0044	<0.013	1.7	0.87
MW-51A	8/4/2011	0 - 2	<0.0054	<0.0054	<0.0054	<0.016	5.1	18

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
MW-52A	8/10/2011	0 - 2	<0.0042	<0.0042	<0.0042	<0.013	6.9	12.5
MW-53A	8/29/2011	0 - 2	<0.0064	<0.0064	<0.0064	<0.019	8.1	31.4
MW-54A	4/11/2012	0 - 2	<0.0056	<0.0056	<0.0056	<0.017	4.8	23.2
MW-55A	4/12/2012	0 - 2	<0.0039	<0.0039	<0.0039	<0.012	13.9	14.9
MW-56A	4/16/2012	0 - 2	<0.0041	<0.0041	<0.0041	<0.012	4.5	11.3
RW-1	10/29/2009	0 - 2	1.13	1.92	0.652	3.11	9.4	86.8
RW-2	11/10/2009	0 - 2	< 0.0064	< 0.0064	< 0.0064	< 0.019	6.5	10.5
RW-3	11/11/2009	0 - 2	< 0.0065	< 0.0065	< 0.0065	< 0.019	6.3	11.8
RW-4	11/13/2009	0 - 2	< 0.0055	< 0.0055	< 0.0055	< 0.017	3.6	17.3
RW-5	11/16/2009	0 - 2	< 0.011	< 0.011	< 0.011	< 0.034	4.4	67.8
RW-6	3/31/2010	0 - 2	<0.0058	<0.0058	<0.0058	<0.017	5.8	57.2
RW-7	11/1/2010	0 - 2	<0.0071	<0.0071	<0.0071	<0.021	22.9	16.3
RW-8	4/18/2012	0 - 2	<0.0072	<0.0072	<0.0072	<0.022	78.1	177
N1	8/19/2003	0 - 2	< .0054	< .0054	< .0054	< .016	207	55.3
N2	8/19/2003	0 - 2	< .007	< .007	< .007	< .021	165	65.6
N3	8/19/2003	0 - 2	< .0057	< .0057	< .0057	< .017	4.2	< 11
N4	8/19/2003	0 - 2	< .0061	< .0061	< .0061	< .018	6.0	15.1
N5	8/19/2003	0 - 2	< .0061	< .0061	< .0061	< .018	3.7	15.0
N6	8/19/2003	0 - 2	< .0062	< .0062	< .0062	< .019	50.1	31.0
N7	8/19/2003	0 - 2	< .0052	< .0052	< .0052	< .015	61.7	52.1
N8	8/19/2003	0 - 2	< .0055	< .0055	< .0055	< .017	44.1	30.7
P1	8/19/2003	0 - 2	< .0055	< .0055	< .0055	< .016	8.1	256
P2	8/19/2003	0 - 2	< .0053	< .0053	< .0053	< .016	14.0	74.2
P3	8/19/2003	0 - 2	< .0054	< .0054	< .0054	< .016	3.5	14.8
P4	8/19/2003	0 - 2	< .0047	< .0047	< .0047	< .014	6.5	69.7
P5	8/19/2003	0 - 2	< .0058	.0109	< .0058	< .017	172	140
P6	8/19/2003	0 - 2	< .0055	< .0055	< .0055	< .016	73.2	143
P7	8/19/2003	0 - 2	< .0058	< .0058	< .0058	< .018	121	202
P8	8/19/2003	0 - 2	< .0061	< .0061	< .0061	< .018	21.2	99.0
Q1	8/19/2003	0 - 2	< .0051	.0109	0.0025	.0111	46.2	90.3
Q2	8/19/2003	0 - 2	< .0056	< .0056	< .0056	< .017	69.4	148
Q3	8/19/2003	0 - 2	< .0058	< .0058	< .0058	< .017	89	116
Q4	8/19/2003	0 - 2	< .0053	< .0053	< .0053	< .016	82.4	**1750**
Q5	8/19/2003	0 - 2	< .0051	< .0051	< .0051	< .015	33.2	62.5
Q6	8/19/2003	0 - 2	< .0048	< .0048	< .0048	< .015	14.5	16.7
Q7	8/19/2003	0 - 2	< .0064	< .0064	< .0064	< .019	35.8	314
Q8	8/19/2003	0 - 2	< .0059	< .0059	< .0059	< .018	10.9	18.9
S1	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S2	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S3	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S4	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S6	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S7	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S8	9/25/2000	0 - 2	NA	NA	NA	NA	NA	NA
S9	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA
S10	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA

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Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth Interval	Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
S11	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA
S12	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA
S13	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA
S14	8/8/2003	0 - 2	< .0058	< .0058	< .0058	< .017	17.0	21.6
S14	9/29/2000	0 - 2	NA	NA	NA	NA	NA	NA
S14E	8/8/2003	0 - 2	< .0057	< .0057	< .0057	< .017	63.4	45.4
S14N	8/8/2003	0 - 2	< .0057	< .0057	< .0057	< .017	104	104
S14W	8/8/2003	0 - 2	< .0053	< .0053	< .0053	< .016	51.6	110
S-15	5/6/2004	0 - .5	< .006	< .006	< .006	< .018	38.9	70.1
S-16	5/6/2004	0 - .5	< .0061	< .0061	< .0061	< .018	98.3	67.4
S-17	5/6/2004	0 - .5	< .006	< .006	< .006	< .018	188	74.8
S-18	5/6/2004	0 - .5	< .0065	< .0065	< .0065	< .019	68.1	150
S-19	5/6/2004	0 - .5	< .0058	< .0058	< .0058	< .018	1.6	38.4
S-20	5/6/2004	0 - .5	< .0058	< .0058	< .0058	< .017	7.5	70
S-20	5/6/2004	0 - .5	< .0054	< .0054	< .0054	< .016	6.6	52.1
S-21	5/6/2004	0 - .5	< .0067	< .0067	< .0067	< .02	**793**	157
S-22	5/6/2004	0 - .5	< .0051	< .0051	< .0051	< .015	62.9	47.6
S-23	5/6/2004	0 - .5	< .0063	< .0063	< .0063	< .019	206	56.6
S-24	5/6/2004	0 - .5	< .0055	< .0055	< .0055	< .017	123	34
S-25	5/6/2004	0 - .5	< .0054	< .0054	< .0054	< .016	98.8	48.7
S-26	5/6/2004	0 - .5	< .0061	< .0061	< .0061	< .018	357	27.8
S-27	5/6/2004	0 - .5	< .0069	< .0069	< .0069	< .021	151	127
S-28	5/6/2004	0 - .5	< .0062	< .0062	< .0062	< .019	41.6	72.4
S-29	5/6/2004	0 - .5	< .0062	< .0062	< .0062	< .019	6.2	290
S-30	5/7/2004	0 - .5	< .0068	.0099	< .0068	.0097	26.8	89.1
S-30	5/7/2004	0 - .5	< .007	.0042	< .007	< .021	16.6	107
S-31	5/7/2004	0 - .5	< .006	< .006	< .006	< .018	23.1	55.1
S-32	5/7/2004	0 - .5	< .0071	.0029	< .0071	< .021	< 1.4	242
S-33	5/7/2004	0 - .5	< .0093	.0096	< .0093	< .028	172	156
S-34	5/7/2004	0 - .5	< .0049	< .0049	< .0049	< .015	1.5	17.6
S-35	5/7/2004	0 - .5	< .0059	< .0059	< .0059	< .018	6.1	106
S-36	5/7/2004	0 - .5	< .0058	< .0058	< .0058	< .017	15.2	31.6
S-37	5/7/2004	0 - .5	< .0057	.0038	< .0057	< .017	207	155
S-38	5/7/2004	0 - .5	< .0071	< .0071	< .0071	< .021	3.8	40.8
S-39	5/7/2004	0 - .5	.003	.0087	< .0053	< .016	51	78.5
S-40	5/7/2004	0 - .5	< .013	< .013	< .013	< .038	6	27.2
S-41	5/7/2004	0 - .5	< .006	< .006	< .006	< .018	3.9	35.7
S-42	5/7/2004	0 - .5	< .0068	< .0068	< .0068	< .02	< 1.3	22.3
S-43	5/7/2004	0 - .5	< .0066	.0109	< .0066	< .02	120	151
S-44	5/7/2004	0 - .5	.0035	.0074	< .008	< .024	166	261
S-45	5/7/2004	0 - .5	< .0067	< .0067	< .0067	< .02	233	23.5
S-46	5/7/2004	0 - .5	< .0078	< .0078	< .0078	< .023	192	39.8
S-47	5/7/2004	0 - .5	< .0077	< .0077	< .0077	< .023	53.3	31.3
S-48	5/7/2004	0 - .5	.0033	.0156	< .0067	< .02	134	138
S-49	5/7/2004	0 - .5	< .0071	< .0071	< .0071	< .021	44.3	**1000**
S-50	5/7/2004	0 - .5	.0039	.0125	< .0066	< .02	40.1	85.1

Table 5.
Surface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			16.6	1,000	1,000	1,000	612	1,000 **
Location ID	Sample Date	Depth Interval						
S-51	5/7/2004	0 - .5	.0032	.0148	< .0078	< .023	214	116
S-52	5/7/2004	0 - .5	< .0067	< .0067	< .0067	< .02	364	47.2
S-53	5/7/2004	0 - .5	< .0081	.0042	< .0081	< .024	99	84.2
S-54	5/7/2004	0 - .5	< .0059	< .0059	< .0059	< .018	47.6	136
VAT1	8/8/2003	0 - 2	< .0047	< .0047	< .0047	< .014	12.6	92.8
VAT2	8/8/2003	0 - 2	< .0059	< .0059	< .0059	< .018	9.7	40.5
VAT3	8/8/2003	0 - 2	< .006	< .006	< .006	< .018	9.1	76.2
WALL1	8/5/2003	0 - 2	< .0054	< .0054	< .0054	< .016	11.8	87.7
WALL2	8/5/2003	0 - 2	< .0071	< .0071	< .0071	< .021	24.1	130
WALL3	8/5/2003	0 - 2	< .0056	< .0056	< .0056	< .017	14.8	30.9

Notes:

Bold Exceeds Tier II Non-residential (Industrial) Cleanup Goal

****** Lead cleanup goals are from the January 26, 1996 IDEM Non-rule Policy (ID# W-0048), *Guidance for Lead cleanup levels for Voluntary Remediation Program* Tier II sites.

NA Not analyzed

Soil boring location has been excavated

ARCADIS Design & Consultancy for natural and built assets

Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
Location ID	Sample Date	Depth/ Interval						
Area-J-CS-1	1/20/2012	5	<0.0042	<0.0042	<0.0042	<0.012	3.6	12.7
Area-J-CS-2	1/20/2012	5	<0.0038	<0.0038	<0.0038	<0.011	4.4	14.4
Area-J-CS-3	1/20/2012	5	<0.27	<0.27	<0.27	<0.80	5.1	14.4
Area-J-CS-4	1/31/2012	5	0.0088	0.0107	0.0579	0.203	4	17.2
Area-J-CS-5	1/31/2012	5	<0.0040	<0.0040	<0.0040	<0.012	9.8	18.1
Area-J-CS-6	2/1/2012	5	<0.0036	<0.0036	<0.0036	<0.011	6.8	14.4
Area-J-CS-7	2/2/2012	5	<0.25	<0.25	<0.25	0.974	4.4	15.5
Area-J-CS-8	2/3/2012	5	<0.29	<0.29	<0.29	<0.86	5.5	23.3
Area-K-CS-1	12/19/2011	2	<0.0045	<0.0045	<0.0045	<0.014	15.7	17.7
Area-K-CS-2	12/19/2011	2	<0.0044	<0.0044	<0.0044	<0.013	7.9	14.5
Area-K-CS-3	12/19/2011	2	<0.0038	<0.0038	<0.0038	<0.011	8.1	20.5
Area-K-CS-4	12/19/2011	2	<0.0043	<0.0043	<0.0043	<0.013	9.7	31.3
Area-K-CS-5	12/19/2011	2	<0.0039	<0.0039	<0.0039	<0.012	6.6	16.1
Area-K-CS-6	12/19/2011	2	<0.0033	<0.0033	<0.0033	<0.0099	5.6	14.1
Area-L-CS-1	12/15/2011	2	<0.0044	<0.0044	<0.0044	<0.013	6.9	15
Area-L-CS-2	12/15/2011	2	<0.0056	<0.0056	<0.0056	<0.017	5.7	13.9
Area-L-CS-3	12/15/2011	2	<0.0047	<0.0047	<0.0047	<0.014	7.1	17.3
Area-L-CS-4	12/15/2011	2	<0.0042	<0.0042	<0.0042	<0.012	5.2	18.8
Area-L-CS-5	12/15/2011	2	<0.0038	<0.0038	<0.0038	<0.011	5.1	13.8
Area-M-CS-1	1/12/2012	5	<0.0046	<0.0046	<0.0046	<0.014	6.7	57.4
Area-M-CS-2	1/12/2012	5	<0.0041	<0.0041	<0.0041	<0.012	7	40.3
Area-M-CS-3	1/12/2012	5	<0.0038	<0.0038	<0.0038	<0.011	5.5	31.2
Area-M-CS-4	1/13/2012	5	<0.0046	<0.0046	<0.0046	<0.014	8.8	16.3
Area-M-CS-5	1/13/2012	5	<0.0042	<0.0042	<0.0042	<0.013	6.2	15.8
Area-N-CS-1	1/12/2012	2	<0.0041	<0.0041	<0.0041	<0.012	6.3	45.8
Area-N-CS-2	1/12/2012	2	<0.0044	<0.0044	<0.0044	<0.013	6.8	55.3
Area-N-CS-3	1/13/2012	2	<0.0036	<0.0036	<0.0036	<0.011	6.4	56.4
Area-O-CS-1	1/18/2012	2	<0.0031	<0.0031	<0.0031	<0.0093	40.8	26.9
Area-O-CS-2	1/18/2012	2	<0.0032	<0.0032	<0.0032	<0.0097	331	136
Area-O-CS-3	1/18/2012	2	0.0179	0.016	0.0294	0.0747	46.2	30.6
Area-P-CS-1	1/17/2012	5	<0.0041	<0.0041	<0.0041	<0.012	8.1	19.7
Area-P-CS-2	1/17/2012	5	<0.0065	<0.0065	<0.0065	<0.019	4.5	16.3
Area-P-CS-3	1/17/2012	5	<0.0062	<0.0062	<0.0062	<0.019	10.1	120
Area-P-CS-4	1/19/2012	5	<0.0054	<0.0054	<0.0054	<0.016	5	10.5
Area-P-CS-5	1/18/2012	5	<0.0029	<0.0029	<0.0029	<0.0086	5.4	16.6
Area-P-CS-6	1/18/2012	5	<0.0031	<0.0031	<0.0031	<0.0094	7.1	14.3
A1	4/3/2000	4 - 5	NA	NA	NA	NA	NA	NA
A2	4/3/2000	4 - 5	NA	NA	NA	NA	NA	NA
A3	4/3/2000	3 - 4.5	NA	NA	NA	NA	NA	NA
A4	8/8/2003	2 - 4	.015	< .006	.0477	.38	14.0	96.2
A4	4/3/2000	5 - 6	NA	NA	NA	NA	NA	NA
A4E	8/8/2003	5 - 6	**< 5.6**	10.2	17.1	104	9.0	25.7
A4N	8/5/2003	4 - 5	< .3	.182	.176	1.46	13.9	138

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Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth/ Interval	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	Arsenic mg/kg	Lead mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
A4S	8/8/2003	4 - 5	1.98	12.7	24.6	80.3	9.7	66.2
A4W	8/8/2003	3 - 4	< .27	< .27	.281	.739	19.8	56.6
A5	4/3/2000	4 - 4.5	NA	NA	NA	NA	NA	NA
A6	4/3/2000	3 - 4.5	NA	NA	NA	NA	NA	NA
A7	4/3/2000	4 - 6	NA	NA	NA	NA	NA	NA
A8	4/3/2000	4 - 6	NA	NA	NA	NA	NA	NA
A9	4/3/2000	5 - 6	NA	NA	NA	NA	NA	NA
A10	4/3/2000	6 - 7	NA	NA	NA	NA	NA	NA
A10N	8/7/2003	5 - 7	.0095	< .0058	< .0058	< .018	9.6	19.4
A10S	8/7/2003	5 - 7	**< 13**	< 13	< 13	< 38	5.5	14.7
A11	4/3/2000	4 - 6	NA	NA	NA	NA	NA	NA
A12	4/3/2000	4 - 6	NA	NA	NA	NA	NA	NA
A13	4/3/2000	8 - 10	NA	NA	NA	NA	NA	NA
A14	8/5/2003	5 - 6	.0045	.0059	.0266	.0576	12.9	21.6
A15	8/5/2003	6 - 8	< .33	< .33	< .33	< .98	13.0	24.2
A16	8/5/2003	5 - 6	< 1.3	< 1.3	.609	1.37	10.6	13.2
B1	4/4/2000	2 - 3	NA	NA	NA	NA	NA	NA
B1E	8/7/2003	6 - 8	**< 5.8**	3.78	< 5.8	11.6	5.3	12.3
B1S	8/7/2003	5 - 6	< .0063	< .0063	< .0063	< .019	15.3	12.9
B2	4/4/2000	6 - 7	NA	NA	NA	NA	NA	NA
B3	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
B3	8/7/2003	6 - 8	< .29	< .29	.192	.632	11.5	14.3
B3S	8/7/2003	7 - 8	< .32	.14	.277	.948	11.1	21.8
B3W	8/7/2003	4 - 6	**16.7**	46	16.5	79.3	23.0	71.6
B8	4/3/2000	2 - 3	NA	NA	NA	NA	NA	NA
B9	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
B9	8/7/2003	5 - 7	< .0048	< .0048	< .0048	< .015	9.7	20.7
B9E	8/7/2003	5 - 6	< .0056	< .0056	< .0056	< .017	11.0	21.7
B9N	8/7/2003	4 - 5	< .0049	< .0049	< .0049	< .015	15.4	16.9
B9S	8/7/2003	6 - 7	< .29	< .29	< .29	< .88	4.7	14.1
B9W	8/7/2003	5 - 7	< .0057	< .0057	< .0057	< .017	3.2	13.5
B10	8/5/2003	4 - 6	< .28	< .28	< .28	< .84	13.3	19.4
B10	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
B10S	8/7/2003	3 - 5	< .0054	< .0054	< .0054	< .016	4.0	15.9
B10W	8/5/2003	3 - 4.5	< .3	< .3	< .3	< .91	4.5	13.2
B12	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
B13	4/3/2000	6 - 7	NA	NA	NA	NA	NA	NA
C1	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
C2	4/5/2000	6 - 7	NA	NA	NA	NA	NA	NA
C4	4/5/2000	4 - 5	NA	NA	NA	NA	NA	NA
C5	4/5/2000	4 - 6	NA	NA	NA	NA	NA	NA

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Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth/ Interval	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	Arsenic mg/kg	Lead mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
C6	4/5/2000	5 - 7	NA	NA	NA	NA	NA	NA
C7	4/5/2000	7 - 8	NA	NA	NA	NA	NA	NA
C8	4/5/2000	5 - 7	NA	NA	NA	NA	NA	NA
D1	4/5/2000	5 - 7	NA	NA	NA	NA	NA	NA
D2	4/5/2000	5 - 7	NA	NA	NA	NA	NA	NA
D3	4/5/2000	5 - 7	NA	NA	NA	NA	NA	NA
D4	4/5/2000	6 - 7	NA	NA	NA	NA	NA	NA
D5	4/5/2000	6 - 8	NA	NA	NA	NA	NA	NA
D6	4/5/2000	7 - 8	NA	NA	NA	NA	NA	NA
D7	4/5/2000	2 - 4	NA	NA	NA	NA	NA	NA
D8	4/5/2000	2 - 4	NA	NA	NA	NA	NA	NA
D9	8/6/2003	3.5 - 5.5	< .007	< .007	< .007	< .021	8.5	18.0
D10	8/6/2003	4 - 6	< .35	< .35	< .35	< 1	6.9	16.0
E1	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
E2	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
E2E	8/6/2003	4.5 - 5	< .0064	< .0064	< .0064	< .019	15.4	40.4
E2S	8/6/2003	4 - 4.5	< .24	< .24	.159	.286	20.7	33.9
E3	4/5/2000	2 - 3	NA	NA	NA	NA	NA	NA
E4	4/5/2000	2 - 3.5	NA	NA	NA	NA	NA	NA
E4W	8/6/2003	4 - 4	< .006	< .006	< .006	< .018	12.9	23.5
E5	4/5/2000	4 - 6	NA	NA	NA	NA	NA	NA
E6	4/5/2000	4 - 6	NA	NA	NA	NA	NA	NA
E7	4/5/2000	4 - 6	NA	NA	NA	NA	NA	NA
E8	4/5/2000	4 - 6	NA	NA	NA	NA	NA	NA
E9	8/6/2003	4 - 6	< .0057	< .0057	< .0057	< .017	10.3	16.9
F1	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
F2	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
F3	4/6/2000	5 - 7	NA	NA	NA	NA	NA	NA
F4	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
F5	4/6/2000	4.5 - 6.5	NA	NA	NA	NA	NA	NA
F6	4/6/2000	3 - 5	NA	NA	NA	NA	NA	NA
F7	4/4/2000	4 - 6	NA	NA	NA	NA	NA	NA
F8	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
G1	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
G2	4/6/2000	2 - 4	NA	NA	NA	NA	NA	NA
G3	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
G4	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
G5	4/6/2000	3.5 - 5.5	NA	NA	NA	NA	NA	NA
G6	4/4/2000	3 - 5	NA	NA	NA	NA	NA	NA
G7	4/4/2000	3 - 5	NA	NA	NA	NA	NA	NA
G7E	8/5/2003	4.5 - 4.5	< .0056	< .0056	< .0056	< .017	13.4	22.1

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Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name		Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Residential		0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential		4.77	1,000	1,000	1,000	438	1000**
Location ID	Sample Date	Depth/ Interval					
G8	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
H1	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
H2	4/6/2000	2 - 4	NA	NA	NA	NA	NA	NA
H3	4/6/2000	4 - 6	NA	NA	NA	NA	NA	NA
H4	4/6/2000	6 - 8	NA	NA	NA	NA	NA	NA
H5	4/6/2000	2 - 4	NA	NA	NA	NA	NA	NA
H6	4/11/2000	5 - 7	NA	NA	NA	NA	NA	NA
H7	4/11/2000	4 - 6	NA	NA	NA	NA	NA	NA
H8	4/6/2000	5 - 7	NA	NA	NA	NA	NA	NA
I1	4/11/2000	7.5 - 9.5	NA	NA	NA	NA	NA	NA
I2	4/11/2000	5.5 - 7.5	NA	NA	NA	NA	NA	NA
I3	4/11/2000	6.5 - 8.5	NA	NA	NA	NA	NA	NA
I4	4/11/2000	6 - 8	NA	NA	NA	NA	NA	NA
I5	4/11/2000	6 - 8	NA	NA	NA	NA	NA	NA
I6	4/11/2000	7 - 9	NA	NA	NA	NA	NA	NA
I7	4/11/2000	7 - 9	NA	NA	NA	NA	NA	NA
I8	4/11/2000	6 - 8	NA	NA	NA	NA	NA	NA
J1	8/20/2003	6 - 8	< .0055	< .0055	< .0055	.006	6.9	14.8
J2	8/20/2003	4 - 6	< .0051	< .0051	< .0051	< .015	17.1	15.5
J3	8/20/2003	4 - 6	< .005	< .005	.0269	.0417	12.3	< 11
J4	8/21/2003	3.5 - 5.5	< .0067	< .0067	.0104	.0296	13.8	14.1
J5	8/21/2003	4 - 6	< .0064	< .0064	< .0064	< .019	7.4	< 13
J6	8/21/2003	9 - 11	< .0054	< .0054	< .0054	< .016	NA	NA
J7	8/21/2003	9 - 11	< .0073	< .0073	< .0073	< .022	7.2	17.3
J8	8/21/2003	7 - 9	< .0064	< .0064	< .0064	< .019	9.1	13.5
J9	8/21/2003	4 - 6	< .0066	< .0066	< .0066	< .02	15.4	21.1
J10	8/20/2003	4 - 6	< .0051	.0023	.0717	.128	20.8	18.6
J11	8/21/2003	2 - 4	< .006	< .006	< .006	< .018	5.8	< 12
K1	8/21/2003	7 - 9	< .0061	< .0061	< .0061	< .018	4.5	< 12
K2	8/21/2003	6 - 8	< .0058	< .0058	< .0058	< .018	1.5	< 11
K3	8/21/2003	4 - 6	< .0055	< .0055	< .0055	< .017	0.84	< 11
K4	8/21/2003	8 - 10	< .0077	< .0077	< .0077	< .023	10.7	19.3
K5	8/21/2003	3 - 5	< .0057	< .0057	< .0057	< .017	14.4	16.6
K7	8/21/2003	5 - 7	< .0061	< .0061	< .0061	< .018	5.1	< 13
K8	8/21/2003	5 - 7	< .0067	< .0067	< .0067	< .02	7.5	14.1
K9	8/20/2003	4.5 - 6.5	< .0061	< .0061	< .0061	< .018	6.2	14.7
L1	8/20/2003	4 - 5	< .0059	< .0059	< .0059	< .018	5.9	13.5
L2	8/20/2003	3 - 4	< .006	< .006	< .006	< .018	3.5	12.0
L3	8/20/2003	4 - 6	< .0058	< .0058	< .0058	< .017	0.92	< 12
L4	8/20/2003	5 - 7	< .0073	< .0073	< .0073	< .022	14.5	15.5
L5	8/20/2003	4 - 6	< .0041	< .0041	< .0041	< .012	26.8	22.3

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Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
Location ID	Sample Date	Depth/ Interval						
L6	8/21/2003	6 - 8	< .0059	< .0059	< .0059	< .018	1.1	< 12
L7	8/21/2003	6 - 8	< .0064	< .0064	< .0064	< .019	1.8	< 12
L8	8/21/2003	5 - 7	< .0062	< .0062	< .0062	< .019	1.9	< 11
L9	8/21/2003	5 - 7	< .0059	< .0059	< .0059	< .018	9.2	< 11
L10	8/21/2003	5 - 7	< .007	< .007	< .007	< .021	12.2	< 12
L11	8/21/2003	5 - 7	< .0057	< .0057	< .0057	< .017	9.9	< 12
L12	8/21/2003	6 - 8	< .006	< .006	< .006	< .018	< 0.57	< 11
L13	8/21/2003	8 - 10	< .0058	< .0058	< .0058	< .017	0.72	< 12
LAGOON A1	8/8/2003	8 - 10	< .0058	< .0058	< .0058	< .017	9.9	17.3
LAGOON A2	8/8/2003	10 - 11	< .31	< .31	< .31	< .94	13.3	16.7
LAGOON A3	8/8/2003	8 - 10	< .0064	< .0064	< .0064	< .019	19.0	39.4
LAGOON B1	8/8/2003	8 - 8.5	< .005	< .005	.0044	.0056	8.1	18.6
LAGOON B2	8/8/2003	6.5 - 8.5	< .0041	< .0041	< .0041	< .012	13.0	15.0
LAGOON B3	8/8/2003	6 - 8	< .005	< .005	< .005	< .015	7.2	12.6
M1	8/20/2003	8 - 10	< .0061	< .0061	< .0061	< .018	1.2	< 11
M2	8/20/2003	6 - 8	< .0061	< .0061	< .0061	< .018	1.4	< 12
M3	8/20/2003	6 - 8	< .0062	< .0062	< .0062	< .019	1.5	< 12
M4	8/20/2003	4 - 6	< .0069	< .0069	< .0069	< .021	14.9	20.6
M5	8/20/2003	5 - 7	< .0061	< .0061	< .0061	< .018	18.1	24.9
M6	8/20/2003	6 - 8	< .0056	< .0056	< .0056	< .017	0.77	< 11
M7	8/20/2003	6 - 8	< .0053	< .0053	< .0053	< .016	0.68	< 12
M8	8/20/2003	8 - 10	< .0049	< .0049	< .0049	< .015	1.3	< 11
M9	8/21/2003	6 - 8	< .0061	< .0061	< .0061	< .018	< 0.58	< 12
MW-14D	7/30/2003	2 - 4	< .0055	< .0055	< .0055	< .017	11.7	18.3
MW-14D	7/30/2003	4 - 5	< .0058	< .0058	< .0058	< .018	NA	NA
MW-14D	7/30/2003	5 - 5.75	< 1.4	< 1.4	< 1.4	< 4.3	NA	NA
MW-14S	7/30/2003	2 - 4	< .0056	< .0056	< .0056	< .017	NA	NA
MW-14D	7/30/2003	2 - 4	< .0055	< .0055	< .0055	< .017	11.7	18.3
MW-14D	7/30/2003	4 - 5	< .0058	< .0058	< .0058	< .018	NA	NA
MW-14D	7/30/2003	5 - 5.75	< 1.4	< 1.4	< 1.4	< 4.3	NA	NA
MW-15S	7/31/2003	2 - 4	< .31	< .31	< .31	< .94	4.9	13.5
MW-15S	7/31/2003	4 - 5	< .29	< .29	< .29	< .88	NA	NA
MW-15S	7/31/2003	5 - 6	< 1.3	< 1.3	< 1.3	< 4	NA	NA
MW-15D	7/31/2003	2 - 4	< .29	< .29	< .29	< .86	5.8	14.4
MW-15D	7/31/2003	4 - 5	< .33	< .33	< .33	< .98	6.0	14.1
MW-15D	7/31/2003	5 - 6	< 1.3	< 1.3	.64	1.62	NA	NA
MW-16S	7/31/2003	2 - 4	< 2.7	< 2.7	1.89	4.45	4.8	13.1
MW-16S	7/31/2003	4 - 6	< 1.4	< 1.4	.862	2.07	5.8	13.5
MW-16D	7/31/2003	2 - 4	< .006	< .006	< .006	< .018	26.8	30.4
MW-16D	7/31/2003	4 - 6	< .0061	< .0061	< .0061	< .018	9.8	24.6
MW-17S	7/31/2003	2 - 4	<.0066	<.0066	<.0066	<.02	5.6	14.2

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Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth/ Interval	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	Arsenic mg/kg	Lead mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
MW-17S	7/31/2003	4 - 6	<.0051	<.0051	<.0051	<.015	11.5	17.9
MW-17D	7/31/2003	4 - 8	<.0068	<.0068	<.0068	<.02	6.7	< 14
MW-18S	8/1/2003	4 - 6	< .0056	< .0056	< .0056	< .017	5.9	13.5
MW-18D	8/1/2003	2 - 4	< .0059	< .0059	< .0059	< .018	3.8	24.5
MW-19S	8/1/2003	2 - 4	< .0051	< .0051	< .0051	< .015	19.8	20.3
MW-19D	8/1/2003	2 - 4	< .0054	< .0054	< .0054	< .016	5.0	< 13
MW-20S	10/24/2003	2 - 4	< .0062	< .0062	< .0062	< .019	6.0	18.8
MW-20D	10/27/2003	3 - 5	<.0063	<.0063	<.0063	<.019	4.8	88.8
MW-21S	10/24/2003	2 - 4	< .0065	< .0065	< .0065	< .019	4.7	66.5
MW-21D	10/27/2003	2 - 4	<.006	<.006	<.006	<.018	6.2	103
MW-23D	10/23/2003	2 - 4	< .0067	< .0067	< .0067	< .02	8.3	29.9
MW-27A	8/5/2008	4 - 6	< .0063	< .0063	< .0063	< .019	6.2	62
MW-27B	8/8/2008	2 - 4	< .0056	< .0056	< .0056	< .017	4.1	17.8
MW-28A	1/5/2009	4 - 6	< 0.0057	0.0038	< 0.0057	< 0.017	7.4	25.6
MW-28B	1/12/2009	2 - 6	< 0.0052	< 0.0052	< 0.0052	< 0.016	5.6	< 25
MW-28C	1/14/2009	9 - 10	< 0.0047	< 0.0047	< 0.0047	< 0.014	5.8	< 54
MW-29A	1/22/2009	6 - 8	< 3.3	< 3.3	0.892 J	2.8 J	5.5	11.7
MW-29B	2/3/2009	2 - 4	0.549	0.110 J	0.558	3.64	6.7	16.9
MW-30A	10/12/2009	4 - 6	< 0.0048	< 0.0048	< 0.0048	< 0.014	< 3.9	< 48
MW-30B	10/14/2009	4 - 6	< 0.0043	< 0.0043	< 0.0043	< 0.013	5	15
MW-30C	10/15/2009	4 - 6	< 0.0052	< 0.0052	< 0.0052	< 0.016	9.3	15.2
MW-31A	10/19/2009	4 - 6	< 0.0058	< 0.0058	< 0.0058	< 0.017	4.9	14.5
MW-31B	10/20/2009	2 - 4	< 0.0042	< 0.0042	< 0.0042	< 0.013	5.4	15.9
MW-31C	10/26/2009	2 - 4	< 0.0057	< 0.0057	< 0.0057	< 0.017	3.6	28
MW-32A	10/27/2009	2 - 4	< 0.0051	< 0.0051	< 0.0051	< 0.015	11.4	18
MW-32B	4/9/2012	8-Jun	< 0.0050	< 0.0050	< 0.0050	< 0.015	10.5	22.6
MW-33A	11/2/2009	4 - 5	< 0.0059	< 0.0059	< 0.0059	< 0.018	10.9	22
MW-33B	11/5/2009	2 - 4	< 0.0050	< 0.0050	< 0.0050	< 0.015	8.1	12.4
MW-33C	11/9/2009	8 - 10	< 0.0052	< 0.0052	< 0.0052	< 0.016	11	< 22
MW-34A	11/18/2009	2 - 4	< 0.0046	< 0.0046	< 0.0046	< 0.014	5.8	14.2
MW-35A	2/8/2010	3 - 5	<0.0055	<0.0055	<0.0055	<0.017	8.5	27.3
MW-35B/C	2/8/2010	2 - 4	<0.0070	<0.0070	<0.0070	<0.021	9.3	31.2
MW-36A/B	2/11/2010	8 - 10	<0.0091	<0.0091	<0.0091	<0.027	9.4	17.6
MW-36C	2/15/2010	7 - 9	<0.0055	<0.0055	<0.0055	0.016	16.9	21.3
MW-37A/B	2/17/2010	5 - 7	<0.0056	<0.0056	<0.0056	<0.017	9.4	13
MW-38A	3/22/2010	8 - 10	<0.0048	<0.0048	<0.0048	<0.014	8.8	20.4
MW-38B	3/23/2010	8 - 10	<0.0052	<0.0052	<0.0052	<0.016	5.4	34.1
MW-39A	3/30/2010	8 - 10	<0.0035	<0.0035	<0.0035	<0.010	5.9	14
MW-39B	3/30/2010	8 - 10	<0.0046	<0.0046	<0.0046	<0.014	4.9	10.9
MW-40A	4/2/2010	2 - 4	<0.0048	<0.0048	<0.0048	<0.014	4.1	11.8
MW-40B/C	4/6/2010	2 - 4	<0.0052	<0.0052	<0.0052	<0.015	3.8	14.4

ARCADIS Design & Consultancy for natural and built assets

Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
Location ID	Sample Date	Depth/ Interval						
MW-41A	11/2/2010	12 - 14	< 0.0042	< 0.0042	< 0.0042	< 0.013	10.6	20.2
MW-42A	11/3/2010	8 - 10	< 0.0050	< 0.0050	< 0.0050	< 0.015	9.2	16.3
MW-42B	11/5/2010	8 - 10	<0.0037	<0.0037	<0.0037	<0.011	9.3	15.2
MW-43A	11/9/2010	2 - 4	< 0.0042	< 0.0042	< 0.0042	< 0.013	9.7	26.2
MW-44A	11/11/2010	7 - 9	<0.0070	<0.0070	<0.0070	<0.021	13.1	17.6
MW-45A/B	11/12/2010	6 - 8	<0.0021	<0.0021	<0.0021	<0.062	6.1	16.7
MW-45C	11/17/2010	6 - 8	< 0.0057	< 0.0057	< 0.0057	< 0.017	6.9	15.1
MW-46A	11/18/2010	6 - 8	<0.0053	<0.0053	<0.0053	<0.016	5	17.1
MW-47A	11/19/2010	4 - 5	<0.0047	<0.0047	<0.0047	<0.014	8.9	15.4
MW-48	1/4/2011	18 - 20	<0.0044	<0.0044	<0.0044	<0.013	16.5	35.5
MW-49A	7/26/2011	8 - 10	<0.0043	<0.0043	<0.0043	<0.013	4.7	11
MW-49C	7/28/2011	8 - 10	<0.0041	<0.0041	<0.0041	<0.012	5.1	12.2
MW-50A	8/1/2011	8 - 9	<0.0050	<0.0050	<0.0050	<0.015	17.5	24.2
MW-51A	8/4/2011	8 - 10	<0.0045	<0.0045	<0.0045	<0.014	21.4	50.6
MW-53A	8/29/2011	10 - 12	--	--	--	--	14.8	32.1
MW-54A	4/11/2012	5 - 6.5	<0.0046	<0.0046	<0.0046	<0.014	2.8	3.2
MW-55A	4/12/2012	4 - 5	<0.0056	<0.0056	<0.0056	<0.017	7.2	38.3
MW-56A	4/16/2012	5 - 6.5	<0.0048	<0.0048	<0.0048	<0.014	5.5	17.2
RW-1	10/29/2009	2 - 4	< 0.67	0.208 J	0.467 J	1.48 J	13.6	72.9
RW-4	11/13/2009	2 - 4	< 0.0049	< 0.0049	< 0.0049	< 0.015	2.9	17.1
RW-5	11/16/2009	2 - 4	< 0.0050	< 0.0050	< 0.0050	< 0.015	2.3	12.9
RW-6	3/31/2010	2 - 4	<0.0047	<0.0047	<0.0047	<0.014	4.5	24
RW-7	11/1/2010	6 - 8	<0.0044	<0.0044	<0.0044	<0.013	6.9	8.9
RW-8	4/18/2012	4.5 - 5.5	<0.0051	<0.0051	<0.0051	<0.015	14.3	29.5
N1	8/19/2003	4 - 6	< .006	< .006	< .006	< .018	3.1	15.3
N2	8/19/2003	6 - 8	< .0061	< .0061	< .0061	< .018	1.1	< 11
N3	8/19/2003	5 - 7	< .0057	< .0057	< .0057	< .017	6.0	< 12
N4	8/19/2003	6 - 8	< .0071	< .0071	< .0071	< .021	3.1	< 13
N5	8/19/2003	5 - 7	< .0066	< .0066	< .0066	< .02	8.0	< 11
N6	8/19/2003	5 - 7	< .0055	< .0055	< .0055	< .017	13.1	18.1
N7	8/19/2003	6 - 8	< .0062	< .0062	< .0062	< .018	5.1	< 13
N8	8/19/2003	5 - 7	< .0064	< .0064	< .0064	< .019	4.7	< 13
P1	8/19/2003	4 - 6	< .005	< .005	< .005	< .015	6.9	17.6
P2	8/19/2003	5 - 7	< .0059	< .0059	.0089	.0658	6.9	15.7
P3	8/19/2003	5 - 7	< .0064	< .0064	< .0064	< .019	6.6	20.2
P4	8/19/2003	4 - 6	< .006	< .006	< .006	< .018	6.5	13.7
P5	8/19/2003	5 - 7	< .006	< .006	< .006	< .018	5.5	< 13
P6	8/19/2003	4 - 6	< .0067	< .0067	< .0067	< .02	7.7	15.4
P7	8/19/2003	4 - 6	< .0066	< .0066	< .0066	< .02	9.2	17.3
P8	8/19/2003	4 - 6	< .0058	< .0058	< .0058	< .017	7.8	25.2
Q1	8/19/2003	3 - 5	< .0063	< .0063	< .0063	< .019	6.4	14.6

ARCADIS Design & Consultancy for natural and built assets

Table 6.
SubSurface Soil BTEX & Metals Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			Benzene	Toluene	Ethylbenzene	Total Xylenes	Arsenic	Lead
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Residential			0.059	278.93	834.37	1,000	438	400**
Tier II Non-Residential			4.77	1,000	1,000	1,000	438	1000**
Location ID	Sample Date	Depth/ Interval						
Q2	8/19/2003	5 - 7	< .0063	< .0063	< .0063	< .019	5.5	15.6
Q3	8/19/2003	5 - 7	< .0068	< .0068	< .0068	< .02	12.2	16.2
Q4	8/19/2003	4 - 6	< .0053	< .0053	< .0053	< .016	22.0	86.6
Q5	8/19/2003	5 - 7	< .0058	< .0058	< .0058	< .018	1.5	< 12
Q6	8/19/2003	5 - 7	< .0059	< .0059	< .0059	< .018	0.99	< 11
Q7	8/19/2003	5 - 7	< .006	< .006	< .006	< .018	4.1	16.0
Q8	8/19/2003	5 - 7	< .0055	< .0055	< .0055	< .016	1.4	< 12
VAT1	8/8/2003	4 - 6	< .0052	< .0052	< .0052	< .016	7.9	81.1
VAT2	8/8/2003	2 - 4	< .0056	< .0056	< .0056	< .017	14.3	104
VAT3	8/8/2003	4 - 5	< .0055	< .0055	< .0055	< .017	7.8	43.5
WALL1	8/5/2003	2.5 - 4.5	< .0055	< .0055	< .0055	< .017	12.9	16.6
WALL2	8/5/2003	3 - 5	< .0068	< .0068	< .0068	< .02	8.3	16.0
WALL3	8/5/2003	3 - 5	< .0056	< .0056	< .0056	< .017	22.9	17.3

Bold Exceeds Tier II Non-residential (Industrial) Clean-up Goal

** Lead cleanup goals are from the January 26, 1996 IDEM Non-rule Policy (ID# W-0048), *Guidance for Lead cleanup levels for Voluntary Remediation Program* Tier II sites.

Soil boring location has been excavated

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
Area-J-CS-1A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-2A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-3A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-4A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-5A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-6A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-7A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-8A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-9A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-J-CS-10A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-1A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-2A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-3A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-4A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-5A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-K-CS-6A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-L-CS-1A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-L-CS-2A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-L-CS-3A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-L-CS-4A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.22	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-L-CS-5A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-M-CS-1A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-M-CS-2A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-M-CS-3A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.34	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-M-CS-4A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-M-CS-5A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-N-CS-1A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-N-CS-2A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-N-CS-3A	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-O-CS-1A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-O-CS-2A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-O-CS-3A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-1A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-2A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-3A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-4A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-5A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.55	--	--	--	--	--	--	--	--	--	--	--	--	--
Area-P-CS-6A	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.27	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-1	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.78	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-2	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.8	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-3	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-4	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-5	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.81	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-6	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-6	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.23	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-8	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-9	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-10	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-Area U-11	10/28/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--
A1	4/3/2000	0 - 2	NA	NA	< .46	< .46	< .46	< .46	< .46	.13	.12	.068	< 2.4	.094	.082	.46	.8	1	0.97	1.2	.94	1	.4	1.6	.11	1.4	.051	.15	1.1	1.3
A2	4/3/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	.5	.13	< .4	.44	< 2.1	< .4	.13	.22	.05	.54	.27	.71	.28	.089	.34	.067	.046	.8	< .4	< .4	.074	< .4
A3	4/3/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	.29	.18	.1	.075	< 2.2	.16	.6	.89	1.9	2.8	2.6	2.2	2.8	2.6	0.89	2.6	.16	2.3	.05	.12	.88	2.8
A4	4/3/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< 1.9	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36
A5	4/3/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	.13	.15	.081	< 2.1	.23	.76	.75	2.1	3	3.9	2.3	2.2	2.7	1	2.9	.25	2.7	.088	.16	1.4	2.8
A6	4/3/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	.069	< .37	.059	< 1.9	< .37	.043	.21	.14	.17	.35	.13	.31	.19	.063	.16	< .37	.11	< .37	< .37	.074	.18
A7	4/3/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	.067	< 2.2	< .43	.033	.057	.038	.098	.063	.21	.074	.05	.091	.047	< .43	.19	< .43	< .43	.033	< .43
A8	4/3/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.042	.039	.054	< 2	.064	.33	.17	1.1	3	2.3	1.3	2.5	1.4	.66	1.3	.044	1.6	< .39	< .39	.12	2.1
A9	4/3/2000	0 - 2	NA	NA	< 8.1	< 8.1	< 8.1	< 8.1	< 8.1	270	59	< 8.1	< 42	2.5	1.2	660	7.7	7.8	7.7	4.2	7.8	22	1.9	18	140	4.4	50	29	160	15
A10	8/7/2003	0 - 2	< 20	< 20	< 20	< 20	< 20	< 20	< 41	**2120**	608	< 41	< 100	506	163	6090	**456**	**342**	**387**	159	229	1070	**69.1**	1890	1440	**203**	317	249	2390	1120
A10	4/3/2000	0 - 2	NA	NA	< 72	< 72	< 72	< 72	< 72	660	91	< 72	< 370	21	< 72	2000	43	**32**	37	19	28	130	**8.1**	110	230	24	54	56	300	100

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
A10E	8/7/2003	0 - 2	< 20	< 20	< 20	< 20	< 20	< 20	< 39	543	**1740**	< 39	< 99	1960	201	1470	**863**	**468**	**538**	234	424	840	**57**	4390	2360	**285**	1510	3850	6870	2640
A10N	8/7/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	1.19	.159	< .42	< 1.1	.0985	.781	4.14	1.22	2.35	2.88	1.24	1.46	1.88	.532	1.79	.343	1.47	.135	.186	.557	1.25
A10S	8/7/2003	0 - 2	< 18	< 18	< 18	< 18	< 18	< 18	< 37	629	**2210**	< 37	< 91	2260	431	1480	**930**	**487**	**509**	176	396	793	**20.8**	4690	2680	**241**	2760	3280	7330	2770
A10W	8/7/2003	0 - 2	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 8.5	7.88	1.68	< 8.5	< 21	1.22	9.19	32	21.7	**23.6**	26.8	14.2	21.7	26.3	3.96	47.8	2.98	16.4	< 4.3	1.26	18.2	32.1
A11	4/3/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38
A12	4/3/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	.46	.59	.074	1.2	.2	2.4	1.8	6.5	7.8	12	6.7	9.6	8	2.5	12	.22	8.3	.24	.43	3.5	11
A13	4/3/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	.044	< .38	.084	< 2	< .38	.23	.14	.64	0.72	.8	.66	.91	.83	.23	.98	< .38	.56	< .38	< .38	.26	1
A14	8/5/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .43	.34	.128	< .43	< 1.1	.0934	.0849	1.36	.263	.279	.328	.175	.3	.431	< .22	.498	.193	.216	.0906	.149	.52	.383
A15	8/5/2003	0 - 2	< .8	< .8	< .8	< .8	< .8	< .8	< 1.6	1.58	.48	< 1.6	2.45	.302	3.18	4.7	2.08	4.57	6.75	5.98	4.01	3.45	1.71	4.58	.396	6.3	.243	.691	1.86	3.38
A16	8/5/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	3.68	.388	< .41	< 1	.0689	.133	12.3	1.01	1.13	1.88	.617	.626	1.51	.168	1.51	.944	.767	.258	.281	1.62	1.4
B1	8/7/2003	0 - 2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 8.4	4.3	6.49	< 8.4	< 21	1.54	9.75	17	60.3	**54.1**	**80.8**	31.8	48.5	56.7	**8.39**	125	3.81	38.8	3	6.33	58.2	102
B1	4/4/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	2.3	1.8	< .43	< 2.2	.49	4.1	4.4	16	**13**	23	10	12	19	1.2	33	.74	11	.92	1.5	11	28
B1E	8/7/2003	0 - 2	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 3.5	1.34	1.51	< 3.5	< 8.7	< 1.7	3.07	3.2	8.78	**11.6**	15.2	7.97	10.5	10.9	2.44	17.8	< 1.7	9.98	.811	1.74	10	12.8
B1N	8/7/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	1.12	.781	< 4	< 10	< 2	6.07	3.93	14.1	**15.6**	20.5	9.3	14	15.4	3.29	29.7	.459	11.8	.466	.8	8.21	21.1
B1S	8/7/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.516	.18	< .41	< 1	.0843	1.15	1.45	2.67	2.79	4.18	1.84	2.15	3.13	.524	6.91	.104	2.23	.0993	.189	2.31	4.55
B1W	8/7/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .41	< .2	.0672	< .41	< 1	< .2	< .2	.0582	.0987	.0814	.0875	< .2	.0741	.0891	< .2	.31	< .2	< .2	< .2	.0883	.248	.185
B2	4/4/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	< .38	< .38	1.2	**1.2**	1.7	.84	.98	1.6	.41	2.4	< .38	.87	< .38	.19	1.2	2.1
B3	8/7/2003	0 - 2	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 8.7	3.23	24.9	< 8.7	< 22	18.2	33.7	23	36.7	**66.2**	87	40.4	39	60.6	**16.6**	92.2	13.7	52.7	13.8	24.3	65.7	55.6
B3	4/4/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	2.4	5.1	.064	.52	5.4	2.8	11	11	**14**	*19*	6.4	9.9	20	3	29	5.9	7.8	2	4.2	19	23
B3E	8/7/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.431	.148	< .41	.71	.111	.732	1.48	1.17	1.71	2.46	1.32	1.48	1.56	.45	2.1	.16	1.59	.0725	.133	.676	1.66
B3N	8/7/2003	0 - 2	< 20	< 20	< 20	< 20	< 20	< 20	< 40	11.5	36.5	< 40	< 100	123	63.1	51.8	**173**	**157**	**179**	72.3	121	196	**26.3**	657	40.2	**90.7**	23.6	67	89.7	358
B3S	8/8/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	< .22	< .44	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
B3W	8/8/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .41	.142	.202	< .41	< 1	.201	.177	.166	.295	0.832	1.19	.58	.353	.629	.153	.316	.209	.74	< .2	.122	.361	.437
B4	4/4/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	15	43	< .43	< 2.2	45	5.3	34	15	7.4	8	3.2	8.2	20	1.2	62	49	3.8	36	95	120	46
B5	4/4/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
B6	4/4/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 1.9	< .38	< .38	.23	.46	.63	.66	.53	.35	.62	< .38	.82	< .38	.49	< .38	< .38	.53	.71
B7	4/4/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.29	< .39	< .39	< 2	< .39	1	1.3	5.3	5	5.6	3	4.9	6.1	1.1	9.2	.26	3.2	< .39	< .39	2	7.7
B8	4/3/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	.1	.064	< .4	2.3	.037	.6	.36	1.7	2.2	2.2	1.7	2	2.2	.61	2.5	.07	1.6	.052	.066	.59	3
B9	4/11/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	.2	.66	1	1.2	1.2	.9	.96	1.3	.32	1.8	< .42	.87	< .42	< .42	.57	1.7
B10	4/4/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	.68	.21	.057	< 1.9	.076	4.8	2.5	9	**12**	22	11	12	12	3.9	10	.077	12	.15	.24	1.8	11
B10	8/7/2003	0 - 2	< 20	< 20	< 20	< 20	< 20	< 20	< 39	14.6	10.7	< 39	< 98	10.8	18.2	38.5	**124**	**129**	**197**	73.8	67	140	**21.5**	280	22.5	**88.9**	< 20	< 20	154	192
B10E	8/7/2003	0 - 2	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 8.2	18.4	2.04	< 8.2	< 20	< 4.1	< 4.1	52.5	3.39	3.14	5.51	3.23	1.99	5.2	< 4.1	12	5.06	3.53	.991	1.73	13.2	8.9
B10N	8/7/2003	0 - 2	< 15	< 15	< 15	< 15	< 15	< 15	< 30	25.9	12.6	< 30	42.5	18.8	44.9	148	**218**	**212**	**306**	140	102	237	**45.8**	557	33	**187**	3.46	4.37	170	365
B10S	8/7/2003	0 - 2	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 8.2	2.82	< 4.1	< 8.2	< 20	< 4.1	6.51	8.94	24.7	**38.7**	68.9	35.8	21.4	32.8	**8.33**	29.2	< 4.1	40.4	< 4.1	< 4.1	5.37	31.2
B10W	8/7/2003	0 - 2	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 9.6	3.24	1.76	< 9.6	< 24	1.21	10.9	14.1	52.1	**62.2**	**104**	48.7	29.7	66.4	**13.1**	84.1	1.88	57.1	< 4.8	1.64	11.6	73.6
B11	4/4/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	.057	.95	< .39	.2	.28	.48	.67	.81	.53	.51	.75	< .39	.71	< .39	.5	< .39	< .39	.22	.66
B12	4/4/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	.59	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
B13	4/3/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	.19	.12	.059	< 1.9	< .38	.7	.42	2.7	2.5	4.5	2.2	3.6	3.9	0.85	3.6	.047	2.5	.066	.08	.89	3.6
C1	4/4/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	.94	.81	5.5	4.7	5.9	2.6	3.6	6.2	1.2	9.5	< .38	2.9	< .38	< .38	.48	8.6
C2	4/5/2000	0 - 2	NA	NA	< 120	< 120	< 120	< 120	< 120	**1400**	**2500**	< 120	< 600	2400	600	2700	**1400**	**850**	**720**	380	**870**	1400	**190**	6300	3300	**390**	**2400**	3800	**11,000**	3600
C3	4/4/2000	0 - 2	NA	NA	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	.67	.28	< 4.1	1.7	< 4.1	1.7	2	5.5	5.7	8.8	4.4	4.2	6.5	1.5	8.2	.28	4.7	.22	.24	2	7.3
C4	4/5/2000	0 - 2	NA	NA	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< 2.3	< .44	.92	.53	3.3	4.2	3	2.8	2.6	3.7	1.2	3.3	< .44	2.2	< .44	< .44	.77	5.3
C5	4/5/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	.039	< .36	.16	< 1.9	< .36	< .36	.12	.21	.31	.33	.31	.28	.26	.14	.27	< .36	.34	< .36	< .36	.095	.25
C6	4/5/2000	0 - 2	NA	NA	< .35	< .35	< .35	< .35	< .35	< .35	< .35	< .35	< 1.8	< .35	< .35	< .35	.64	0.78	.78	.72	.72	.88	.26	1.2	< .35	.64	< .35	< .35	.27	1.1
C7	4/5/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	.1	.16	.094	< 2.2	.11	.26	.19	2.9	2.6	6	2.3	3.5	4.5	0.92	5.4	.05	3.1	< .43	.15	1	4.9
C8	4/5/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	.18	< .41	< 2.1	.089	.064	.074	0.92	1.6	2.6	1.1	2	1.7	.42	1.6	< .41	1.6	.051	.23	.49	1.2
D1	4/5/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< 1.9	< .37	< .37	< .37	.23	.28	.32	.21	.22	.3	< .37	.42	< .37	.21	< .37	< .37	.26	.37
D2	4/5/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	.32	.22	< .36	.21	< .36	2	.87	5.5	5.6	9.5	3.9	3.5	7	1.9	8.8	< .36	4.6	< .36	.19	1.7	7.2
D3	4/5/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< 1.9	< .37	.26	< .37	1.2	1.1	1.3	.65	1.1	1.5	.26	2.2	< .37	.69	< .37	< .37	.48	2
D4	4/5/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	.63	.32	< .43	< 2.2	< .43	4.1	1.5	11	**8.9**	15	6.1	9	13	3.1	14	.26	7.1	< .43	.29	2.3	14
D4	8/6/2003	0 - 2	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.2	< 1.6	< 1.6	< 3.2	< 8	< 1.6	.948	.966	5.47	5.53	9.26	3.48	2.93	6.67	0.896	8.71	< 1.6	4.08	< 1.6	< 1.6	1.26	6.74
D4E	8/6/2003	0 - 2	< .87	< .87	< .87	< .87	< .87	< .87	< 1.7	.611	.35	< 1.7	< 4.4	< .87	1.58	1.24	7.56	**8.97**	17	7.2	5.1	9.32	1.83	11.7	< .87	8.78	.261	.429	2.27	10.6
D4N	8/6/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	.0946	.0486	< .37	< .91	< .18	.324	.227	1.61	1.74	3.06	1.22	1.06	1.82	.308	2.29	< .18	1.49	< .18	.0441	.441	2.17
D4S	8/6/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	< .21	< .21	.0555	.0574	.0646	< .21	< .21	.0455	< .21	.112	< .21	< .21	< .21	< .21	< .21	.0901
D4W	8/6/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .37	.0828	.0598	< .37	< .93	< .19	.283	.219	1.28	1.38	2.49	1.05	.818	1.64	.283	2.33	< .19	1.28	.0393	.0568	.401	1.96
D5	4/5/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	.045	< .41	.17	< 2.1	< .41	.066	.078	.64	0.82	0.95	.65	1.2	.98	.24	1	< .41	.86	< .41	< .41	.26	1
D6	4/5/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	.52	< 2	< .4	< .4	< .4	.81	0.91	1.4	.68	.79	1.2	.25	1.6	< .4	.72	< .4	< .4	.71	1.7
D6	8/6/2003	0 - 2	< .25	< .25	< .25	< .25	< .25	< .25	< .5	< .25	< .25	< .5	< 1.3	< .25	.497	.412	2.3	2.78	2.77	2	.983	2.52	.476	2.7	.0503	1.94	< .25	< .25	.472	3.53
D6N	8/6/2003	0 - 2	<.86	<.86	<.86	<.86	<.86	<.86	<1.7	<.86	<.86	<1.7	<4.3	<.86	3.25	2.28	9.24	**12.4**	8.5	7.34	6.53	10.1	**2**	1.12	<.86	6.83	<.86	0.2	1.84	1.51

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
D6S	8/6/2003	0 - 2	<.22	<.22	<.22	<.22	<.22	<.22	<.44	<.22	<.22	<.44	<1.1	<.22	1.03	0.335	1.25	2.36	1.54	1.54	1.16	1.57	0.451	0.963	<.22	1.44	<.22	<.22	0.179 J	1.37
D6E	8/6/2003	0 - 2	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<4.7	<2.4	<2.4	<4.7	<12	<2.4	5.43	4.21	16.2	**21.1**	11.3	11.5	13.7	17.4	3.67	20.6	<2.4	11.1	<2.4	<2.4	<4.9	27.9
D6W	8/6/2003	0 - 2	<.9	<.9	<.9	<.9	<.9	<.9	<1.8	.782 J	<.9	<1.8	<4.5	<.9	3.46	2.33	9.98	**11.8**	13.9	6.85	9.07	11.9	2.56	16.6	<.9	7.84	<.9	.237 J	2.59	13.8
D7	4/5/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.3	.22	< .39	< 2	.2	.2	.57	1.4	1.4	1.2	.83	.98	1.6	.34	3.2	.24	.8	< .39	< .39	2.4	2.6
D8	8/6/2003	0 - 2	< .25	< .25	< .25	< .25	< .25	< .25	< .5	< .25	< .25	< .5	< 1.3	< .25	.497	.412	2.3	2.78	2.77	2	.983	2.52	.476	2.7	.0503	1.94	< .25	< .25	.472	3.53
D8	4/5/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	2.2	1.8	8.1	6.3	9.8	4.9	< .39	9	1.8	7.9	.44	4.4	.61	< .39	2.2	12
D8E	8/6/2003	0 - 2	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 4.7	< 2.4	< 2.4	< 4.7	< 12	< 2.4	5.43	4.21	16.2	**21.1**	11.3	11.5	13.7	17.4	3.67	20.6	< 2.4	11.1	< 2.4	< 2.4	4.9	27.9
D8N	8/6/2003	0 - 2	< .86	< .86	< .86	< .86	< .86	< .86	< 1.7	< .86	< .86	< 1.7	< 4.3	< .86	3.25	2.28	9.24	**12.4**	8.5	7.34	6.53	10.1	2	11.2	< .86	6.83	< .86	.2	1.84	15.1
D8S	8/6/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	< .22	< .44	< 1.1	< .22	1.03	.335	1.25	2.36	1.54	1.54	1.16	1.57	.451	.963	< .22	1.44	< .22	< .22	.179	1.37
D8W	8/6/2003	0 - 2	< .9	< .9	< .9	< .9	< .9	< .9	< 1.8	.782	< .9	< 1.8	< 4.5	< .9	3.46	2.33	9.98	**11.8**	13.9	6.85	9.07	11.9	2.56	16.6	< .9	7.84	< .9	.237	2.59	13.8
D9	8/6/2003	0 - 2	< 3.9	< 3.9	< 3.9	< 3.9	< 3.9	< 3.9	< 7.8	1.67	< 3.9	< 7.8	< 20	3.35	11.4	14.9	52.7	**59.4**	**87**	25.2	35	71.1	**13.1**	107	2.01	33.1	< 3.9	< 3.9	5.89	83.3
D10	8/6/2003	0 - 2	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 15	10.2	17.5	< 15	< 38	56.6	33.9	74.6	**141**	**107**	**128**	42.7	96.2	135	**20.6**	402	46.6	58.8	6.39	5.01	116	290
E1	4/6/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	1.3	.75	< .37	< 1.9	.33	2.5	8	19	**21**	25	12	21	24	5.7	36	.56	16	.21	.48	6.4	30
E1	8/6/2003	0 - 2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.7	2.51	1.78	< 3.7	< 9.1	1.42	16.9	12.7	34.8	**40.2**	51.1	27.7	34.8	37.6	**9.07**	57.8	1.89	32.7	.656	1.01	13.5	45.5
E1-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.1	--	--	--	--	--	--	--	--	--	--	--	--
E1-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.36	--	--	--	--	--	--	--	--	--	--	--	--
E1E	8/6/2003	0 - 2	< .86	< .86	< .86	< .86	< .86	< .86	< 1.7	.303	.503	< 1.7	< 4.3	< .86	1.08	.931	3.12	3.86	5.87	3.9	3.1	3.96	1.19	6.06	< .86	3.21	.384	.633	2.88	4.47
E1N	8/6/2003	0 - 2	< .79	< .79	< .79	< .79	< .79	< .79	< 1.6	3.23	1.45	< 1.6	< 4	.748	11.6	13.5	44.1	**40.9**	51.1	25.8	38.8	47.1	6.96	111	.905	30.3	.506	.894	16.5	84.9
E1N-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--	--	--	--	--	--	--	--	--	--
E1N-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.78	--	--	--	--	--	--	--	--	--	--	--	--
E1N-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1	--	--	--	--	--	--	--	--	--	--	--	--
E1S	8/6/2003	0 - 2	< .87	< .87	< .87	< .87	< .87	< .87	< 1.7	.455	.252	< 1.7	< 4.4	< .87	1.25	1.13	4.3	4.15	7.16	2.68	4.4	5.41	0.956	7.52	< .87	3.44	.22	.207	1.66	5.78
E1W	8/6/2003	0 - 2	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 7	2.39	1	< 7	< 17	2.99	41.9	32.5	**152**	**150**	**170**	60.9	108	180	**22.4**	327	7.93	79.5	< 3.5	< 3.5	20.9	328
E1W-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**33**	--	--	--	--	--	--	--	--	--	--	--	--
E1W-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**52**	--	--	--	--	--	--	--	--	--	--	--	--
E1W-SS	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**22**	--	--	--	--	--	--	--	--	--	--	--	--
E1W-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**29**	--	--	--	--	--	--	--	--	--	--	--	--
E2	8/6/2003	0 - 2	< .8	< .8	< .8	< .8	< .8	< .8	< 1.6	< .8	< .8	< 1.6	< 4	< .8	.965	.727	7.16	6.91	10	4.04	3.23	7.22	1.3	9.21	< .8	4.77	< .8	< .8	.381	9.01
E2	4/4/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	2.2	.4	< .37	< 1.9	.19	6.1	5.6	30	**31**	40	12	4.6	37	3	43	.56	20	.24	.45	5.3	45
E2-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**16**	--	--	--	--	--	--	--	--	--	--	--	--
E2-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**86**	--	--	--	--	--	--	--	--	--	--	--	--
E2-EE	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.21	--	--	--	--	--	--	--	--	--	--	--	--
E2-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**38**	--	--	--	--	--	--	--	--	--	--	--	--
E2E	8/6/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	.815	< 2.1	< 4.2	< 10	< 2.1	3.69	3.37	24.4	**24.2**	37.6	15.5	11.3	25.8	4.78	35.9	< 2.1	18.9	< 2.1	.589	4.13	36.6
E2N	8/6/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	.136	< .18	< .36	< .9	.0422	.719	.452	2.69	3.45	5.78	3.02	1.79	3.17	0.766	3.72	.0505	3.3	< .18	< .18	.372	4.11
E2S	8/6/2003	0 - 2	< 11	< 11	< 11	< 11	< 11	< 11	< 21	3.16	< 11	< 21	< 53	< 11	25.7	15.8	**146**	**154**	**253**	108	87.7	163	**27.9**	222	< 11	132	< 11	< 11	20	213
E2S-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**75**	--	--	--	--	--	--	--	--	--	--	--	--
E2S-EE	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.5**	--	--	--	--	--	--	--	--	--	--	--	--
E2S-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**	--	--	--	--	--	--	--	--	--	--	--	--
E2S-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.7	--	--	--	--	--	--	--	--	--	--	--	--
E2W	8/6/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	.0912	.0406	< .36	< .89	< .18	.31	.218	1.34	1.54	2.55	1.25	.812	1.49	.354	1.65	< .18	1.45	.0805	.0974	.257	1.62
E3	4/5/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	.47	< .43	< .43	< 2.2	< .43	1.9	2.5	14	**11**	14	5.6	12	15	2.7	18	.27	6.4	< .43	< .43	3.2	22
E3	8/6/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	1.23	.547	< 4.2	< 10	.654	3.51	4.91	24.4	**21.9**	30.6	15.7	9.35	23.9	4.43	37	.764	19.2	< 2.1	.549	7.15	35.3
E3E	8/6/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.125	.049	< .4	< 1	.0621	.496	.411	2.04	2.38	2.31	1.47	.718	2.18	.39	2.69	.107	1.62	.0563	.0891	1.15	3.22
E3N	8/6/2003	0 - 2	< 18	< 18	< 18	< 18	< 18	< 18	< 36	12.2	3.92	< 36	< 89	4.21	16.6	45.1	**126**	**100**	**135**	61.2	47	119	**18.3**	224	5.23	76.4	< 18	6.35	45	183
E3S	8/6/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4.1	< 2	< 2	< 4.1	< 10	< 2	2.49	2.38	13.1	**16.3**	14.9	11.8	5.19	13.9	2.74	14.8	< 2	11.9	< 2	< 2	2.46	22.9
E3W	8/6/2003	0 - 2	< .92	< .92	< .92	< .92	< .92	< .92	< 1.8	< .92	< .92	< 1.8	< 4.6	< .92	3.07	.878	3.18	**12.8**	9.48	15.1	2.81	2.69	2.55	1.69	< .92	11.5	< .92	< .92	.402	3.18
E4	4/5/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2	< .4	3.7	2	9.4	**8.8**	6.6	4.6	6.6	9.8	2.3	12	.62	4.7	.86	.29	3.3	12
E4	8/6/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	< 2.1	< 2.1	< 4.2	< 10	< 2.1	4.92	1.93	8.19	**12.1**	6.77	6.51	7.66	9.26	1.55	9.45	< 2.1	6.69	< 2.1	< 2.1	2.09	11.8
E4E	8/6/2003	0 - 2	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	< 1	< 1	< 2.1	< 5.2	< 1	5.53	2.01	8.83	**13.1**	8.45	7.44	7.04	9.93	2.47	10.1	< 1	7.18	.256	.357	1.86	12.7
E4N	8/6/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	< 2.1	< 2.1	< 4.2	< 11	< 2.1	8.45	6.17	20.5	**28.7**	16.1	16.3	15.2	22.4	3.33	25.3	.584	16.3	< 2.1	.602	6.2	33.4
E4S	8/6/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	.608	.312	1.57	2.33	1.64	1.37	1.46	1.72	.398	2	< .21	1.45	< .21	.0542	.375	1.99
E4W	8/6/2003	0 - 2	< .94	< .94	< .94	< .94	< .94	< .94	< 1.9	.194	< .94	< 1.9	< 4.7	< .94	1.96	1.2	6.19	7.57	6.06	3.86	5.4	6.89	1.13	8.54	< .94	4.06	< .94	< .94	1.9	9.39
E5	4/5/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.32	< .39	< .39	< 2	< .39	2.1	1.2	7.5	7.6	12	5.1	7.8	8.6	2.1	11	< .39	5.5	< .39	< .39	1	12
E6	4/5/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.45	.23	< .39	< 2	< .39	1.1	1	4.2	5.2	10	3.2	5.6	5.9	1.4	6.2	< .39	4	< .39	< .39	1.7	6.3
E7	4/5/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	.63	0.78	1.3	.5	1.1	.92	.23	.85	< .42	.6	< .42	< .42	< .42	.91
E8	4/5/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	.034	.066	< .38	< 2	< .38	.039	.064	.34	.44	.7	.52	.45	.5	.14	.7	< .38	.61	.048	.049	.33	.64
E9	8/6/2003	0 - 2	< .71	< .71	< .71	< .71	< .71	< .71	< 1.4	.725	.204	< 1.4	< 3.6	.183	1.49	1.73	3.67	4.19	6.24	2.99	3.96	4.78	1.06	11.1	.357	3.74	< .71	< .71	5.24	7.97
F1	4/6/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	1.3	1.7	2.4	1.4	2.4	1.9	.47	2	< .41	1.7	< .41	< .41	.36	2.4

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth Interval	2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Chemical Name																														
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
F2	4/6/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	.49	0.72	.81	.5	.98	.69	< .42	.62	< .42	.56	< .42	< .42	< .42	.7
F3	4/6/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	.31	2.1	2.2	3.6	1.8	3.3	3	.64	3.5	< .41	2.3	< .41	< .41	1.5	3.4
F4	4/6/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	.088	.04	.12	< 2	< .38	.15	.18	2.2	2.3	3.3	1.6	2.5	3.1	.65	2.7	.043	2	< .38	.046	.38	2.4
F5	4/6/2000	0 - 2	NA	NA	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	3.2	7.7	< 4.2	< 22	8.4	5.2	20	59	**45**	56	20	38	64	**9.6**	130	13	25	3.2	3.8	46	89
F5	8/5/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< 1.1	< .21	< .21	< .21	.125	.123	.216	< .21	.0755	.16	< .21	.267	< .21	.103	< .21	< .21	.0449	.22
F5-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.23	--	--	--	--	--	--	--	--	--	--	--	--
F5-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58	--	--	--	--	--	--	--	--	--	--	--	--
F5-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.22	--	--	--	--	--	--	--	--	--	--	--	--
F5E	8/5/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	< .22	< .44	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
F5N	8/5/2003	0 - 2	< .23	< .23	< .23	< .23	< .23	< .23	< .45	.0492	< .23	< .45	< 1.1	< .23	.098	.123	.855	0.761	1.34	.474	.43	.974	.127	2.26	< .23	.575	< .23	< .23	.24	1.54
F5S	8/5/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1.1	< .21	< .21	< .21	< .21	.053	.0494	< .21	.0423	< .21	< .21	.0646	< .21	< .21	< .21	< .21	< .21	< .21
F5W	8/5/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	.866	< 2.1	< 4.1	< 10	< 2.1	4.4	2.77	11.5	**15.3**	20.9	9.78	12.3	14.9	3.2	21.7	< 2.1	11.2	< 2.1	.431	3.29	16.7
F6	4/6/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< 1.9	< .37	< .37	< .37	.64	1.1	1.5	.72	1.4	1	.3	.73	< .37	0.92	< .37	< .37	< .37	.76
F7	4/4/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	.034	< .36	< .36	< 1.9	< .36	.17	.15	.61	.65	.67	.61	.6	.88	.27	1	< .36	.64	< .36	< .36	.19	.99
F8	4/6/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	.84	.54	4.2	4	5.6	1.9	2.7	4.7	0.78	5.6	< .41	1.8	< .41	< .41	1.1	5.5
G1	4/6/2000	0 - 2	NA	NA	< .35	< .35	< .35	< .35	< .35	< .35	< .35	< .35	< 1.8	< .35	< .35	< .35	.27	.39	.68	.3	.38	.44	< .35	.47	< .35	.38	< .35	< .35	< .35	.48
G2	4/6/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	.52	2.1	< .4	< 2.1	2.6	< .4	1.6	.84	.56	1	.24	< .4	1.7	< .4	4.6	2.2	.3	.5	2.1	9	3.2
G3	4/6/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2	< .4	< .4	< .4	.22	.28	.46	.26	.44	.34	< .4	.35	< .4	.3	< .4	< .4	< .4	.34
G4	4/6/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	.21	**3**	2.2	4.2	1.8	4.3	4.3	0.72	6.9	< .41	2.3	< .41	< .41	.98	5.3
G5	4/6/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	< .36	< .36	.1	< 1.9	< .36	< .36	< .36	.088	.089	.09	.068	.11	.11	< .36	.07	< .36	< .36	< .36	< .36	.031	< .36
G6	4/4/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	.31	.28	1.7	1.8	2.3	1.1	1.3	2.2	.49	3.8	< .38	1.2	< .38	< .38	.2	2.8
G7	4/4/2000	0 - 2	NA	NA	< 15	< 15	< 15	< 15	< 15	6.3	2.1	< 15	< 76	2.2	20	48	**240**	**160**	**220**	77	150	250	**40**	370	6.1	**90**	< 15	1.3	48	370
G7	8/5/2003	0 - 2	< 15	< 15	< 15	< 15	< 15	< 15	< 30	5.82	< 15	< 30	< 75	< 15	35.4	41.1	**123**	**116**	**144**	60.2	98.8	146	**25.9**	221	< 15	73.2	< 15	< 15	26.5	165
G7E	8/5/2003	0 - 2	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 9.4	3.7	< 4.7	< 9.4	< 23	< 4.7	15.2	9.76	41.7	**44.6**	62.4	27.2	30.1	52.8	**10.1**	97.7	< 4.7	32.8	< 4.7	< 4.7	18.1	73.7
G7N	8/5/2003	0 - 2	< 16	< 16	< 16	< 16	< 16	< 16	< 33	< 16	< 16	< 33	< 82	8.37	42.6	31.6	**135**	**119**	**182**	68.9	87	152	**29.2**	330	3.48	**83.2**	< 16	< 16	9.55	182
G7S	8/5/2003	0 - 2	< 38	< 38	< 38	< 38	< 38	< 38	< 76	11.3	< 38	< 76	< 190	66.3	71.5	83.2	**291**	**197**	**209**	85.1	152	237	**40**	1050	25.4	**108**	< 38	< 38	69.3	601
G7W	8/5/2003	0 - 2	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 8.8	2.35	< 4.4	< 8.8	< 22	< 4.4	11.4	5.98	28.2	**31.2**	40.5	19.3	26	32.2	6.97	61.9	< 4.4	22.4	< 4.4	< 4.4	9.96	48
G7W-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.53	--	--	--	--	--	--	--	--	--	--	--	--
G7W-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--
G7W-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	--
G8	4/6/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< 2.2	< .43	< .43	.22	2.6	2.4	2.8	1.4	2.7	3.1	.59	4.6	< .43	1.8	< .43	< .43	.68	4.4
H1	4/6/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	.026	< .36	.1	< 1.8	< .36	< .36	.024	.21	.31	.44	.22	.44	.39	.09	.41	< .36	.31	< .36	< .36	.11	.37
H2	4/6/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
H3	4/6/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
H4	4/6/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< 1.9	< .36	< .36	< .36	.64	**2.5**	3.4	1.1	2.2	3.2	.45	.31	< .36	1.5	< .36	< .36	< .36	2
H5	8/5/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	1.01	.736	< 4	< 10	< 2	1.45	2.4	22.2	**17.2**	34	9.27	12.2	24	2.7	37.9	< 2	11.7	< 2	.485	11.5	35.6
H5	4/6/2000	0 - 2	NA	NA	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 20	< 3.8	7	16	**190**	**140**	**220**	71	130	220	**44**	260	2.2	**100**	< 3.8	< 3.8	12	250
H5-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.55	--	--	--	--	--	--	--	--	--	--	--	--
H5-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**27**	--	--	--	--	--	--	--	--	--	--	--	--
H5-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1	--	--	--	--	--	--	--	--	--	--	--	--
H5E	8/5/2003	0 - 2	< .93	< .93	< .93	< .93	< .93	< .93	< 1.9	< .93	< .93	< 1.9	< 4.6	< .93	< .93	< .93	.32	.341	.555	< .93	< .93	.39	< .93	.539	< .93	.371	< .93	< .93	.258	.471
H5N	8/5/2003	0 - 2	< .83	< .83	< .83	< .83	< .83	< .83	< 1.7	< .83	< .83	< 1.7	< 4.2	< .83	.321	.229	2.68	3.19	5.69	1.91	1.78	3.28	.516	3.98	< .83	2.28	< .83	< .83	.568	3.64
H5S	8/5/2003	0 - 2	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 8.2	1.05	< 4.1	< 8.2	< 20	< 4.1	4.78	3.26	35.5	**42.4**	72.4	27	25.2	40.8	7.25	52.8	< 4.1	32.8	< 4.1	< 4.1	6.23	60.7
H5S-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--	--	--	--	--
H5S-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**17**	--	--	--	--	--	--	--	--	--	--	--	--
H5S-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.6**	--	--	--	--	--	--	--	--	--	--	--	--
H5W	8/5/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .96	< .19	< .19	< .19	.276	.298	.621	.204	.187	.339	< .19	.492	< .19	.244	< .19	< .19	.104	.438
H6	4/11/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	1.1	1.1	1.4	.64	1.4	1.6	.28	1.7	< .4	.79	< .4	< .4	.28	1.6
H7	4/11/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
H8	4/6/2000	0 - 2	NA	NA	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< .36	< 1.9	< .36	.41	.27	3.3	4.2	5.4	2.7	3.7	4.2	1.2	4.6	< .36	3.1	< .36	< .36	.63	4.7
I1	4/11/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	.68	0.81	0.91	.57	.84	1	< .39	1.2	< .39	.55	< .39	< .39	.29	1.1
I2	4/11/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	.32	.3	.54	.33	.26	< .42	.32	< .42	.5	< .42	< .42	< .42	.31
I3	8/5/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.0534	< .2	< .4	.757	< .2	.8	.414	.719	2.48	3.5	4.6	.944	1.31	0.875	.987	< .2	4.59	< .2	< .2	.114	.676
I3	4/11/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	.48	1.5	< .39	3.9	.66	4.1	1.9	5.8	**13**	12	13	24	9.4	4.6	9.9	.36	13	.91	2.4	4.6	7.9
I3E	8/5/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 3.9	< 2	1.71	< 3.9	< 9.8	4.12	.989	2.16	6.35	**9.23**	13.1	6.42	3.46	10.8	1.29	23	3.62	7.2	< 2	< 2	19.2	16.5
I3N	8/5/2003	0 - 2	< .88	< .88	< .88	< .88	< .88	< .88	< 1.8	< .88	< .88	< 1.8	2.5	< .88	2.27	1.17	2.18	**9.05**	11.8	15.9	3.39	2.76	3.03	3	< .88	16	< .88	< .88	.442	2.38
I3S	8/5/2003	0 - 2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 8.3	< 4.2	2.46	< 8.3	< 21	< 4.2	4.02	2.42	21.7	**29.7**	73	24.7	20.5	23.7	5.91	42.8	< 4.2	29.1	1.39	4.77	6.27	42.3
I3W	8/5/2003	0 - 2	< .9	< .9	< .9	< .9	< .9	< .9	< 1.8	.322	.233	< 1.8	< 4.5	< .9	.631	.519	5.06	4.71	10.5	3.54	3.4	6.9	0.913	9.2	< .9	4.39	< .9	.223	1.92	8.77
I4	4/11/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	.32	.4	.39	.3	.41	.48	< .4	.59	< .4	.28	< .4	< .4	< .4	.53

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
I5	4/11/2000	0 - 2	NA	NA	< .39	< .39	< .39	< .39	< .39	3.7	11	< .39	1.6	12	.7	4.9	6.2	3.1	3.5	1.5	3.1	6.4	0.76	32	10	1.6	2.9	34	49	23
I6	4/11/2000	0 - 2	NA	NA	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< .37	< 1.9	< .37	1.1	.81	8.4	7.9	9.9	4.2	7.6	8.8	1.9	14	< .37	6.1	< .37	< .37	1.4	12
I7	4/11/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
I8	4/11/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	.22	.61	< .38	< 1.9	.54	.72	1.4	3.5	2.9	3.8	1.7	2.2	4	.61	7.7	.81	1.8	.43	.97	4.2	5.6
J1	8/20/2003	0 - 2	< .7	< .7	< .7	< .7	< .7	< .7	< 1.4	.426	.409	< 1.4	< 3.5	< .7	3.44	1.43	4.11	6.75	9.12	4.83	5.67	5.19	1.68	6.99	< .7	5.67	.437	1.08	1.62	5.2
J2	8/20/2003	0 - 2	< 37	< 37	< 37	< 37	< 37	< 37	< 73	611	83.6	< 73	< 180	30.5	200	1660	**572**	**439**	**662**	260	443	825	**127**	1400	165	**327**	28.8	41.4	890	742
J3	8/20/2003	0 - 2	< 15	< 15	< 15	< 15	< 15	< 15	< 31	< 15	< 15	< 31	< 77	< 15	33.8	12.4	39.1	**78.8**	**109**	59.8	61.3	54.3	**20.2**	51.5	< 15	65.3	< 15	< 15	12.2	44.8
J4	8/21/2003	0 - 2	< .27	< .27	< .27	< .27	< .27	< .27	< .54	< .27	< .27	< .54	< 1.4	< .27	< .27	< .27	.167	.221	.407	.175	.134	.165	< .27	.288	< .27	.194	< .27	< .27	.115	.271
J5	8/21/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.0524	.0416	< .41	< 1	< .21	.131	.146	.383	.439	.562	.286	.43	.473	< .21	.797	< .21	.337	.0413	.0495	.375	.615
J6	8/21/2003	0 - 2	< .82	< .82	< .82	< .82	< .82	< .82	< 1.6	.484	.47	< 1.6	< 4.1	< .82	2.39	1.87	4.27	5.09	6.76	3.3	4.48	5.06	1.07	8.5	< .82	4.02	.248	.309	3.85	6.23
J7	8/21/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	1.24	< 1.9	< 3.8	< 9.5	< 1.9	5.12	3.55	6.76	**12.4**	17.7	9.23	10.6	10.3	2.31	12.4	< 1.9	10.8	< 1.9	< 1.9	2.66	9.98
J8	8/21/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	.0902	.0607	.224	.341	.393	.244	.296	.27	< .19	.389	< .19	.279	< .19	< .19	.106	.296
J9	8/21/2003	0 - 2	< .81	< .81	< .81	< .81	< .81	< .81	< 1.6	.436	.224	< 1.6	< 4.1	< .81	.947	1.3	7.39	**8.1**	12.5	5.57	3.89	8.39	1.38	13.1	< .81	6.31	< .81	.244	3.05	11.5
J10	8/20/2003	0 - 2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 2.9	1.11	1.69	< 2.9	< 7.1	1.8	4.69	3.26	9.09	**10.9**	15.6	7.81	9.22	10.3	2.17	17.9	1.64	9	.894	.99	8.78	13.5
J11	8/21/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	.045	.06	< .44	< 1.1	< .22	.138	.0907	.51	.629	1.01	.528	.307	.603	.126	.772	< .22	.579	.121	.0505	.293	.719
K1	8/21/2003	0 - 2	< .8	< .8	< .8	.198	< .8	< .8	< 1.6	.908	1.06	< 1.6	< 4	< .8	3.11	3.02	7.42	6.64	8.75	4.2	5.35	8.55	1.41	17.2	.162	4.93	.493	.666	9.51	11.5
K2	8/21/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.118	< .21	< .41	< 1	< .21	.33	.175	.449	0.67	0.93	.509	.643	.686	.134	1.12	< .21	.543	< .21	< .21	.368	.819
K3	8/21/2003	0 - 2	< .24	< .24	< .24	< .24	< .24	< .24	< .48	.145	.0691	< .48	< 1.2	< .24	.21	.204	1.29	1.07	2.48	1.08	.721	2.01	.272	3.04	< .24	1.16	.0546	< .24	.862	2.63
K4	8/21/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .99	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
K5	8/21/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	1.11	.83	< 4	< 10	.57	4.56	3.38	21.9	**38.6**	67.1	32.4	18.1	23.7	6.91	24.8	< 2	37.1	< 2	.719	6.78	25.4
K7	8/21/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	.0811	.0461	< .36	< .89	< .18	.188	.174	1.06	1.12	1.94	1.02	.638	1.41	.259	2.02	< .18	1.1	.0666	.0645	.632	1.92
K8	8/21/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.261	.215	< .41	< 1	.0481	.683	.535	3.17	4.19	7.82	4.42	2.39	4.29	1.09	5.02	.0558	5.12	.148	.285	1.77	5.36
K9	8/20/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	.0653	< .37	< .91	< .18	.0793	.054	.174	.213	.211	.143	.219	.202	< .18	.313	< .18	.152	.12	< .18	.262	.253
L1	8/20/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	.109	.139	< .36	< .9	.0386	.194	.187	.641	0.967	1.25	.656	.66	.758	.175	1.22	< .18	.76	.541	.199	.767	.874
L2	8/20/2003	0 - 2	< .7	< .7	< .7	< .7	< .7	< .7	< 1.4	.597	.25	< 1.4	< 3.5	.271	1.12	1.22	3.78	5.51	5.94	3.86	4.39	4.27	0.931	7.16	.173	4.43	< .7	.187	2.84	4.93
L3	8/20/2003	0 - 2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.7	2.11	.505	< 3.7	< 9.1	1.22	1.3	3.42	16.8	**26.8**	27.8	17	12.2	17.5	5.88	27.2	.694	20.4	< 1.8	.379	9.99	18.9
L4	8/20/2003	0 - 2	< .17	< .17	< .17	< .17	< .17	< .17	< .35	.193	.157	< .35	< .87	.0742	.54	.441	1.43	2.15	2.61	1.62	1.62	1.74	.544	2.73	.0498	1.87	.161	.158	1.09	1.94
L5	8/20/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	3.51	2.23	< 3.8	< 9.5	.654	8.93	7.12	13	**18.8**	27.8	16.6	18	18.8	5.24	30	< 1.9	19	1.08	2.3	12.9	20.1
L6	8/21/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .43	< .22	< .22	< .43	< 1.1	< .22	< .22	< .22	.0459	.063	.116	< .22	.0684	.0748	< .22	.104	< .22	< .22	< .22	< .22	< .22	< .22
L7	8/21/2003	0 - 2	< .78	< .78	< .78	< .78	< .78	< .78	< 1.6	.283	< .78	< 1.6	< 3.9	< .78	1.17	.727	3.08	3.78	4.58	2.22	3.8	3.8	0.868	4.62	< .78	2.57	< .78	.199	.929	3.61
L8	8/21/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.7	1.28	.788	< 3.7	< 9.3	< 1.9	3.74	2.52	9.18	**10.5**	18.4	7.52	11.2	12.4	2.91	22.3	< 1.9	9.18	.438	.783	6.98	15.1
L9	8/21/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	.29	.19	< .38	< .95	.0381	.964	.617	1.97	2.38	3.3	1.63	1.98	2.47	.597	3.44	.0401	1.96	.301	.23	1.08	2.7
L10	8/21/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	1.25	.461	< 4.1	< 10	< 2.1	6.22	4.81	16.4	**17.1**	27.8	11.5	14.3	19.5	3.61	28.4	< 2.1	14	< 2.1	.43	4.14	22.2
L11	8/21/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.316	.121	< .4	< 1	.065	1.32	.912	1.7	2.67	4	2.16	1.85	2.27	0.707	3	< .2	2.54	.12	.0951	.837	2.57
L12	8/21/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
L13	8/21/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .37	< .19	< .19	< .37	< .94	< .19	< .19	< .19	.0518	.0683	.0958	< .19	.0658	.067	< .19	.103	< .19	< .19	< .19	< .19	< .19	.0764
LAGOON A1	8/8/2003	0 - 2	< .76	< .76	< .76	< .76	< .76	< .76	< 1.5	.41	.239	< 1.5	< 3.8	< .76	.985	.834	4.06	4.78	7.65	4.39	2.28	5.1	0.929	8.72	.275	4.73	< .76	< .76	3.82	8.38
LAGOON A2	8/8/2003	0 - 2	< .82	< .82	< .82	< .82	< .82	< .82	< 1.6	.767	.19	< 1.6	< 4.1	< .82	.682	2.47	3.82	3.79	5.72	2.82	2.06	4.31	0.677	7.26	.309	3.2	< .82	.192	2.52	6.5
LAGOON A3	8/8/2003	0 - 2	< .77	< .77	< .77	< .77	< .77	< .77	< 1.5	.502	< .77	< 1.5	< 3.9	< .77	1.43	.93	5.66	7.34	12.9	7.24	3.77	6.94	1.8	6.47	< .77	8.21	< .77	.175	1.24	7.25
LAGOON B1	8/8/2003	0 - 2	< .77	< .77	< .77	< .77	< .77	< .77	< 1.5	1.17	.749	< 1.5	< 3.8	.198	1.84	2.19	4.23	4.3	4.55	2.73	4.09	4.84	0.837	12.1	.654	3.07	.558	1.15	8.06	6.95
LAGOON B2	8/8/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	.135	.112	.419	.579	.483	.261	.472	.405	< .21	.496	< .21	.345	< .21	< .21	.0974	.419
LAGOON B3	8/8/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	.35	.123	< .44	< 1.1	< .22	1.61	.887	2.26	3.08	4.07	2.25	2.89	3.02	0.801	4.23	< .22	2.53	.166	.175	1.19	3.1
M1	8/20/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	.163	.0814	.516	0.709	0.941	.428	.586	.617	.104	.596	< .2	.489	< .2	< .2	.0973	.513
M2	8/20/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
M3	8/20/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
M4	8/20/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	.0396	< .19	< .19	< .19	< .19	< .19	< .19
M5	8/20/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
M6	8/20/2003	0 - 2	< .75	< .75	< .75	< .75	< .75	< .75	< 1.5	.391	< .75	< 1.5	< 3.7	< .75	1.29	.788	1.69	2.38	3.86	1.97	2.64	2.82	.45	4.02	< .75	2.22	< .75	.164	1.12	2.81
M7	8/20/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .99	< .2	< .2	< .2	< .2	.0473	.0678	< .2	.0666	.0538	< .2	.0673	< .2	< .2	< .2	< .2	< .2	< .2
M8	8/20/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .39	.2	.105	< .39	< .97	< .19	.729	.432	1.07	1.35	2.62	1.13	1.46	1.92	.365	2.63	< .19	1.32	.0861	.0824	.66	1.77
M9	8/21/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .96	< .19	.108	.0556	.177	.225	.316	.165	.27	.242	< .19	.338	< .19	.194	< .19	< .19	.0889	.245
MW-14S	7/30/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	.0636	.0414	.217	< .91	< .18	.0628	.304	.326	.272	.401	.207	.153	.403	< .18	.548	.0534	.239	< .18	.0397	.281	.418
MW-14D	7/30/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .37	< .19	< .19	< .37	< .93	< .19	.0785	.144	.306	.313	.485	.276	.158	.318	< .19	.453	< .19	.322	< .19	< .19	.126	.347
MW-15S	7/31/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.7	**271**	25.1	< 3.7	< 9.3	1.08	1.72	867	7.43	**9.56**	13.2	4.9	4.15	21.5	1.51	10.6	71	6.11	21.8	17.7	94.9	7.59
MW-15D	7/31/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	.997	< 1.9	< 3.8	< 9.6	.404	5.48	12.3	32	**64.2**	**97.7**	33.1	**24.6**	67.2	**8.96**	22.4	.572	41.1	< 1.9	< 1.9	.891	13.7
MW-15D-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**28**	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**39**	--	--	--	--	--	--	--	--	--	--	--	--

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
MW-16S	7/31/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.0864	.184	< .42	< 1	.175	< .21	.377	.169	.1	.158	< .21	.0558	.403	< .21	.625	.249	< .21	.0728	.0734	.977	.445
MW-16D	7/31/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .43	.0675	.0785	< .43	< 1.1	.0575	< .22	.125	.0498	< .22	< .22	< .22	< .22	.0516	< .22	.219	.0963	< .22	< .22	< .22	.316	.13
MW-17S	7/31/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.159	.14	.598	< 1	.0544	.846	.611	1.17	1.54	2.14	1.19	1.27	1.32	.388	1.82	< .2	1.39	.0996	.119	.955	1.53
MW-17D	7/31/2003	0 - 2	< .86	< .86	< .86	< .86	< .86	< .86	< 1.7	.184	< .86	< 1.7	< 4.3	< .86	1.49	.956	1.73	2.46	2.87	1.86	2.41	2	.472	2.92	< .86	2.08	< .86	< .86	.714	2.38
MW-18S	8/1/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	.0456	< .2	< .39	< .99	< .2	.141	.118	.274	.33	.424	.251	.377	.394	< .2	.634	< .2	.28	< .2	< .2	.232	.476
MW-18D	8/1/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.0819	.0653	< .4	< 1	< .2	.171	.155	.387	.412	.528	.279	.435	.562	< .2	1.1	< .2	.311	.0546	.102	.576	.77
MW-19S	8/1/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
MW-19D	8/1/2003	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.9	5.7	2.19	< 3.9	< 9.7	1.73	36	32.3	**79.8**	**106**	**129**	56.4	**82.4**	**93.7**	**20.7**	123	3.14	70.4	1.22	2.14	17	104
MW-19D-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**130**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-NN	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**58**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-N15	4/2/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**22**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-N/W15	4/2/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.5**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**34**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-WW	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**42**	--	--	--	--	--	--	--	--	--	--	--	--
MW-19D-W15	4/2/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**120**	--	--	--	--	--	--	--	--	--	--	--	--
MW-20S	10/24/2003	0 - 2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 4.5	1.61	< 2.2	< 4.5	< 11	< 2.2	5.49	8.8	9.69	**15**	19	10.2	6.79	13.2	**2.84**	7.17	.499	11.1	< 2.2	< 2.2	1.96	9.63
MW-20D	10/27/2003	0 - 2	<2	<2	<2	<2	<2	<2	<4	0.797	<2	<4	<10	<2	16.5	7.5	14.2	**31.8**	41.6	23.5	15.7	21	**8.14**	11.3	<2	25.7	<2	456	2.35	17.9
MW-21S	10/24/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	.0556	.118	< .44	< 1.1	.054	.421	.348	1	1.53	1.55	1.39	.515	1.16	.258	1.14	.0851	1.2	.118	.225	.948	1.55
MW-21D	10/27/2003	0 - 2	<.21	<.21	<.21	<.21	<.21	<.21	0.116 J	0.183 J	0.0594 J	0.265 J	<1.1	0.1 J	0.342	0.35	1.71	2.25	2.64	2.07	0.801	2.05	0.418	3.11	0.127 J	1.93	0.0696	0.076 J	1.57	3.32
MW-22D	10/27/2003	0 - 2	<.22	<.22	<.22	<.22	<.22	<.22	<.43	.171 J	0.049J	.357 J	<1.1	0.0707	0.0795	0.234	1.08	1.32	1.77	1.13	0.569	1.39	0.246	2.34	0.0807	1.28	<.22	<.22	1.24	2.28
MW-23D	10/23/2003	0 - 2	< .26	< .26	< .26	< .26	< .26	< .26	< .51	.49	.129	.587	< 1.3	.184	.102	.556	2.75	3.06	4.58	2.47	1.49	3.41	.509	5.99	.219	2.61	< .26	.0832	3.14	5.63
MW-24A	7/21/2008	0 - 1.5	< .22	< .22	< .22	< .22	<.22	< .22	< .43	0.426	0.138	1.11	<.35	0.183	0.0956	0.467	2.44	2.84	3.88	1.81	1.29	2.84	0.398	4.26	0.219	2.15	.0551	0.0971	2.6	4.77
MW-25A	7/24/2008	0 - 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.7	4.64	1.96	< 3.7	< 60	< 60	< 60	12.3	30.9	46	98.4	30.1	31.6	59.1	6.92	93.4	< 60	37.1	< 60	< 60	15.8	80.7
MW-26A	7/29/2008	0 - 2	< .20	< .20	< .20	< .20	< .20	< .20	< .40	< .20	< .20	< .40	< .32	< .32	< .32	< .32	0.117	0.122	0.232	0.0752	0.073	0.136	0.0172	0.192	< .32	0.0926	< .32	< .32	< .32	0.186
MW-27A	8/5/2008	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< .33	< .33	< .33	< .33	< .033	< .033	< .033	< .033	< .033	< .033	< .033	< .33	< .33	< .033	< .33	< .33	< .33	< .33
MW-27B	8/8/2008	0 - 2	< .20	< .20	.1861	< .20	< .20	< .20	< .39	0.0974	0.0433	< .39	< .31	< .31	0.1860	0.211	0.765	0.974	1.21	0.62	0.416	0.956	0.129	1.53	< .31	0.642	< .31	0.0606	0.882	1.55
MW-28A	1/5/2009	0 - 2	< .20	< .20	< .20	< .20	< .20	< .20	< .41	< .20	< .20	< .41	< .33	< .33	< .33	< .33	0.176	0.206	0.365	0.0996	0.106	0.216	0.0243	0.424	< .33	0.119	< .33	< .33	0.167	0.366
MW-28B	1/12/2009	0 - 2	< .20	< .20	< .20	< .20	< .20	< .20	< .41	< .20	< .20	< .41	< .33	< .33	< .33	< .33	< .033	<. 033	0.0162	< .033	< .033	< .033	< .033	< .33	< .33	< .033	< .33	< .33	< .33	< .33
MW-28C	1/14/2009	0 - 2	< .20	< .20	< .20	< .20	< .20	< .20	< .41	< .20	< .20	< .41	< .33	< .33	< .33	< .33	0.0928	0.127	0.197	0.0597	0.059	0.121	< .033	0.232	< .33	0.0735	< .33	< .33	0.076	0.169
MW-29A	1/22/2009	0 - 2	< 10	< 10	< 10	< 10	< 10	< 10	< 21	134	109	< 21	< 100	173	< 100	763	**143**	**89.9**	**157**	39.1	58.1	166	**12.9**	573	282	51.4	80.1 J	104	487	370
MW-29A-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**95**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29A-EE	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.26	--	--	--	--	--	--	--	--	--	--	--	--
MW-29A-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29A-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**48**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29A-WW	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**18**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B	2/3/2009	0 - 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.1	5.79	7.10	< 4.1	< 81	< 81	< 81	27.6 J	60.3	**63.2**	**103**	36.2	33.2	69.9	**10.6**	135	< 81	43	< 81	< 81	40.9 J	97.3
MW-29B-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**71**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-WW	3/19/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**120**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W15	4/2/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**39**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W15-S	4/2/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**64**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W15-N	4/10/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**40**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W20	4/10/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**210**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W20-N	4/10/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**33**	--	--	--	--	--	--	--	--	--	--	--	--
MW-29B-W20-S	4/10/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**21**	--	--	--	--	--	--	--	--	--	--	--	--
MW-30A	10/12/2009	0 - 2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	< 0.20	< 0.20	< 0.39	< 0.31	< 0.31	< 0.31	< 0.31	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.31	< 0.31	< 0.031	< 0.31	< 0.31	< 0.31	< 0.31
MW-30B	10/14/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	0.0204 J	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-30C	10/15/2009	0 - 2	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 1.7	0.433 J	0.528 J	< 1.7	< 0.33	< 0.33	0.8660	0.849	5.5	6.97	14.2	3.86	4.46	6.53	0.799	6.98	< 0.33	5.74	0.234 J	0.322 J	2.9	6.96
MW-31A	10/19/2009	0 - 2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	0.0453	0.0603	0.0742	0.0308 J	0.0233 J	0.0577	< 0.032	0.0745 J	< 0.32	0.0325	< 0.32	< 0.32	< 0.32	0.0891 J
MW-31B	10/20/2009	0 - 2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.29	< 0.29	< 0.29	< 0.29	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.29	< 0.29	< 0.029	< 0.29	< 0.29	< 0.29	< 0.29
MW-31C	10/26/2009	0 - 2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	0.129	0.174	0.266	0.0877	0.0878	0.239	0.0161 J	0.473	< 0.32	0.1	< 0.32	< 0.32	0.279 J	0.451
MW-32A	10/27/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-32B	4/9/2012	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	<0.33	<0.17	<0.17	<0.17	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	<0.17	<0.17	<0.033	<0.17	<0.17	<0.17	<0.17
MW-33A	11/2/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-33B	11/5/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-33C	11/9/2009	0 - 2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	< 0.22	< 0.22	< 0.44	< 0.35	< 0.35	< 0.35	< 0.35	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.35	< 0.35	< 0.035	< 0.35	< 0.35	< 0.35	< 0.35

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
MW-34A	11/18/2009	0 - 2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	0.292	< 0.20	< 0.41	< 1.6	< 1.6	< 1.6	< 1.6	1.13	1.38	2.49	1.09	0.732	1.43	0.264	2	< 1.6	1.28	< 1.6	< 1.6	< 1.6	1.71
MW-33A	11/2/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-33B	11/5/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-33C	11/9/2009	0 - 2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	< 0.22	< 0.22	< 0.44	< 0.35	< 0.35	< 0.35	< 0.35	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.35	< 0.35	< 0.035	< 0.35	< 0.35	< 0.35	< 0.35
MW-35A	2/8/2010	0 - 2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-35B/C	2/8/2010	0 - 2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	0.0922	0.129	0.187	0.0456	0.0632	0.117	< 0.034	< 0.34	< 0.34	0.056	< 0.34	< 0.34	< 0.34	< 0.34
MW-36A/B	2/11/2010	0 - 2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	< 0.33	< 0.33	<0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-36C	2/15/2010	0 - 2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	<0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-37A/B	2/17/2010	0 - 2	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	< 0.43	<0.22	<0.22	< 0.43	<0.87	<0.87	<0.87	<0.87	1.73	2.59	2.42	1.33	0.879	1.93	0.322	1.81	<0.87	1.4	<0.87	<0.87	<0.87	2.38
MW-38A	3/22/2010	0 - 2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	< 0.33	< 0.33	<0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-38B	3/23/2010	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.40	<0.32	<0.32	<0.32	<0.32	<0.032	<0.032	0.0331	<0.032	<0.032	<0.032	<0.032	<0.32	<0.32	<0.032	<0.32	<0.32	<0.32	<0.32
MW-39A	3/23/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.19	<0.19	<0.39	<0.31	<0.31	<0.31	<0.31	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.31	<0.31	<0.031	<0.31	<0.31	<0.31	<0.31
MW-39B	3/23/2010	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.39	<0.20	<0.20	<0.39	<0.32	<0.32	<0.32	<0.32	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.32	<0.32	<0.032	<0.32	<0.32	<0.32	<0.32
MW-40A	4/2/2010	0 - 2	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<1.6	<0.79	<0.79	<1.6	<0.79	1.03	2.99	2.2	20.3	23.8	31.4	9.58	11	21.6	3.15	29.7	1.78	13	<0.79	<0.79	4.6	--
MW-40B/C	4/6/2010	0 - 2	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.84	1.05	<0.42	<0.84	<17	<17	<17	<17	19.9	20.9	33.1	15.3	10.4	20.8	4.34	23.9	<17	18.6	<17	<17	<17	20.5
MW-41A	11/2/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-42A	11/3/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-42B	11/3/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-43A	11/9/2010	0 - 2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.36	<0.29	<0.14	<0.14	<0.14	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.14	<0.14	<0.029	<0.14	<0.14	<0.14	<0.14
MW-44A	11/11/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.31	<0.15	<0.15	<0.15	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.15	<0.15	<0.031	<0.15	<0.15	<0.15	<0.15
MW-45A/B	11/12/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.31	<0.16	<0.16	<0.16	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.16	<0.16	<0.031	<0.16	<0.16	<0.16	<0.16
MW-45C	11/17/2010	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.31	<0.15	<0.15	<0.15	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.15	<0.15	<0.031	<0.15	<0.15	<0.15	<0.15
MW-46A	11/18/2010	0 - 2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.35	<0.28	<0.14	<0.14	<0.14	0.328	0.493	0.556	0.287	0.164	0.379	0.0558	0.353	<0.14	0.293	<0.14	<0.14	<0.14	0.443
MW-47A	11/19/2010	0 - 2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.36	<0.29	<0.15	<0.15	<0.15	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.15	<0.15	<0.029	<0.15	<0.15	<0.15	<0.15
MW-48	1/4/2011	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
MW-49A	7/26/2011	0 - 2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.31	<0.15	<0.15	<0.15	<0.031	<0.031	0.0423	<0.031	<0.031	<0.031	<0.031	<0.15	<0.15	<0.031	<0.15	<0.15	<0.15	<0.15
MW-49C	7/28/2011	0 - 2	<0.19	<0.19	<0.19	<0.31	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.31	<0.15	<0.15	<0.15	0.282	0.666	1.21	0.456	0.367	0.417	0.105	0.242	<0.15	0.582	<0.15	<0.15	<0.15	0.48
MW-50A	8/1/2011	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
MW-51A	8/4/2011	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.33	<0.16	<0.16	<0.16	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.16	<0.16	<0.033	<0.16	<0.16	<0.16	<0.16
MW-52A	8/10/2011	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
MW-54A	4/11/2012	0 - 2	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	<0.47	< 0.37	<0.19	<0.19	<0.19	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	<0.19	<0.19	< 0.037	<0.19	<0.19	<0.19	<0.19
MW-55A	4/12/2012	0 - 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
MW-56A	4/16/2012	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	<0.41	<0.33	<0.16	<0.16	<0.16	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.16	<0.16	<0.033	<0.16	<0.16	<0.16	<0.16
RW-1	10/29/2009	0 - 2	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.1	20.3	5.18	< 8.1	< 16	5.39 J	13.9 J	173	**103**	**129**	**184**	46.4	63.5	169	**16**	137	14.3 J	59.7	4.79 J	10.8 J	39.1	142
RW-1-N	2/17/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1-E	2/17/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.7	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1-S	2/17/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.2**	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1-W	2/17/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-2	11/10/2009	0 - 2	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.45	0.408	< 0.23	0.504	< 0.36	< 0.36	< 0.36	0.531	2.5	3.05	4.33	1.25	1.53	3.4	0.394	6.33	< 0.36	1.64	< 0.36	< 0.36	2.98	5.01
RW-3	11/11/2009	0 - 2	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.46	0.243	< 0.23	< 0.46	< 0.37	< 0.37	< 0.37	< 0.37	1.71	2.26	3.19	1.17	1.12	2.38	0.269	3.96	< 0.37	1.43	< 0.37	< 0.37	1.49	3.17
RW-4	11/13/2009	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	0.15	0.199	0.198	0.13	0.0722	0.192	< 0.033	< 0.33	< 0.33	0.119	< 0.33	< 0.33	< 0.33	< 0.33
RW-5	11/16/2009	0 - 2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.43	< 0.22	< 0.22	< 0.43	< 0.35	< 0.35	< 0.35	< 0.35	0.164	0.231	0.236	0.162	0.0838	0.204	< 0.035	< 0.35	< 0.35	0.15	< 0.35	< 0.35	< 0.35	< 0.35
RW-6	3/31/2010	0 - 2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	<0.45	< 0.22	< 0.22	<0.45	< 0.36	< 0.36	< 0.36	< 0.36	0.404	0.499	0.573	0.237	0.19	0.41	0.0566	0.712	< 0.36	0.282	< 0.36	< 0.36	0.37	0.732
RW-7	11/1/2010	0 - 2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	<0.42	<0.34	<0.17	<0.17	<0.17	0.269	0.319	0.65	0.248	0.206	0.38	0.0495	0.485	<0.17	0.309	<0.17	<0.17	<0.17	0.461
RW-8	4/18/2012	0 - 2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	0.291	< 0.22	<0.45	<0.36	<0.18	0.682	0.718	3.55	4.13	5.64	2.13	2.15	4.5	0.932	5.3	<0.18	3.21	<0.18	<0.18	1.07	4.95
N1	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	< .18	.0431	.0994	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
N2	8/19/2003	0 - 2	< .22	< .22	< .22	< .22	< .22	< .22	< .44	.148	.285	< .44	< 1.1	.143	.444	.358	2.39	3.93	9.08	3.98	2.57	3.63	0.84	3.41	.0519	4.65	.122	.434	.983	4.99
N3	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
N4	8/19/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	.0499	< .2	< .2	< .2	< .2	.0398	< .2	< .2	< .2	< .2	< .2	< .2
N5	8/19/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .39	< .19	< .19	< .39	< .97	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
N6	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	.105	.0966	< .36	< .89	< .18	.332	.196	.712	1.05	1.5	.804	.952	.956	.297	1.4	< .18	0.951	0.0906	.051	.645	.965
N7	8/19/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .37	< .19	.0473	< .37	< .93	< .19	.0462	< .19	.0729	.0887	.141	< .19	.096	.103	< .19	.151	< .19	.0829	.0493	< .19	.17	.108
N8	8/19/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .37	.0987	.0411	< .37	< .94	< .19	.226	.115	.309	.43	.737	.378	.445	.536	.122	1.08	< .19	.42	.0579	< .19	.427	.696
P1	8/19/2003	0 - 2	< .75	< .75	< .75	< .75	< .75	< .75	< 1.5	.23	.401	< 1.5	< 3.7	< .75	.485	.459	2.45	3.27	6.51	2.4	1.97	2.15	.597	4.36	< .75	2.78	.332	.362	1.97	5.46
P2	8/19/2003	0 - 2	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 15	1.94	1.73	< 15	< 38	1.82	9.79	15.8	**88.6**	**75.4**	**113**	45.2	37.1	82.7	**14**	129	2.58	50.7	< 7.7	< 7.7	17.7	135
P2-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--
P2-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--
P2-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--
P2-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID	Sample Date	Depth Interval	2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Chemical Name																														
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
P3	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .35	.0514	.0982	< .35	< .89	< .18	.223	.17	1.27	1.19	1.91	.869	.629	1.18	.21	1.74	< .18	1.01	.13	.0878	.454	1.94
P4	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .35	.0566	.291	< .35	< .88	.0404	.107	.167	.63	.543	0.893	.574	.273	.725	.142	1.05	.0412	.566	.456	.362	1.38	1.1
P5	8/19/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .39	.22	.501	< .39	< .97	.0519	.929	.596	1.38	1.71	2.73	1.28	1.28	1.65	.461	2.48	< .19	1.43	.542	.367	2.22	1.76
P6	8/19/2003	0 - 2	< .4	< .4	< .4	< .4	< .4	< .4	< .8	.487	.307	< .8	< 2	.0844	1.73	1.07	3.14	4.04	5.9	2.82	3.42	4.03	1	6.18	.0897	3.38	.281	.383	2.1	4.58
P7	8/19/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .39	.346	.204	< .39	< .98	.0448	.353	.296	.623	0.753	1.2	.577	.826	1.12	.198	2.6	< .2	.66	.231	.247	1.35	1.52
P8	8/19/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.084	.196	< .42	< 1.1	< .21	.182	.134	.341	.392	.592	.295	.307	.438	.112	.686	< .21	.339	.642	.331	.655	.489
Q1	8/19/2003	0 - 2	< .38	< .38	< .38	< .38	< .38	< .38	< .76	.313	.249	< .76	< 1.9	< .38	1.13	.721	2.11	2.86	4.13	1.96	2.56	2.78	0.744	3.85	< .38	2.36	.234	.228	1.4	2.95
Q2	8/19/2003	0 - 2	< .39	< .39	< .39	< .39	< .39	< .39	< .78	.968	.955	< .78	< 2	.112	1.8	1.49	3.32	3.85	6.25	2.82	3	4.39	1.06	7.84	.0992	3.29	1.26	1.13	3.62	5.52
Q3	8/19/2003	0 - 2	< .2	< .2	< .2	< .2	< .2	< .2	< .41	.362	.356	< .41	< 1	.095	.788	.719	4.42	5.15	9.31	4.97	2.79	5.3	1.13	6.62	.0878	4.25	.228	.398	2.29	6.77
Q4	8/19/2003	0 - 2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.6	< 1.8	< 1.8	< 3.6	< 9	< 1.8	< 1.8	< 1.8	.401	< 1.8	.658	< 1.8	< 1.8	.502	< 1.8	.801	< 1.8	< 1.8	< 1.8	< 1.8	.689	.833
Q5	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .35	< .18	.0378	< .35	< .88	< .18	.0615	.0449	.245	.336	.682	.26	.203	.232	< .18	.397	< .18	.29	.0823	.0432	.18	.412
Q6	8/19/2003	0 - 2	< .18	< .18	< .18	< .18	< .18	< .18	< .36	< .18	< .18	< .36	< .91	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
Q7	8/19/2003	0 - 2	< 22	< 22	< 22	< 22	< 22	< 22	< 45	< 22	13.1	< 45	< 110	8.05	11.1	9.75	**120**	**52.9**	**223**	43.2	75.6	**178**	**11.6**	404	< 22	57.7	5.83	21.5	35.8	320
Q7-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**14**	--	--	--	--	--	--	--	--	--	--	--	--
Q7-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--	--	--	--	--
Q7-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**28**	--	--	--	--	--	--	--	--	--	--	--	--
Q7-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**19**	--	--	--	--	--	--	--	--	--	--	--	--
Q8	8/19/2003	0 - 2	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .94	< .19	< .19	< .19	< .19	< .19	.0655	< .19	< .19	< .19	< .19	.0411	< .19	< .19	< .19	< .19	< .19	< .19
S1	9/25/2000	0 - 2	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< 2.2	< .43	.5	.28	4.3	5.5	9.1	3.8	4	5.2	< .43	4.5	< .43	4.2	< .43	< .43	.73	4.9
S2	9/25/2000	0 - 2	NA	NA	< .46	< .46	< .46	< .46	< .46	< .46	< .46	< .46	< 2.4	< .46	.56	.33	6.2	6.2	11	4.1	3.1	6	< .46	6	< .46	4.5	< .46	< .46	.71	8.5
S3	9/25/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	.25	< .42	< .42	< 2.2	< .42	.23	.52	3	3.8	5.6	2.8	4.2	3.9	0.91	4	< .42	3.3	< .42	< .42	2	5.2
S4	9/25/2000	0 - 2	NA	NA	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< 2.3	< .44	< .44	< .44	< .44	.24	.34	< .44	.22	.3	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44
S6	9/25/2000	0 - 2	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	0.99	1.1	1.3	.8	1	1.4	< .42	2	< .42	.88	< .42	< .42	.84	1.9
S7	9/25/2000	0 - 2	NA	NA	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< 2.5	< .48	< .48	< .48	.55	.6	.74	.42	.54	.58	< .48	.98	< .48	.49	< .48	< .48	< .48	.94
S8	9/25/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	.061	< .41	< .41	< 2.1	< .41	.4	< .41	2.7	3.4	5.4	2.6	2.3	3.1	0.86	3.3	< .41	2.8	< .41	< .41	.56	3.6
S9	9/29/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	.19	< .41	.15	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
S10	9/29/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	.72	0.92	1.1	.66	1.5	1.1	< .41	1.4	< .41	.58	< .41	< .41	.32	1.3
S11	9/29/2000	0 - 2	NA	NA	< .41	< .41	< .41	< .41	< .41	.21	< .41	.2	< 2.1	< .41	.41	.46	4.7	< .41	5.5	3	4.6	5.4	< .41	6.3	< .41	3.1	< .41	< .41	1.4	6.1
S12	9/29/2000	0 - 2	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	< .38	.26	1.5	1.4	1.6	.69	1.3	1.5	< .38	2.6	< .38	.59	< .38	< .38	.86	2.3
S13	9/29/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	.49	.57	.5	.32	.65	.56	< .4	.73	< .4	.28	< .4	< .4	< .4	.69
S14	8/8/2003	0 - 2	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.0917	< .21	< .41	< 1	< .21	.117	.374	0.977	0.812	1.13	.378	.405	.912	.111	1.78	< .21	.48	< .21	< .21	.368	1.39
S14	9/29/2000	0 - 2	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	.81	1.3	8.7	**9.7**	12	4.8	8.2	12	< .4	8.6	< .4	5.1	< .4	< .4	1.5	14
S14E	8/8/2003	0 - 2	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 15	606	67.1	< 15	< 38	31.5	49.1	1890	**133**	**120**	**140**	58.2	85.4	254	**23.7**	420	165	72.5	50.6	45.4	239	253
S14N	8/8/2003	0 - 2	< 21	< 21	< 21	< 21	< 21	< 21	< 41	31.9	7.25	< 41	< 100	5.13	37.3	124	**215**	**183**	**265**	117	88.1	218	**34.3**	462	16.7	**145**	< 21	5.15	149	348
S14W	8/8/2003	0 - 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4.1	1.3	.499	< 4.1	< 10	< 2	1.82	2.19	7.4	**8.16**	13.3	6.52	4.49	9.62	1.54	16.2	< 2	7.57	< 2	.574	6.68	12.7
S15	5/6/2004	0 - .5	<1	<1	<1	<1	<1	<1	< 2	1.01	.617	< 2	< 5	<1	1.05	1.17	9.92	**9.58**	20.9	7.62	6.57	14.8	1.94	18.3	<1	9.05	.312	.474	5	16.6
S16	5/6/2004	0 - .5	< .82	< .82	< .82	< .82	< .82	< .82	< 1.6	.635	.24	< 1.6	< 4.1	< .82	.992	.716	5.7	6.4	13	5.11	4.14	8.16	1.27	10.5	< .82	5.87	< .82	.209	2.41	10.7
S17	5/6/2004	0 - .5	< .84	< .84	< .84	< .84	< .84	< .84	< 1.7	.404	.373	< 1.7	< 4.2	< .84	.575	.488	4.63	5.64	12.2	3.96	3.55	6.44	1.11	6.43	< .84	4.68	.372	.34	2.38	7.64
S18	5/6/2004	0 - .5	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 8.9	3.77	4.03	< 8.9	< 22	1.23	11.3	18.5	**83.2**	**84.1**	**153**	72.9	45.7	101	**19.8**	140	1.27	78.1	1.76	3.41	25.3	143
S18-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.54	--	--	--	--	--	--	--	--	--	--	--	--
S18-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**59**	--	--	--	--	--	--	--	--	--	--	--	--
S18-W	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**19**	--	--	--	--	--	--	--	--	--	--	--	--
S19	5/6/2004	0 - .5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	.843	< 2.1	< 4.1	< 10	< 2.1	1.71	1.33	14.6	**15**	26.9	11.1	8.69	18.1	2.64	28	< 2.1	12.7	< 2.1	< 2.1	3.22	27.6
S20	5/6/2004	0 - .5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 15	52.3	10.9	< 15	< 37	5.39	44.8	339	**496**	**357**	**506**	153	114	558	**61.4**	850	27.6	**253**	8.05	10.1	112	792
S20	5/6/2004	0 - .5	< 7.4	< 7.4	< 7.4	< 7.4	< 7.4	< 7.4	< 15	63.9	15.3	< 15	<37	6.82	42.4	320	**441**	**316**	**487**	146	101	481	**71.7**	773	31	**185**	10.9	17.1	149	686
S21	5/6/2004	0 - .5	< .93	< .93	< .93	< .93	< .93	< .93	< 1.9	.928	.841	< 1.9	< 4.7	.202	1.22	1.74	9.54	**9.28**	15.1	7.37	4.72	9.97	1.85	16.4	.741	8.16	.506	1.39	7.6	14.7
S22	5/6/2004	0 - .5	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.6	7.88	13	< 3.6	134	2.29	6.1	19.6	56.9	**41.3**	74.4	38.1	18.7	58.6	**12.4**	138	3.11	42.9	7.22	15.4	84.2	115
S23	5/6/2004	0 - .5	< .85	< .85	< .85	< .85	< .85	< .85	< 1.7	.707	.835	< 1.7	< 4.3	.187	1.34	1.68	6.66	7.35	13	8.18	4.27	7.81	2.01	12	< .85	9.17	.405	.725	5.76	11.5
S24	5/6/2004	0 - .5	< .74	< .74	< .74	< .74	< .74	< .74	< 1.5	.555	.868	< 1.5	< 3.7	< .74	.959	1.24	5.48	5.95	12.4	6.63	3.81	6.88	1.64	9.92	< .74	7.93	.42	.624	5.48	8.43
S25	5/6/2004	0 - .5	< .73	< .73	< .73	< .73	< .73	< .73	< 1.5	.693	.452	< 1.5	< 3.6	.212	.979	1.07	5.17	6.98	11.5	7.83	3.42	6.71	1.8	8.12	.163	8.76	.261	.455	3.61	7.89
S26	5/6/2004	0 - .5	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.259	.115	< .4	< .99	< .2	.545	.368	2.46	3.35	6.29	3.53	1.78	3.51	1.01	3.52	< .2	3.95	.102	.104	.872	3.85
S27	5/6/2004	0 - .5	< .91	< .91	< .91	< .91	< .91	< .91	< 1.8	.642	.67	< 1.8	< 4.6	< .91	1.41	1.31	7.01	7.8	15.3	8.42	5.12	10.4	2.19	12.4	< .91	9.87	.343	.547	4.67	11.7
S28	5/6/2004	0 - .5	< .89	< .89	< .89	< .89	< .89	< .89	< 1.8	.55	.362	< 1.8	< 4.4	< .89	1.48	1.5	9.92	**9.86**	16.3	8.64	5.32	11.2	2.62	14.3	< .89	9.85	.248	.425	2.72	16.1
S29	5/6/2004	0 - .5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.0844	.359	< .42	< 1.1	< .21	.113	.186	.717	.583	.975	.643	.3	.807	.197	1.02	.0588	.64	.516	.358	1.56	1.19
S30	5/7/2004	0 - .5	< .46	< .46	< .46	< .46	< .46	< .46	< .91	.641	.136	< .91	< .23	< .46	2.09	1.73	3.42	4.73	8.55	4.43	4.2	5.33	1.11	5.03	< .46	4.86	< .46	.122	.92	5.49
S30	5/7/2004	0 - .5	< .24	< .24	< .24	< .24	< .24	< .24	< .49	.346	.0978	< .49	.731	< .24	1.89	1.4	3.76	4.79	7.51	4.34	5.79	5.44	1.55	5.19	< .24	4.56	.058	.0967	.771	5.88
S31	5/7/2004	0 - .5	< .2	< .2	< .2	< .2	< .2	< .2	< .41	.214	.129	< .41	1.35	< .2	1.33	.933	1.78	2.28	4.08	2.76	3.23	3.12	.901	3.5	< .2	4.25	.0605	.108	.762	4.19
S32	5/7/2004	0 - .5	< .95	< .95	< .95	< .95	< .95	< .95	< 1.9	.398	< .95	< 1.9	< 4.8	< .95	1.37	.99	10.4	**11.2**	21.6	7.09	7.01	13.1	1.79	16.9	< .95	8.77	.301	.268	2.21	16.6
S33	5/7/2004	0 - .5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2.5	2.3	1.33	< 2.5	< 6.3	.339	2.78	3.41	16.4	**20.3**	46.8	16.2	11.3	21.4	4.64	27.5	.307	19.7	.791	1.29	8.07	29.5

Table 7.
Surface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i) Perylene ***	Benzo(k)Fluoranthene	Chrysene	Dibenzo (a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			6,120	9,800 *	10,000	10,000	10,000	1,922.89	10,000	690 *	980 *	4,142.86	483.33	10,000	2,800 *	10,000	79.45	7.94	79.45	***	794.52	7,945.21	7.95	10,000	10,000	79.45	1,600 *	10,000	1,200 *	10,000
Location ID	Sample Date	Depth Interval																												
S34	5/7/2004	0 - .5	< .18	< .18	< .18	< .18	< .18	< .18	< .37	.108	.0527	< .37	< .92	< .18	.54	.401	1.2	1.44	2.05	1.11	1.16	1.69	.322	1.92	< .18	1.2	< .18	.0444	.38	1.94
S35	5/7/2004	0 - .5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	2.41	.711	< 4.2	< 10	.888	10.6	9.7	36.2	**34.4**	44.5	18.2	24.5	38.1	6.28	67.7	.934	21.6	.42	1.05	10.6	51.7
S35-N	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.3	--	--	--	--	--	--	--	--	--	--	--	--
S35-E	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	--	--	--	--	--	--	--	--	--	--	--	--
S35-S	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--
S35-W	2/27/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.1	--	--	--	--	--	--	--	--	--	--	--	--
S36	5/7/2004	0 - .5	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.9	3.06	.581	< 3.9	< 9.7	< 1.9	15.5	13.3	41.8	**44.4**	73.8	26.7	34.2	51.5	**9.48**	51.1	.676	32.1	< 1.9	.433	6.87	58.2
S37	5/7/2004	0 - .5	< .81	< .81	< .81	< .81	< .81	< .81	< 1.6	.358	.254	< 1.6	< 4.1	< .81	2.39	1.37	6.89	**9.95**	15.6	11.2	4.82	8.54	2.95	7.87	< .81	11.5	.235	.29	1.81	9.73
S38	5/7/2004	0 - .5	< .25	< .25	< .25	< .25	< .25	< .25	< .5	.185	< .25	< .5	1.09	< .25	.568	.402	2.02	2.42	4.52	3.37	1.4	3.12	.741	2.87	< .25	3.35	< .25	< .25	.434	3.34
S39	5/7/2004	0 - .5	< .19	< .19	< .19	< .19	< .19	< .19	< .38	.204	.0974	< .38	< .95	< .19	.506	.485	1.44	2.11	3.52	2.39	1.12	1.92	.587	1.63	.0437	2.76	.106	.0858	.561	2.08
S40	5/7/2004	0 - .5	< .43	< .43	< .43	< .43	< .43	< .43	< .86	.415	.26	< .86	.967	.161	.969	1.62	3.55	3.83	6.11	4.97	1.86	4.31	1.24	5.86	.194	5.59	.124	.284	1.92	5.72
S41	5/7/2004	0 - .5	< .22	< .22	< .22	< .22	< .22	< .22	< .43	.11	.0738	< .43	< 1.1	.0785	.497	.422	2.65	3.36	4.75	3.18	1.39	2.86	.831	3.21	.0809	3.55	.0445	.106	.76	3.73
S42	5/7/2004	0 - .5	< .22	< .22	< .22	< .22	< .22	< .22	< .44	.137	.0593	< .44	< 1.1	.048	.457	.567	1.23	1.5	1.83	.913	1.18	1.7	.275	1.72	< .22	1.01	< .22	.0598	.533	1.62
S43	5/7/2004	0 - .5	< .88	< .88	< .88	< .88	< .88	< .88	< 1.8	1.14	.357	< 1.8	< 4.4	< .88	2.9	3.36	9.21	7.87	11.6	4.79	7.34	11.2	1.56	19.8	.269	5.91	.225	.293	5.78	15.3
S44	5/7/2004	0 - .5	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 10	2.49	5.09	< 10	< 25	3.22	13.5	11	34.3	**54.4**	**104**	35	49.7	51.7	**11**	47.6	1.26	45.8	1.87	5.25	15.9	52.4
S44-N	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	--
S44-E	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--
S44-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.68	--	--	--	--	--	--	--	--	--	--	--	--
S44-S	2/26/2013	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.3	--	--	--	--	--	--	--	--	--	--	--	--
S45	5/7/2004	0 - .5	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.187	.11	< .4	< 1	.0488	1.56	1.1	3.62	4.23	6.12	3.87	4.71	4.62	1.26	4.08	.0442	4.85	.0848	.107	.727	4.82
S46	5/7/2004	0 - .5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.155	.121	< .42	< 1	< .21	.301	.323	1.74	1.9	3.65	1.97	1.08	2.38	.527	3.02	.0445	2.35	.0699	.0712	1.1	3.13
S47	5/7/2004	0 - .5	< .21	< .21	< .21	< .21	< .21	< .21	< .43	.299	.199	< .43	< 1.1	.0653	1.44	1.09	2.45	2.91	5.31	2.57	2.96	3.57	.896	4.17	.0575	4.22	.0991	.138	1.74	4.21
S48	5/7/2004	0 - .5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	2.03	1.37	< 4.1	< 10	.815	8.31	7.28	12.4	**16.7**	21.7	16.9	12.4	15.7	5	25.3	.535	19	.523	1.01	9.59	21.4
S49	5/7/2004	0 - .5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	<2.1	< 4.2	4.44	.895	< 4.2	< 11	2.79	.658	7.49	40.6	**50.4**	61.5	44.2	17.8	39.9	**10.3**	59.4	1.71	52	< 2.1	< 2.1	24.1	61.4
S50	5/7/2004	0 - .5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 2.1	.954	.808	< 2.1	< 5.3	.263	5.13	4.96	6.82	**12.2**	17.2	12.2	9.99	9.04	3.61	10.4	< 1.1	13.1	.328	.668	4.52	9.6
S51	5/7/2004	0 - .5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	1.49	< 5.5	< 11	< 28	< 5.5	5.57	3.7	9.66	**12.9**	17.9	9.5	13.3	13.7	< 5.5	17.8	< 5.5	10.7	< 5.5	< 5.5	5.92	15.5
S52	5/7/2004	0 - .5	< .4	< .4	< .4	< .4	< .4	< .4	< .8	.676	.369	< .8	< 2	.0839	2.03	1.6	3.18	4.07	6.71	3.2	3.54	4.52	.989	6.51	< .4	3.68	.222	.317	2.49	5.27
S53	5/7/2004	0 - .5	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	1.27	1.26	< 2.1	< 5.2	.359	4.21	3.93	8.07	**9.47**	13.1	9.34	8.48	9.64	1.95	18.1	.225	9.92	.533	.95	8.56	14.9
S54	5/7/2004	0 - .5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 2.2	1.85	1.19	< 2.2	< 5.6	.552	7.55	7.01	10.9	**16**	26.4	15.6	11.9	15	4.22	20.5	.391	18	.47	1.15	6.45	18.7
VAT1	8/8/2003	0 - 2	< .83	< .83	< .83	< .83	< .83	< .83	< 1.7	.529	.196	< 1.7	< 4.2	< .83	.934	1.05	6.21	6.3	9.69	4.02	3.12	7.07	1.1	11.5	.24	4.76	< .83	.171	4.11	9.36
VAT2	8/8/2003	0 - 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	< 2.1	< 2.1	< 4.2	< 10	< 2.1	1.6	.989	5.8	**8.09**	10.9	5.19	3.29	6.43	1.33	6.54	< 2.1	5.83	< 2.1	< 2.1	1.28	6.91
VAT3	8/8/2003	0 - 2	< .79	< .79	< .79	< .79	< .79	< .79	< 1.6	.161	< .79	< 1.6	< 4	< .79	1.17	.848	5.14	6.71	7.65	4.77	2.39	5.65	1.16	6.02	< .79	4.91	< .79	< .79	1.05	7.58
WALL1	8/5/2003	0 - 2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.6	1.37	.376	< 3.6	< 9.1	< 1.8	6.47	4.03	17.2	**18**	24.6	10.9	15.1	20.3	4.04	35.6	< 1.8	12.9	< 1.8	< 1.8	6.66	26.3
WALL2	8/5/2003	0 - 2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 2.7	.698	.306	< 2.7	< 6.8	< 1.4	4.23	2.82	10.4	**11.5**	15.5	7.25	9.41	12	2.82	18.6	< 1.4	8.76	< 1.4	.37	3	14.8
WALL3	8/5/2003	0 - 2	< .96	< .96	< .96	< .96	< .96	< .96	< 1.9	.474	.629	< 1.9	< 4.8	.402	2.1	4.28	7.9	7.67	8.05	3.87	6.43	9.45	1.63	14.1	.557	4.72	< .96	.625	3.3	8.87

Notes:

BOLD	Exceeds Tier II Non-residential Cleanup Goal
*	Cleanup goals with an asterisk are taken form the January 31, 2006 IDEM RISC Technical Guide Appendix 1, since the Constituents did not have cleanup goals in the 1996 VRP Guidance Manual
***	Benzo(g,h,i)perylene does not have a cleanup goal in the 1996 VRP Guidance Manual or in the current IDEM RISC Technical Guide Appendix 1, dated January 26, 2006.
	Soil boring location has been excavated

Table 8.
SubSurface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			15.12	25 *	375.93	427.24	658.78	30.65	10,000	20 *	65 *	1406.3	24.947	10,000	180 *	10,000	103.88	69.9	354.98	***	3759.1	10,000	69.86	10,000	10,000	629.2	42 *	10,000	170 *	10,000
Location ID	Sample Date	Depth Interval																												
Area-J-CS-1	1/20/2012	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	0.651	0.191	<0.16	<0.16
Area-J-CS-2	1/20/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	0.345	<0.17	0.203	0.238	0.634	0.676	0.335	0.352	0.388	0.0953	0.577	0.339	0.491	<0.17	<0.17	0.877	0.383
Area-J-CS-3	1/20/2012	5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	**20.2**	44.6	<4.2	<21	55.4	<10	32.6	26.9	17.6	20.9	9.21	13.3	24.9	2.7	101	65.2	10.8	**47.3**	142	**183**	84.4
Area-J-CS-4	1/31/2012	5	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	**44.4**	**132**	<17	<17	125	8.83	85.7	53.3	27.9	27.4	10.4	20.9	46.4	2.96	207	150	15.9	**122**	594	**565**	137
Area-J-CS-5	1/31/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	<0.17	<0.17	<0.17	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.17	<0.17	<0.033	<0.17	<0.17	<0.17	<0.17
Area-J-CS-6	2/1/2012	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.33	<0.16	<0.16	<0.16	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.16	<0.16	<0.033	<0.16	<0.16	<0.16	<0.16
Area-J-CS-7	2/2/2012	5	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	14.6	36.8	<7.7	<1.5	42.6	2.44	20.7	21	10.9	11.2	4.14	6.93	17.9	0.943	79.2	48.1	6.48	26.3	78.3	135	53.2
Area-J-CS-8	2/3/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.531	1.34	<0.42	<0.33	2	<0.17	0.429	0.118	0.112	0.101	0.0718	0.0865	0.119	<0.033	1.01	1.69	0.0868	2.63	9.07	3.88	0.628
Area-K-CS-1	12/19/2011	2	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.45	<0.36	<0.18	<0.18	<0.18	0.0401	0.0405	0.0562	<0.036	0.0408	0.0454	<0.036	<0.18	<0.18	<0.036	<0.18	<0.18	<0.18	<0.18
Area-K-CS-2	12/19/2011	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
Area-K-CS-3	12/19/2011	2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.31	<0.16	<0.16	<0.16	0.0331	0.0445	0.0474	<0.031	0.0343	0.0389	<0.031	<0.16	<0.16	0.0325	<0.16	<0.16	<0.16	<0.16
Area-K-CS-4	12/19/2011	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.42	<0.33	<0.17	<0.17	<0.17	0.409	0.531	0.582	0.331	0.395	0.431	0.0524	0.573	<0.17	0.42	<0.17	<0.17	<0.17	0.531
Area-K-CS-5	12/19/2011	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	0.198	0.219	0.223	0.117	0.177	0.215	<0.032	0.286	<0.16	0.149	<0.16	<0.16	<0.16	<0.16
Area-K-CS-6	12/19/2011	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
Area-L-CS-1	12/15/2011	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	<0.17	<0.17	<0.17	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.17	<0.17	<0.033	<0.17	<0.17	<0.17	<0.17
Area-L-CS-2	12/15/2011	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.34	<0.17	<0.17	<0.17	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.17	<0.17	<0.034	<0.17	<0.17	<0.17	<0.17
Area-L-CS-3	12/15/2011	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.34	<0.17	<0.17	<0.17	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.17	<0.17	<0.034	<0.17	<0.17	<0.17	<0.17
Area-L-CS-4	12/15/2011	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
Area-L-CS-5	12/15/2011	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	<0.16	<0.16	<0.16	0.0369	<0.033	0.0375	<0.033	0.0343	0.0452	<0.033	<0.16	<0.16	<0.033	<0.16	<0.16	<0.16	<0.16
Area-M-CS-1	1/12/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.34	<0.17	0.809	0.658	4.4	4.12	6.27	2.51	2.76	5	0.691	4.81	<0.17	3.09	<0.17	<0.17	0.528	5.29
Area-M-CS-2	1/12/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.322	<0.21	<0.42	<0.34	0.215	0.971	1.85	8.09	5.57	6.77	3	3.12	7.43	0.669	22	0.326	3.71	<0.17	<0.17	4.54	16.9
Area-M-CS-3	1/12/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	0.204	0.384	0.5	2.22	1.91	2.34	1.08	1.38	2.28	0.323	3.3	<0.16	1.28	<0.16	<0.16	0.664	3.14
Area-M-CS-4	1/13/2012	5	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	3.3	8.34	<0.83	<0.33	9.05	1.4	5.57	6.12	3.7	3.97	1.12	2.24	4.32	0.397	19.9	11	1.53	4.39	6.58	30.1	14.7
Area-M-CS-5	1/13/2012	5	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.44	<0.35	<0.17	<0.17	<0.17	0.342	0.35	0.469	0.164	0.26	0.361	0.0526	0.579	<0.17	0.201	<0.17	<0.17	<0.17	0.614
Area-N-CS-1	1/12/2012	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.34	<0.17	2.3	0.94	4.4	9.23	6.46	6.72	2.64	5.57	0.958	2.63	<0.17	5.84	0.87	<0.17	0.551	3.91
Area-N-CS-2	1/12/2012	2	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.43	<0.35	<0.17	2.62	1.17	5.86	8.15	4.99	2.51	2.17	7.03	0.767	4.31	0.363	2.72	0.713	<0.17	0.919	8.47
Area-N-CS-3	1/13/2012	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.42	<0.34	<0.17	1.99	1.11	6.54	8.78	7.58	2.35	2.53	6.4	0.804	6.01	0.251	2.93	0.439	<0.17	0.691	8.03
Area-O-CS-1	1/18/2012	2	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<1.6	9.25	0.416	2.19	2.18	14.7	15.5	18.8	7.8	13.8	25.4	2.57	20.4	0.472	12.5	<0.41	<0.41	3.33	23.9
Area-O-CS-2	1/18/2012	2	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<1.8	3.56	<0.45	1.88	2.21	8.49	8.66	12.2	6.02	6.11	10.5	1.87	15.4	<0.45	9.5	0.45	0.7	5.59	13.4
Area-O-CS-3	1/18/2012	2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	2.35	0.736	<0.42	1.33	0.323	2.52	8.77	7.01	11.6	13.7	8.72	3.12	9.53	2.21	11.3	0.645	12.8	0.425	0.802	3.31	9.74
Area-P-CS-1	1/17/2012	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	0.264	0.389	0.335	2.16	2.18	2.5	0.857	1.34	1.58	0.257	3.43	0.228	1.1	<0.16	<0.16	0.706	3.58
Area-P-CS-2	1/17/2012	5	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.44	<0.36	<0.18	<0.18	<0.18	0.0625	0.0925	0.0829	0.0597	0.0606	0.0716	<0.036	<0.18	<0.18	0.0585	<0.18	<0.18	<0.18	<0.18
Area-P-CS-3	1/17/2012	5	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	8.59	1.1	<1.8	<0.37	0.215	1.97	26.9	14	11	14.1	2.85	3.22	20.9	1.58	29.4	2.19	7.44	0.516	0.552	10.3	25.4
Area-P-CS-4	1/19/2012	5	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.37	2.33	<0.15	<0.15	0.211	0.513	0.612	0.799	0.464	0.514	0.596	0.103	0.903	<0.15	0.633	<0.15	<0.15	0.248	0.742
Area-P-CS-5	1/18/2012	5	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.41	<0.33	<0.16	<0.16	<0.16	0.765	0.685	0.828	0.338	0.535	0.793	0.0848	1.39	<0.16	0.493	<0.37	<0.37	1.32	1.11
Area-P-CS-6	1/18/2012	5	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.37	2.72	4.36	13.5	62.4	88.8	33	6.89	46.5	12	2.03	0.513	48.2	<0.37	<0.37	1.06	4.67
A1	4/3/2000	4 - 5	NA	NA	.045	.077	< .4	< .4	< .4	3.8	9.7	< .4	.28	9	1.7	5.4	5.2	2.6	3.1	1.1	2.2	4.2	.51	23	12	1.3	11	29	41	16
A2	4/3/2000	4 - 5	NA	NA	< .35	< .35	< .35	< .35	.43	.094	.12	.12	.21	.18	.13	.26	.18	.2	.22	.51	.17	.21	.16	.5	.21	.54	.039	.25	.58	.46
A3	4/3/2000	3 - 4.5	NA	NA	< .39	< .39	< .39	< .39	.092	.2	.29	.057	< 2	.32	.089	.43	.46	.39	.41	.26	.36	.47	.12	.98	.35	.28	< .39	.088	.41	.81
A4	8/8/2003	2 - 4	< 4.4	1.14	< 4.4	< 4.4	< 4.4	< 4.4	< 8.8	4.54	4.45	< 8.8	< 22	6.15	10.1	18.4	33.1	38.2	42.4	19.6	33.5	36.5	7.99	55.2	6.32	24.6	8.44	51.2	21.2	44.2
A4	4/3/2000	5 - 6	NA	NA	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	**86**	**130**	< 2.4	2.5	230	24	270	**210**	**160**	130	44	140	260	26	610	220	65	46	70	**530**	430
A4E	8/8/2003	5 - 6	< 97	< 97	< 97	< 97	< 97	< 97	< 190	**574**	**1660**	< 190	**< 490**	1880	580	1010	**867**	**575**	**565**	200	492	761	66.5	2820	2060	257	**2280**	7010	**4820**	1890
A4N	8/5/2003	4 - 5	< 8.2	< 8.2	< 8.2	< 8.2	< 8.2	< 8.2	< 16	8.89	12.2	< 16	**< 41**	14.2	5.23	27.8	31.4	47.8	65.8	22.6	21.3	43.9	6.09	46.3	15.9	28.2	15.8	46.9	43	40
A4S	8/8/2003	4 - 5	**< 100**	**< 100**	< 100	< 100	< 100	**< 100**	< 200	**1060**	**1120**	< 200	**< 510**	1300	200	2460	**545**	**344**	311	116	276	686	< 100	1980	1500	153	**1870**	**12400**	**3910**	1210
A4W	8/8/2003	3 - 4	< 16	< 16	< 16	< 16	< 16	< 16	< 32	74.8	**69.2**	< 32	**< 80**	72	11.3	231	36.3	35.3	36.2	16.3	26.8	83.8	< 16	114	92.2	20.6	**48.9**	172	**202**	72.1
A5	4/3/2000	4 - 4.5	NA	NA	< .38	< .38	< .38	< .38	< .38	.25	.38	.062	< 2	.32	.24	1	1.3	1.3	1.5	.7	1.2	1.6	.34	2.8	.43	.83	< .38	.066	.8	2.5
A6	4/3/2000	3 - 4.5	NA	NA	< .36	< .36	< .36	< .36	< .36	.1	.14	.056	< 1.9	.16	.083	.44	.52	.48	.46	.24	.43	.67	.12	1.1	.19	.27	.037	.04	.74	.94
A7	4/3/2000	4 - 6	NA	NA	.048	< .42	< .42	< .42	< .42	3.1	2.5	.066	< 2.2	2.8	.34	8.6	1.6	1	.98	.74	1.1	1.9	.3	6.9	3.8	.81	1.2	3.1	13	4.7
A8	4/3/2000	4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	.064	.17	.06	< 2.2	.51	.031	.14	.091	.12	.076	.23	.075	.092	.07	.37	.49	.24	< .42	.077	.39	.27
A9	4/3/2000	5 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	.42	.21	.27	< 2.1	.25	< .42	1.2	.3	.27	.24	.17	.3	.39	.088	.8	.22	.18	.097	.25	.35	.75
A10	4/3/2000	6 - 7	NA	NA	< 42	< 42	< 42	< 42	< 42	430	63	< 42	**< 220**	18	4.6	840	31	25	22	13	25	65	5.3	100	160	16	37	44	**260**	75
A10N	8/7/2003	5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .41	< .2	.086	< .41	< 1	.0937	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	.0641	< .2	.0544	.223	.198	< .2
A10S	8/7/2003	5 - 7	< 4	< 4	< 4	< 4	< 4	< 4	< 8	21.8	52	< 8	< 20	56	5.82	41.6	18.6	8.96	10.3	2.94	7.75	17.4	< 4	117	65.9	3.88	**69.1**	146	**207**	58.8
A11	4/3/2000	4 - 6	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< 2.2	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43
A12	4/3/2000	4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	1	.61	< .41	< 2.1	.42	< .41	.28	.047	< .41	< .41	< .41	< .41	.05	< .41	.55	.93	< .41	.12	.79	1.5	.38
A13	4/3/2000	8 - 10	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	.2	< 2.2	< .43	.038	.045	.15	.19	.23	.21	.2	.2	.08	.2	< .43	.2	< .43	< .43	.072	.18
A14	8/5/2003	5 - 6	< .22	< .22	< .22	< .22	< .22	< .22	< .44	10.6	4.07	< .44	< 1.1	3.89	.624	28.4	1.88	1.26	1.34	.599	1.04	2.52	.212	9.34	7.58	.718	1.72	6.76	17.5	4.71
A15	8/5/2003	6 - 8	< .22	.0662	< .22	< .22	< .22	< .22	< .45	6.27	5.37	< .45	< 1.1	5.43	.867	4.81	2.33	2.02	2.4	1.19	1.46	2.78	.413	9.56	8.52	1.42	2.62	20	18.1	5.22
A16	8/5/2003	5 - 6	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.2	**69.7**	**77.9**	< 4.2	< 10	101	5.89	178	29.6	14.1	20.5	4.68	7.04	28.9	1.3	167	109	5.86	**47.3**	221	**312**	93.9
B1	4/4/2000	2 - 3	NA	NA	< .45	< .45	< .45	< .45	< .45	2.8	2	< .45	< 2.3	.43	3.9	5.5	19	14	23	11	9.9	24	.87	36	.72	12	1.1	2.3	12	29
B1E	8/7/2003	6 - 8	< 42	< 42	< 42	< 42	< 42	< 42	< 83	**75.6**	201	< 83	**< 210**	209	39.5	150	56.2	32.1	32.7	< 42	25.8	57.7	< 42	265	227	< 42	**253**	743	**509**	152
B1S	8/7/2003	5 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.104	.448	< .42	< 1	.198	.106	.215	.257	.248	.342	.168	.282	.319	< .21	.742	.191	.199	.309	1.05	1.34	.5
B2	4/4/2000	6 - 7	NA	NA	< .48	< .48	< .48	< .48	< .48	3.3	8.9	.36	< 2.4	10	< .48	8.6	3.7	2	1.7	.79	1.5	3.5	.4	13	11	.86	.48	1.8	30	9.7
B3	4/4/2000	4 - 6	NA	NA	< .4	< .4	< .4	< .4	< .4	1.2	3.8	< .4	< 2	4.2	.46	2.1	2	1.2	1	.93	1	1.7	.41	8.8	4.6	.98	3	6.9	17	6
B3	8/7/2003	6 - 8	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 8.5	13.4	33.6	< 8.5	< 21	36.7	4.99	28	9.35	5.36	4.75	1.77	4.26	10.6	< 4.2	48.7	40.1	2.42	37	100	90.9	26.7

Table 8.
SubSurface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential	15.12	25 *	375.93	427.24	658.78	30.65	10,000	20 *	65 *	1406.3	24.947	10,000	180 *	10,000	103.88	69.9	354.98	***	3759.1	10,000	69.86	10,000	10,000	629.2	42 *	10,000	170 *	10,000
Location ID / Sample Date / Depth Interval																												
B3S 8/7/2003 7 - 8	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 9.2	19.5	28.1	< 9.2	< 23	32.9	6.47	55.8	15.5	12.7	14.5	6.29	11.6	19.5	< 4.6	65.9	38	7.75	25.5	68.1	90.8	38.1
B3W 8/7/2003 4 - 6	< 130	< 130	< 130	< 130	< 130	< 130	< 260	**867**	**999**	< 260	**< 650**	937	209	1990	**290**	**161**	164	64.9	136	356	< 130	1390	1230	81.5	**1260**	**4000**	**2800**	771
B8 4/3/2000 2 - 3	NA	NA	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	.64	.35	< 2.2	19	.44	7	5	25	30	23	18	19	32	7.6	31	1	20	.3	.39	4.4	39
B9 4/4/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	.28	< .41	< .41	< 2.1	< .41	< .41	.53	< .41	.23	< .41	< .41	< .41	< .41	< .41	< .41	.23	< .41	< .41	< .41	< .41	< .41
B9 8/7/2003 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .41	.293	.0569	< .41	< 1	.0454	< .2	.14	< .2	< .2	< .2	< .2	< .2	< .2	< .2	.201	.971	< .2	< .2	< .2	.0885	.113
B9E 8/7/2003 5 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.0923	.196	< .42	< 1.1	.304	< .21	.116	.103	.056	.0543	< .21	.0538	.0923	< .21	.528	.388	< .21	.0769	.133	.897	.315
B9N 8/7/2003 4 - 5	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	.0444	.0601	.0979	< .19	.0574	.0602	< .19	.106	< .19	< .19	< .19	< .19	< .19	.0801
B9S 8/7/2003 6 - 7	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 8.5	9.72	53.5	< 8.5	< 21	64.8	3.25	19.3	16.5	9.33	9.26	2.79	8.13	12.9	< 4.2	75.8	60	4.1	**53.5**	120	142	47.2
B9W 8/7/2003 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .41	< .2	< .2	< .41	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
B10 8/5/2003 4 - 6	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 16	26.6	42.8	< 16	**< 39**	47	7.32	78.6	50	44.7	63.7	17.5	22.4	54.6	5.49	131	68.1	21.6	32	54.4	**187**	93.3
B10 4/4/2000 4 - 6	NA	NA	< .39	< .39	< .39	< .39	< .39	.029	< .39	.064	< 2	< .39	.13	.049	< .39	.25	.15	.48	.13	< .39	.17	.043	< .39	.48	< .39	< .39	< .39	.075
B10S 8/7/2003 3 - 5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	< .21	< .21	< .21	< .21	.0564	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
B10W 8/5/2003 3 - 4.5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	9.21	45.9	< 4.1	< 10	49.2	1.98	28.3	21.6	12.8	16.8	4.31	5.68	18.3	1.54	80.9	64.2	5.28	30.3	80.5	**180**	50
B12 4/4/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	.24	< .41	.022	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
B13 4/3/2000 6 - 7	NA	NA	< .42	< .42	< .42	< .42	< .42	.034	< .42	.093	< 2.2	< .42	.042	.066	.06	.058	.059	.12	.05	.068	< .42	.11	< .42	.11	< .42	< .42	< .42	.099
C1 4/4/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
C2 4/5/2000 6 - 7	NA	NA	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	45	200	< 8.7	< 45	230	10	150	**120**	**70**	76	28	50	130	13	500	260	28	**84**	200	840	390
C4 4/5/2000 4 - 5	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	.43	< .41
C5 4/5/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
C6 4/5/2000 5 - 7	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
C7 4/5/2000 7 - 8	NA	NA	< .43	< .43	< .43	< .43	< .43	.3	.89	.073	< 2.2	1	.033	.38	.96	.73	1.3	.39	.87	1.4	.17	4	1.1	.54	< .43	.15	3.5	3
C8 4/5/2000 5 - 7	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	.052	.074	.12	.062	.12	.09	< .41	.056	< .41	< .41	< .41	< .41	.023	< .41
D1 4/5/2000 5 - 7	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
D2 4/5/2000 5 - 7	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	.1	< 2.1	< .4	< .4	< .4	.18	.2	.33	.16	.21	.27	< .4	.3	< .4	.19	< .4	< .4	.055	.3
D3 4/5/2000 5 - 7	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	.094	< .38
D4 4/5/2000 6 - 7	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.1	< .42	< .42	< .42	.36	.3	.42	< .42	< .42	.4	< .42	.9	< .42	< .42	< .42	< .42	.33	.71
D5 4/5/2000 6 - 8	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	.11	< 2	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39
D6 4/5/2000 7 - 8	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
D7 4/5/2000 2 - 4	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	.38	.52	.35	.3	.2	.47	< .4	.48	< .4	.26	< .4	< .4	.35	.6
D8 4/5/2000 2 - 4	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	.32	< .42
D9 8/6/2003 3.5 - 5.5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
D10 8/6/2003 4 - 6	< 9.1	< 9.1	< 9.1	< 9.1	< 9.1	< 9.1	< 18	34.5	64.7	< 18	< 45	83.4	6.85	105	39.2	24.3	24.3	7.07	21.4	56.2	< 9.1	138	95.4	10.8	**59**	152	254	91.8
E1 4/6/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
E2 4/4/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	.034	.035	.045	.052	.052	.16	.039	.036	.07	.086	< .42	.12	< .42	< .42	.069	.087
E2E 8/6/2003 4.5 - 5	< .22	< .22	< .22	< .22	< .22	< .22	< .43	.0642	.222	< .43	< 1.1	1.81	< .22	.629	.124	.102	.117	< .22	< .22	.104	< .22	1.52	2.47	< .22	.0615	.276	3.64	.867
E2S 8/6/2003 4 - 4.5	< .21	< .21	< .21	< .21	< .21	< .21	< .43	.0576	.045	< .43	< 1.1	.0981	< .21	< .21	< .21	< .21	.0472	< .21	< .21	< .21	< .21	< .21	< .21	< .21	.136	2.12	< .21	< .21
E3 4/5/2000 2 - 3	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< 2	< .38	.48	.76	4.5	2.8	4	1.5	3.1	4.9	.78	10	< .38	1.6	< .38	< .38	1.2	9.2
E4 4/5/2000 2 - 3.5	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
E4W 8/6/2003 4 - 4	< 40	**< 40**	< 40	< 40	< 40	< 40	< 79	17.6	148	< 79	**< 200**	233	21.5	89.4	**133**	**80.1**	87.1	29.1	69.5	98.7	< 40	568	248	36.5	**52.7**	94.8	702	351
E5 4/5/2000 4 - 6	NA	NA	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< 2.4	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47	< .47
E6 4/5/2000 4 - 6	NA	NA	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< 2.3	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44
E7 4/5/2000 4 - 6	NA	NA	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< 2.3	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45	< .45
E8 4/5/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
E9 8/6/2003 4 - 6	< 36	**< 36**	< 36	< 36	< 36	< 36	< 73	24.6	117	< 73	**< 180**	156	12	68	62.1	37.2	37.9	< 36	35.3	50.8	< 36	280	173	19	110	297	472	164
F1 4/6/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
F2 4/6/2000 4 - 6	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39
F3 4/6/2000 5 - 7	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
F4 4/6/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	.03	< .42	.12	< 2.2	.047	< .42	< .42	.27	.16	.19	.18	.23	.34	< .42	.22	< .42	.15	< .42	< .42	.044	.17
F5 4/6/2000 4.5 - 6.5	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	.21	< .39	< .39	< .39	< .39	.26	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39
F6 4/6/2000 3 - 5	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
F7 4/4/2000 4 - 6	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39
F8 4/6/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
G1 4/6/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	.36	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
G2 4/6/2000 2 - 4	NA	NA	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	6	36	.4	< 12	58	1.1	16	16	8	8.8	2.2	6.8	14	1	77	44	2.8	19	64	160	54
G3 4/6/2000 4 - 6	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39
G4 4/6/2000 4 - 6	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.1	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
G5 4/6/2000 3.5 - 5.5	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	.12	< 2.1	< .41	< .41	< .41	.041	.044	.046	.048	< .41	.049	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
G6 4/4/2000 3 - 5	NA	NA	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< .39	< 2	< .39	< .39	< .39	< .39	.48	.53	.36	.27	< .39	< .39	< .39	< .39	< .39	.37	< .39	< .39	< .39	< .39
G7 4/4/2000 3 - 5	NA	NA	< .39	< .39	< .39	< .39	< .39	.57	.22	< .39	< 2	.32	< .39	.99	.37	.31	.3	.2	< .39	.36	< .39	1.4	2.2	.21	< .39	< .39	.54	1.8
G7E 8/5/2003 4.5	< 2	< 2	< 2	< 2	< 2	< 2	< 3.9	.652	12.4	< 3.9	< 9.8	17.7	2.15	8.55	9.86	6.16	6.25	2.75	4.29	9.41	1.08	46	29.9	3.43	< 2	< 2	38.7	25.2
G8 4/6/2000 4 - 6	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
H1 4/6/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	.071	< 2.1	< .41	< .41	< .41	.029	< .41	.031	< .41	< .41	.035	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
H2 4/6/2000 2 - 4	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< 2.2	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43
H3 4/6/2000 4 - 6	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
H4 4/6/2000 6 - 8	NA	NA	< .38	< .38	< .38	< .38	< .38	< .38	< .38	.095	< 2	< .38	< .38	< .38	.026	< .38	.031	< .38	< .38	.03	< .38	< .38	< .38	< .38	< .38	< .38	< .38	< .38
H5 4/6/2000 2 - 4	NA	NA	< 4	< 4	< 4	< 4	< 4	40	**190**	< 4	< 21	200	32	66	69	41	42	18	40	70	9.6	260	250	20	**160**	450	**640**	190

Table 8.
SubSurface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential	15.12	25 *	375.93	427.24	658.78	30.65	10,000	20 *	65 *	1406.3	24.947	10,000	180 *	10,000	103.88	69.9	354.98	***	3759.1	10,000	69.86	10,000	10,000	629.2	42 *	10,000	170 *	10,000
Location ID / Sample Date / Depth Interval																												
H6 4/11/2000 5 - 7	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
H7 4/11/2000 4 - 6	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< 2.1	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41	< .41
H8 4/6/2000 5 - 7	NA	NA	< .39	< .39	< .39	< .39	< .39	.039	< .39	< .39	< 2	< .39	< .39	< .39	1.5	1.6	2.1	1	1.7	1.9	.44	1.8	< .39	1.2	< .39	< .39	.27	1.8
I1 4/11/2000 7.5 - 9.5	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
I2 4/11/2000 5.5 - 7.5	NA	NA	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< 2.2	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44	< .44
I3 4/11/2000 6.5 - 8.5	NA	NA	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< 2.2	< .42	< .42	< .42	< .42	< .42	.22	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42	< .42
I4 4/11/2000 6 - 8	NA	NA	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< 2.4	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48	< .48
I5 4/11/2000 6 - 8	NA	NA	< .41	< .41	< .41	< .41	< .41	.23	1	< .41	< 2.1	1.5	< .41	.46	.61	.28	.34	.14	.22	.6	.064	3.4	1	.13	< .41	.21	4.1	2.4
I6 4/11/2000 7 - 9	NA	NA	< .41	< .41	< .41	< .41	< .41	< .41	.22	.5	< 2.1	.23	.76	.64	4.8	3.8	4.4	2	3.3	4.9	.96	7.8	.38	2.3	< .41	< .41	2.8	6.7
I7 4/11/2000 7 - 9	NA	NA	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< 2.2	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43	< .43
I8 4/11/2000 6 - 8	NA	NA	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< 2.1	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4
J1 8/20/2003 6 - 8	< 4	< 4	< 4	< 4	< 4	< 4	< 8	13.1	**71.5**	< 8	< 20	79	9.66	37.2	36.3	23.4	22.1	8.44	19.2	28.9	2.32	145	86.8	10.1	4.87	127	242	80.5
J2 8/20/2003 4 - 6	< .2	< .2	< .2	< .2	< .2	< .2	< .39	.165	.0611	< .39	< .98	.0525	.0677	.412	.202	.171	.238	.11	.146	.287	< .2	.843	.0979	.126	< .2	.0897	.401	.469
J3 8/20/2003 4 - 6	< .78	< .78	< .78	< .78	< .78	< .78	< 1.6	1.63	5.46	< 1.6	< 3.9	8.41	.403	3.55	2.93	1.63	1.78	.594	1.22	2.58	< .78	14.9	8.95	.734	1.99	.713	24	8.69
J4 8/21/2003 3.5 - 5.5	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 4.6	< 2.3	19.1	< 4.6	< 12	27.7	.992	11.3	16.1	10.1	13.3	3.71	4.98	11.2	< 2.3	73.6	31.1	4.62	< 2.3	< 2.3	112	43.5
J5 8/21/2003 4 - 6	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	.0639	.0774	.113	< .2	.0416	.0726	< .2	.119	< .2	< .2	< .2	< .2	.0509	.0858
J6 8/21/2003 9 - 11	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
J7 8/21/2003 9 - 11	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	< .22	< .44	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
J8 8/21/2003 7 - 9	< .2	< .2	< .2	< .2	< .2	< .2	< .41	< .2	< .2	< .41	< 1	< .2	.107	.105	.39	.511	.638	.356	.408	.457	.0812	.813	< .2	.413	< .2	< .2	.272	.566
J9 8/21/2003 4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	< .21	< .21	.123	.264	.372	.122	.123	.148	< .21	.0876	< .21	.167	< .21	< .21	.0474	< .21
J10 8/20/2003 4 - 6	< .2	< .2	< .2	< .2	< .2	< .2	< .39	.919	1.88	< .39	< .99	2.32	.185	1.3	1.03	.654	.631	.258	.558	1.09	.088	4.33	2.57	.302	.286	2	7.73	2.53
J11 8/21/2003 2 - 4	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
K1 8/21/2003 7 - 9	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
K2 8/21/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
K3 8/21/2003 4 - 6	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .96	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
K4 8/21/2003 8 - 10	< .27	< .27	< .27	< .27	< .27	< .27	< .54	< .27	< .27	< .54	< 1.4	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27	< .27
K5 8/21/2003 3 - 5	< .2	< .2	< .2	< .2	< .2	< .2	< .4	2.14	12.7	< .4	< 1	13.5	1.11	6.11	7.73	4.06	5.42	1.83	1.7	6.73	.468	33.8	15.2	2.25	< .2	.1	40.7	21.5
K7 8/21/2003 5 - 7	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
K8 8/21/2003 5 - 7	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
K9 8/20/2003 4.5 - 6.5	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
L1 8/20/2003 4 - 5	< .19	< .19	< .19	< .19	< .19	< .19	< .39	< .19	< .19	< .39	< .97	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
L2 8/20/2003 3 - 4	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
L3 8/20/2003 4 - 6	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	.0416	.0573	.0517	< .18	< .18	.041	< .18	.0642	< .18	< .18	< .18	< .18	< .18	< .18
L4 8/20/2003 5 - 7	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 9.6	6.92	32	< 9.6	< 24	34.5	2.51	11	14.7	8.7	8.98	3.11	6.68	12.6	< 4.8	68.8	36.5	3.85	23.7	62.2	110	38.6
L5 8/20/2003 4 - 6	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 3.5	1.33	6.41	< 3.5	< 8.6	6.62	.391	2.27	3.98	2.74	4.23	1.35	1.49	3.49	< 1.7	16.6	7.34	1.6	4.92	9.67	26.8	10.6
L6 8/21/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .39	< .19	< .19	< .39	< .96	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
L7 8/21/2003 6 - 8	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< .99	< .2	< .2	< .2	.0666	.0557	.0791	< .2	.0673	.0652	< .2	.116	< .2	< .2	< .2	< .2	< .2	.0831
L8 8/21/2003 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	.0683	< .2	< .2	< .2
L9 8/21/2003 5 - 7	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .92	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18	< .18
L10 8/21/2003 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
L11 8/21/2003 5 - 7	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	.0514	< .21	< .21	< .21	< .21	.048	< .21	< .21	< .21	< .21	< .21	< .21
L12 8/21/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .39	< .19	< .19	< .39	< .97	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
L13 8/21/2003 8 - 10	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .91	< .18	< .18	< .18	< .18	< .18	.0477	< .18	< .18	< .18	< .18	.0493	< .18	< .18	< .18	< .18	< .18	< .18
LAGOON A1 8/8/2003 8 - 10	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
LAGOON A2 8/8/2003 10 - 11	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 18	5.28	24.1	< 18	< 44	31.8	< 8.8	8.67	11.4	5.83	8.02	< 8.8	2.67	7.95	< 8.8	52.5	30	< 8.8	25.8	106	92.3	30.8
LAGOON A3 8/8/2003 8 - 10	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	< .22	< .44	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	.187	< .22	< .22	< .22	< .22	< .22	.121
LAGOON B1 8/8/2003 8 - 8.5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1	.0596	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	.0815	< .21	< .21	< .21	< .21	< .21	< .21
LAGOON B2 8/8/2003 6.5 - 8.5	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	.153	.206	.13	.0916	.111	< .22	.082	.141	< .22	.5	.145	< .22	< .22	< .22	< .22	.357
LAGOON B3 8/8/2003 6 - 8	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	.0623	< .2	< .2	< .2	< .2	< .2	< .2
M1 8/20/2003 8 - 10	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .94	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
M2 8/20/2003 6 - 8	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< .99	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
M3 8/20/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .39	< .19	< .19	< .39	< .97	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
M4 8/20/2003 4 - 6	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	.0577	< .2	< .2	.0487	< .2	.0559	< .2	< .2	< .2	< .2	< .2	< .2
M5 8/20/2003 5 - 7	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	< .22	< .22	.0688	.0682	.106	< .22	.0813	.0852	< .22	.146	< .22	< .22	< .22	< .22	.0779	.115
M6 8/20/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
M7 8/20/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
M8 8/20/2003 8 - 10	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
M9 8/21/2003 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .95	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
MW-14S 7/30/2003 1 - 4	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .94	< .19	.0408	.0999	.155	.151	.239	.129	.0841	.182	< .19	.259	< .19	.15	< .19	< .19	.114	.194
MW-14D 7/30/2003 2 - 4	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.0921	.0461	< .4	< .99	< .2	.212	.365	.706	.764	1.21	.705	.385	.846	.181	1.05	.044	.811	< .2	.0642	.337	.884
MW-14D 7/30/2003 4 - 5	< .19	< .19	< .19	< .19	< .19	< .19	< .39	.0902	.0846	< .39	< .97	.095	.0703	.448	.517	.64	.661	.449	.238	.59	.0937	.878	.118	.499	.0804	.14	.535	.931
MW-14D 7/30/2003 5 - 5.75	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	15.7	91.2	< 3.8	< 9.6	111	3.62	25.5	25.3	12.7	15.8	6.09	6	20.6	1.76	130	103	7.39	**91.7**	248	271	85.6
MW-15S 7/31/2003 2 - 4	< .21	.0714	< .21	< .21	< .21	< .21	< .42	.601	1.26	< .42	< 1.1	1.42	< .21	.388	.205	.141	.204	< .21	.0754	.236	< .21	.765	1.06	.0903	1.79	2.89	1.75	.472
MW-15S 7/31/2003 4 - 5	< .2	.0717	< .2	< .2	< .2	< .2	< .41	.284	.392	< .41	< 1	.568	< .2	.693	.382	.241	.362	.105	.129	.663	< .2	1.22	.423	.126	.472	1.62	.887	.801
MW-15S 7/31/2003 5 - 6	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	15.2	19	< 3.8	< 9.6	22.6	2.86	9.07	7.38	3.71	4.87	1.35	1.84	6.05	< 1.9	31.4	26.7	1.7	21.6	96.8	68.1	21.2
MW-15D 7/31/2003 2 - 4	< .87	< .87	< .87	< .87	< .87	< .87	< 1.7	2.2	5.43	< 1.7	< 4.3	6.71	.258	3.06	2.07	1.02	1.4	.368	.523	2.24	< .87	9.23	6.95	.475	5.5	17.5	18.3	6.12

Table 8.
SubSurface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name			2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential			15.12	25 *	375.93	427.24	658.78	30.65	10,000	20 *	65 *	1406.3	24.947	10,000	180 *	10,000	103.88	69.9	354.98	***	3759.1	10,000	69.86	10,000	10,000	629.2	42 *	10,000	170 *	10,000
Location ID	Sample Date	Depth Interval																												
MW-15D	7/31/2003	4 - 5	< .21	.111	< .21	< .21	< .21	< .21	< .43	.901	1.49	< .43	< 1.1	1.91	.0585	1.07	.604	.301	.414	.107	.165	1.39	< .21	2.28	1.39	.129	.825	6.75	2.88	1.56
MW-15D	7/31/2003	5 - 6	< 1.9	.514	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	19.1	35.7	< 3.8	< 9.4	42.8	3.58	42	13.5	5.98	8.52	1.8	2.81	16.5	< 1.9	63.3	46.6	2.35	**43.7**	151	127	41
MW-16S	7/31/2003	2 - 4	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 4.1	33.7	79.9	< 4.1	< 10	87.6	7.96	71	20.1	9.61	12.5	3.82	4.46	19.3	1.07	92.7	92.1	4.72	**82.3**	271	202	59.9
MW-16S	7/31/2003	4 - 6	< 8.2	< 8.2	< 8.2	< 8.2	< 8.2	< 8.2	< 16	12	49.3	< 16	< 41	53.8	7.02	19.4	11.8	6.34	6.54	< 8.2	5.56	12.2	< 8.2	62.3	54.5	< 8.2	**52.2**	153	123	37.4
MW-16D	7/31/2003	2 - 4	< .21	< .21	< .21	< .21	< .21	< .21	< .42	1.65	.958	< .42	< 1	.561	< .21	.0996	< .21	< .21	< .21	< .21	< .21	< .21	.19	1.24	< .21	< .21	.29	1.25	.0983
MW-16D	7/31/2003	4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .41	.655	.808	< .41	< 1	.682	< .21	.131	< .21	< .21	< .21	< .21	< .21	< .21	< .21	.175	.918	< .21	< .21	.0557	1.48	< .21
MW-17S	7/31/2003	2 - 4	< .22	< .22	< .22	< .22	< .22	< .22	<.44	< .22	< .22	<.44	<1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
MW-17S	7/31/2003	4 - 6	<.19	<.19	<.19	<.19	<.19	<.19	<.37	<.19	<.19	<.37	<.93	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19	<.19
MW-17D	7/31/2003	4 - 8	< .22	< .22	< .22	< .22	< .22	< .22	<.44	< .22	< .22	<.44	<1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
MW-18S	8/1/2003	4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
MW-18D	8/1/2003	2 - 4	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
MW-19S	8/1/2003	2 - 4	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
MW-19D	8/1/2003	2 - 4	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	1.02	.487	2.53	3.86	4.83	1.79	2.05	3.01	.682	1.27	.0709	2.37	< .2	< .2	.183	1.23
MW-20S	10/24/2003	2 - 4	< .2	< .2	< .2	< .2	< .2	< .2	< .41	< .2	< .2	< .41	< 1	< .2	.195	.0994	.508	.72	.688	.531	.226	.59	.121	.501	< .2	.471	< .2	.0523	.185	.869
MW-20D	10/27/2003	3 - 5	<.21	<.21	<.21	<.21	<.21	<.21	<.41	0.0432	<.41	<.41	<1	<.21	0.149	0.112	0.573	0.842	0.901	0.724	0.276	0.686	0.141	0.773	<.21	0.672	<.21	<.0621	0.355	0.953
MW-21S	10/24/2003	2 - 4	< .22	< .22	< .22	< .22	< .22	< .22	< .44	< .22	.0556	.243	< 1.1	.0764	1.05	.385	1.53	3.29	2.43	2.54	.637	1.89	.552	1.09	< .22	2.16	.198	.182	.584	2.03
MW-21D	10/27/2003	2 - 4	<.21	<.21	<.21	<.21	<.21	<.21	<.41	0.0432	<.21	<.41	<1	<.21	.149 J	.112 J	0.573	0.842	0.901	0.724	0.276	0.686	0.141	0.773	<.21	0.672	<.21	0.0621	0.355	0.953
MW-23D	10/23/2003	2 - 4	< .22	< .22	< .22	< .22	< .22	< .22	< .45	.181	.0477	.612	< 1.1	.0693	.101	.236	1.44	1.81	2.7	1.85	.816	1.92	.339	3.03	.0809	1.89	< .22	< .22	1.3	3.05
MW-27A	8/5/2008	4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< .34	< .34	0.101	0.0744	0.548	0.635	0.836	0.344	0.21	0.521	0.0871	0.699	< .34	0.352	< .34	< .34	0.183	0.925
MW-27B	8/8/2008	2 - 4	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< .33	< .33	< .33	< .33	0.128	0.163	0.155	0.0954	0.0528	0.134	0.0187	0.144	< .33	0.0874	< .33	< .33	0.0462	0.212
MW-28A	1/5/2009	6 - 8	< .21	< .21	< .21	< .21	< .21	< .21	< .42	<. 21	< .21	< .42	< .33	< .33	< .33	< .33	< .033	0.0188	0.029	< .033	< .033	0.0205	< .033	< .33	< .33	< .033	< .33	< .33	< .33	< .33
MW-28B	1/12/2009	5 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< .34	< .34	< .34	< .34	0.0198	0.0299	0.0401	0.0212	< .034	0.0232	< .034	< .34	< .34	0.0207	< .34	< .34	< .34	< .34
MW-28C	1/14/2009	9 - 10	< .18	< .18	< .18	< .18	< .18	< .18	< .37	< .18	< .18	< .37	< .30	< .30	< .30	< .30	< .030	< .030	< .030	< .030	< .030	< .030	< .030	< .30	< .30	< .030	< .30	< .30	< .30	< .30
MW-29A	1/22/2009	6 - 8	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 10	12.7	50.1	< 10	< 8.2	61.9	2.58 J	28.8	11.4	4.67	6.91	1.32	2.25	11.1	0.471 J	62.3	65.8	1.7	**45**	93.7	132	37.4
MW-29B	2/3/2009	2 - 4	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**30.8**	**181**	< 21	< 33	181	8.46 J	64.8	44	19.1	30	4.52	10.2	41.9	1.60 J	230	173	6	134	298	**453**	145
MW-30A	10/12/2009	4 - 6	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.38	< 0.19	< 0.19	< 0.38	< 0.30	< 0.30	< 0.30	< 0.30	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.30	< 0.30	< 0.030	< 0.30	< 0.30	< 0.30	< 0.30
MW-30B	10/14/2009	4 - 6	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-30C	10/15/2009	4 - 6	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	0.0257 J	0.0323	0.0612	0.0182 J	0.0208 J	0.0322	< 0.032	0.0474 J	< 0.32	0.0246 J	< 0.32	< 0.32	< 0.32	0.0420 J
MW-31A	10/19/2009	4 - 6	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-31B	10/20/2009	2 - 4	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-31C	10/26/2009	2 - 4	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	0.0184 J	0.0249 J	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-32A	10/27/2009	2 - 4	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	< 0.22	< 0.22	< 0.44	< 0.35	< 0.35	< 0.35	< 0.35	0.0241 J	0.0326 J	0.00214 J	< 0.035	< 0.035	< 0.035	< 0.035	< 0.35	< 0.35	0.0192 J	< 0.35	< 0.35	< 0.35	< 0.35
MW-32B	4/9/2012	6 - 8	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.34	<0.17	<0.17	<0.17	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	<0.17	<0.17	< 0.034	<0.17	<0.17	<0.17	<0.17
MW-33A	11/2/2009	4 - 5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.41	< 0.21	< 0.21	< 0.41	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-33B	11/5/2009	2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	< 0.20	< 0.20	< 0.39	< 0.32	< 0.32	< 0.32	< 0.32	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.32	< 0.32	< 0.032	< 0.32	< 0.32	< 0.32	< 0.32
MW-33C	11/9/2009	8 - 10	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.45	< 0.23	< 0.23	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.36	< 0.36	< 0.036	< 0.36	< 0.36	< 0.36	< 0.36
MW-34A	11/18/2009	2 - 4	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	0.0421	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-35A	2/8/2010	3 - 5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.41	< 0.21	< 0.21	<0.41	< 0.33	< 0.33	< 0.33	< 0.33	0.111	0.157	0.221	0.0652	0.0682	0.142	< 0.033	< 0.33	< 0.33	0.0826	< 0.33	< 0.33	< 0.33	< 0.33
MW-35B/C	2/8/2010	2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.32	< 0.32	< 0.032	< 0.32	< 0.32	< 0.32	< 0.32
MW-36A/B	2/11/2010	8 - 10	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.47	<0.24	<0.24	<0.47	<0.38	<0.38	<0.38	<0.38	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.38	<0.38	<0.038	<0.38	<0.38	<0.38	<0.38
MW-36C	2/15/2010	7 - 9	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	< 0.22	< 0.22	< 0.44	<0.35	<0.35	<0.35	<0.35	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.35	<0.35	<0.035	<0.35	<0.35	<0.35	<0.35
MW-37A/B	2/17/2010	5 - 7	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.43	< 0.22	< 0.22	< 0.43	<0.35	<0.35	<0.35	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.35	<0.35	<0.035	<0.35	<0.35	<0.35	<0.35	<0.35
MW-38A	3/22/2010	8 - 10	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 0.20	< 0.20	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-38B	3/23/2010	8 - 10	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.32	< 0.32	< 0.032	< 0.32	< 0.32	< 0.32	< 0.32
MW-39A	3/30/2010	8 - 10	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-39B	3/30/2010	8 - 10	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.21	< 0.21	< 0.42	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
MW-40A	4/2/2010	2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 0.20	< 0.20	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.33	< 0.33	< 0.033	< 0.33	< 0.33	< 0.33	< 0.33
MW-40B/C	4/6/2010	2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 0.20	< 0.20	< 0.41	<0.81	<0.81	<0.81	<0.81	0.813	0.922	1.4	0.642	0.397	0.821	0.188	0.977	<0.81	0.765	<0.81	1.12	0.081	0.869
MW-41A	11/2/2010	12 - 14	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 0.33	<0.17	<0.17	<0.17	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.17	<0.17	<0.033	<0.17	<0.17	<0.17	<0.17
MW-42A	11/3/2010	8 - 10	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	<0.31	<0.16	<0.16	<0.16	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.16	<0.16	<0.031	<0.16	<0.16	<0.16	<0.16
MW-42B	11/5/2010	8 - 10	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.32	<0.16	<0.16	<0.16	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	<0.16	<0.16	< 0.032	<0.16	<0.16	<0.16	<0.16
MW-43A	11/9/2010	2 - 4	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.37	<0.29	<0.15	<0.15	<0.15	0.0871	0.137	0.177	0.0887	0.0523	0.114	<0.029	<0.15	<0.15	0.107	<0.15	<0.15	<0.15	<0.15
MW-44A	11/11/2010	2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	<0.31	<0.16	<0.16	<0.16	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.16	<0.16	<0.031	<0.16	<0.16	<0.16	<0.16
MW-45A/B	11/12/2010	6 - 8	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 0.33	<0.16	<0.16	<0.16	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	<0.16	<0.16	< 0.033	<0.16	<0.16	<0.16	<0.16
MW-45C	11/17/2010	6 - 8	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.32	<0.16	<0.16	<0.16	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	<0.16	<0.16	< 0.032	<0.16	<0.16	<0.16	<0.16
MW-46A	11/18/2010	6 - 8	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.37	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-47A	11/19/2010	4 - 5	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.37	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-48	1/4/2011	18 - 20	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	<0.42	< 0.34	<0.17	<0.17	<0.17	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	<0.17	<0.17	< 0.034	<0.17	<0.17	<0.17	<0.17
MW-49A	7/26/2011	8 - 10	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
MW-49C	7/28/2011	8 - 10	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.31	<0.15	<0.15	<0.15	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.15	<0.15	<0.031	<0.15	<0.15	<0.15	<0.15
MW-50A	8/1/2011	8 - 9	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.47	<0.37	<0.19	<0.19	<0.19	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.19	<0.19	<0.037	<0.19	<0.19	<0.19	<0.19
MW-51A	8/4/2011	8 - 10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.32	<0.16	<0.16	<0.16	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.16	<0.16	<0.032	<0.16	<0.16	<0.16	<0.16
MW-54A	4/11/2012	5 - 6.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	<0.35	<0.18	<0.18	<0.18	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.18	<0.18	<0.035	<0.18	<0.18	<0.18	<0.18
MW-55A	4/12/2012	4 - 5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.362	0.378	< 0.42	<0.34	0.432	0.355	1.47	2.37	2.24	2.94	0.874	1.74	2.67	0.55	4.31	0.63	1.16	0.367	0.57	2.82	3.86
MW-56A	4/16/2012	5 - 6.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	<0.42	<0.34	<0.17	<0.17	<0.17	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.17	<0.17	<0.034	<0.17	<0.17	<0.17	<0.17
RW-1	10/29/2009	2 - 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.3	11.9	8.52	< 3.3	< 16	< 16	< 16	13.7 J	19	21.3	31.7	9.5	10.7	23.3	2.57	30.3	4.53 J	11.7	< 16	6.86 J	13.6 J	27.5

Table 8.
SubSurface Soil SVOC Results
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Chemical Name	2,4-Dichlorophenol	2,4-Dimethylphenol *	2-Methylphenol	3&4-Methylphenol (m,p-Cresol)	Phenol	2,4,6-Trichlorophenol	Butyl Benzyl Phthalate	Carbazole *	Dibenzofuran *	Bis(2-Ethylhexyl) Phthalate	Pentachlorophenol	Acenaphthene	Acenaphthylene *	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	2-Methylnaphthalene *	Naphthalene	Phenanthrene *	Pyrene
Unit of Measure	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tier II Non-Residential	15.12	25 *	375.93	427.24	658.78	30.65	10,000	20 *	65 *	1406.3	24.947	10,000	180 *	10,000	103.88	69.9	354.98	***	3759.1	10,000	69.86	10,000	10,000	629.2	42 *	10,000	170 *	10,000
Location ID / Sample Date / Depth Interval																												
RW-4 / 11/13/2009 / 2 - 4	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.43	< 0.21	< 0.21	< 0.43	< 0.34	< 0.34	< 0.34	< 0.34	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.34	< 0.34	< 0.034	< 0.34	< 0.34	< 0.34	< 0.34
RW-5 / 11/16/2009 / 2 - 4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.20	< 0.40	< 0.32	< 0.32	< 0.32	< 0.32	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.32	< 0.32	< 0.032	< 0.32	< 0.32	< 0.32	< 0.32
RW-6 / 3/31/2010 / 2 - 4	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.44	< 0.22	< 0.22	< 0.44	<0.36	<0.36	<0.36	<0.36	0.24	0.378	0.359	0.161	0.112	0.263	0.0392	<0.36	<0.36	0.185	<0.36	<0.36	<0.36	0.365
RW-7 / 11/1/2010 / 6 - 8	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.30	<0.15	<0.15	<0.15	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.15	<0.15	<0.030	<0.15	<0.15	<0.15	<0.15
RW-8 / 4/18/2012 / 4.5 - 5.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	<0.42	<0.34	<0.17	<0.17	<0.17	0.0416	0.047	0.0671	<0.034	0.0411	0.0537	<0.034	<0.17	<0.17	0.0366	<0.17	<0.17	<0.17	<0.17
N1 / 8/19/2003 / 4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
N2 / 8/19/2003 / 6 - 8	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .96	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
N3 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
N4 / 8/19/2003 / 6 - 8	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
N5 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
N6 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
N7 / 8/19/2003 / 6 - 8	< .21	< .21	< .21	< .21	< .21	< .21	< .43	< .21	< .21	< .43	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
N8 / 8/19/2003 / 5 - 7	< .23	< .23	< .23	< .23	< .23	< .23	< .46	< .23	< .23	< .46	< 1.1	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23
P1 / 8/19/2003 / 4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
P2 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	.0847	.0798	.121	< .2	.0432	.0647	< .2	.132	< .2	< .2	< .2	< .2	< .2	.143
P3 / 8/19/2003 / 5 - 7	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
P4 / 8/19/2003 / 4 - 6	< .2	< .2	< .2	< .2	< .2	< .2	< .39	< .2	< .2	< .39	< .98	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	.0543	< .2	< .2	< .2	< .2	< .2	< .2
P5 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< 1	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
P6 / 8/19/2003 / 4 - 6	< .23	< .23	< .23	< .23	< .23	< .23	< .45	< .23	< .23	< .45	< 1.1	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23	< .23
P7 / 8/19/2003 / 4 - 6	< .22	< .22	< .22	< .22	< .22	< .22	< .43	< .22	< .22	< .43	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
P8 / 8/19/2003 / 4 - 6	< .21	< .21	< .21	< .21	< .21	< .21	< .41	< .21	< .21	< .41	< 1	< .21	< .21	< .21	.116	.119	.142	< .21	.137	.129	< .21	.242	< .21	.0981	< .21	< .21	.0528	.197
Q1 / 8/19/2003 / 3 - 5	< .21	< .21	< .21	< .21	< .21	< .21	< .42	< .21	< .21	< .42	< 1.1	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21
Q2 / 8/19/2003 / 5 - 7	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< .22
Q3 / 8/19/2003 / 5 - 7	< .24	< .24	< .24	< .24	< .24	< .24	< .47	< .24	< .24	< .47	< 1.2	< .24	< .24	< .24	.0926	.0765	.122	< .24	< .24	.102	< .24	.217	< .24	< .24	< .24	< .24	< .24	.179
Q4 / 8/19/2003 / 4 - 6	< 75	< 75	< 75	< 75	< 75	< 75	< 150	310	**215**	< 150	**< 370**	288	89.1	1410	**1530**	**930**	**1470**	436	530	1450	**118**	4080	481	531	34.7	29	**2220**	3520
Q5 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	< .2	< .4	< .99	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2
Q6 / 8/19/2003 / 5 - 7	< .19	< .19	< .19	< .19	< .19	< .19	< .38	< .19	< .19	< .38	< .96	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19	< .19
Q7 / 8/19/2003 / 5 - 7	< .21	< .21	< .21	< .21	< .21	< .21	< .42	.17	< .21	< .42	< 1.1	1.02	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	< .21	.217	.381	< .21	.329	< .21	.815	.141
Q8 / 8/19/2003 / 5 - 7	< .2	< .2	< .2	< .2	< .2	< .2	< .4	< .2	.0415	< .4	< 1	.0814	< .2	< .2	.0675	< .2	< .2	< .2	< .2	.0405	< .2	.363	.0734	< .2	< .2	< .2	.338	.274
VAT1 / 8/8/2003 / 4 - 6	< .85	< .85	< .85	< .85	< .85	< .85	< 1.7	< .85	< .85	< 1.7	< 4.2	.229	.578	.711	3.44	4.17	4.83	2.63	1.66	3.78	.602	4.58	< .85	2.72	< .85	< .85	.868	5.13
VAT2 / 8/8/2003 / 2 - 4	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	.44	.314	2.07	2.51	2.49	1.63	.748	2.19	.388	2.16	< .22	1.56	< .22	< .22	.333	2.86
VAT3 / 8/8/2003 / 4 - 5	< .23	< .23	< .23	< .23	< .23	< .23	< .45	< .23	< .23	< .45	< 1.1	< .23	.167	.0941	.513	.818	.816	.598	.274	.633	.149	.806	< .23	.616	< .23	< .23	.148	.756
WALL1 / 8/5/2003 / 2.5 - 4.5	< 16	< 16	< 16	< 16	< 16	< 16	< 32	< 16	36.9	< 32	< 79	82.1	13.6	33.5	49.8	34.5	39.2	16.2	27.1	38.6	< 16	243	115	19.2	< 16	< 16	248	129
WALL2 / 8/5/2003 / 3 - 5	< .22	< .22	< .22	< .22	< .22	< .22	< .45	< .22	< .22	< .45	< 1.1	< .22	< .22	< .22	.0748	.0611	.0751	< .22	.0565	.0839	< .22	.222	.0512	< .22	< .22	< .22	.148	.137
WALL3 / 8/5/2003 / 3 - 5	< .2	< .2	< .2	< .2	< .2	< .2	< .4	.125	.14	< .4	< 1	.098	.353	1.76	1.98	1.62	1.85	.787	1.23	2.42	.328	3.53	.149	.948	.0435	.199	.589	2.21

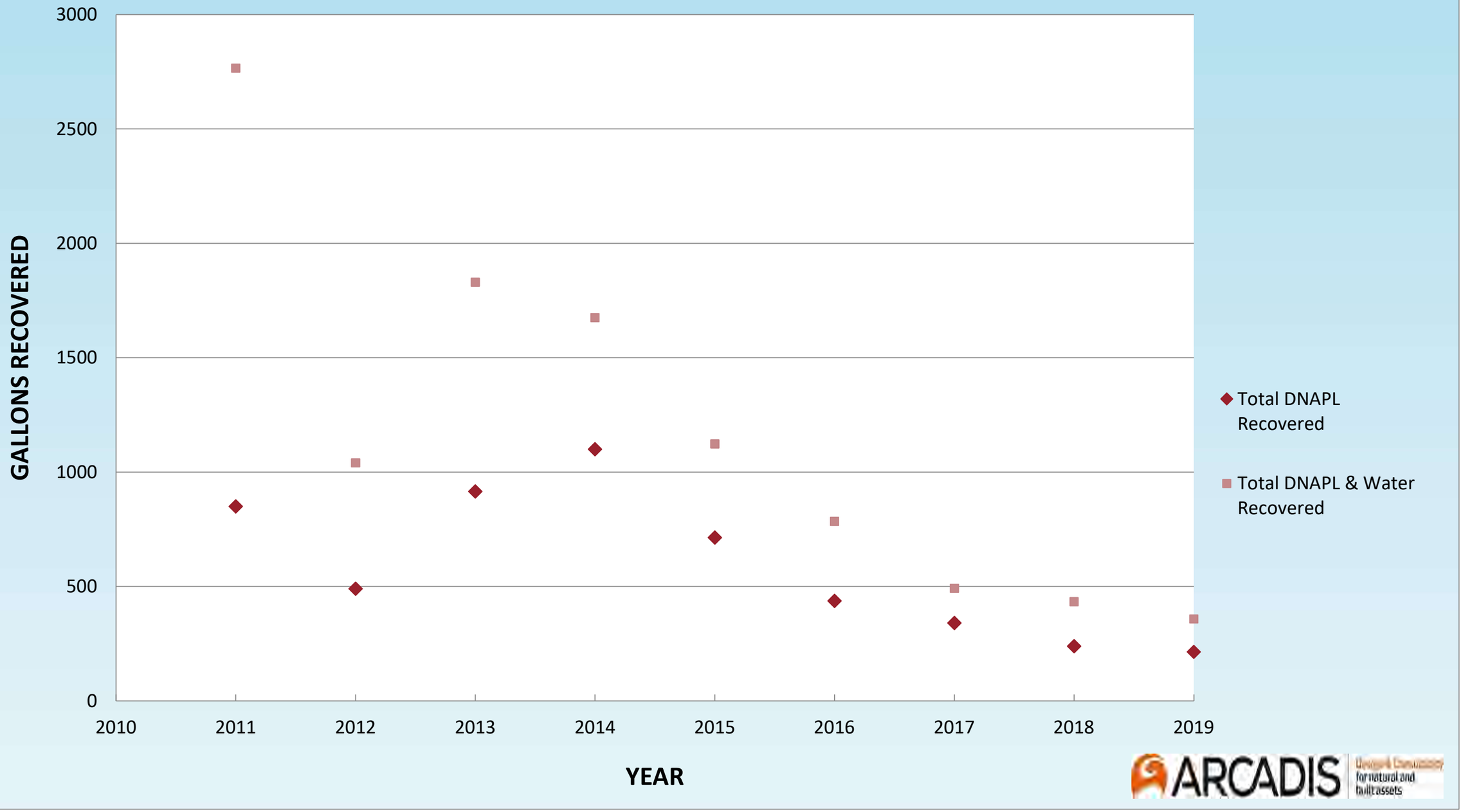
Bold Exceeds Tier II Non-residential (Industrial) Cleanup Goal
***** Cleanup goals are based on the updated IDEM RISC Technical Guide: Appendix 1, Commercial/Industrial Closure Levels, dated January 31, 2006
******* Benzo(g,h,i)perylene does not have a cleanup goal in the 1996 VRP Guidance Manual or in the current IDEM RISC Technical Guide Appendix 1, dated January 26, 2006.
Soil boring location has been excavated

Table 9

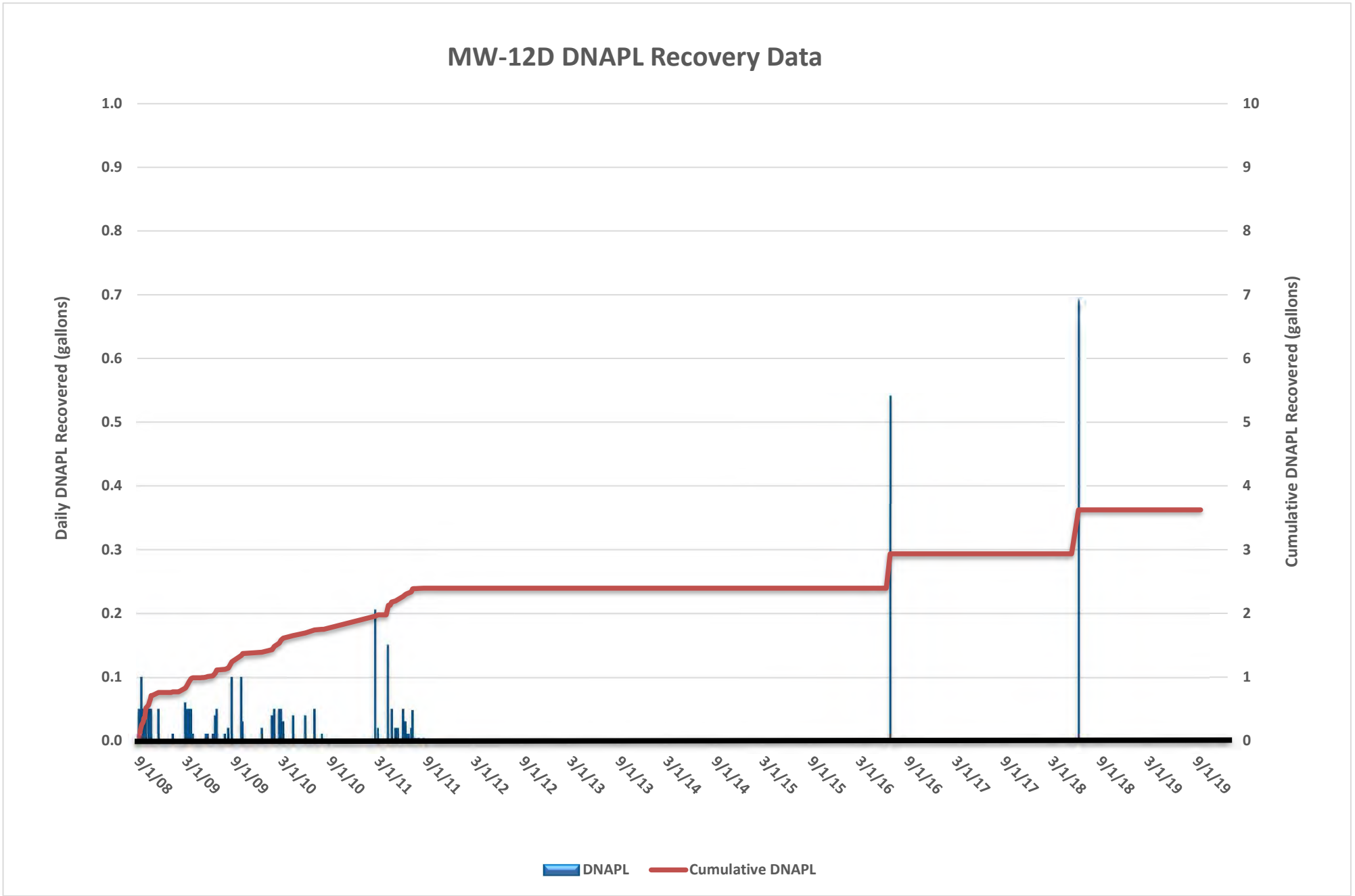
DNAPL Recovery Trend Graphs and Tabulated Data

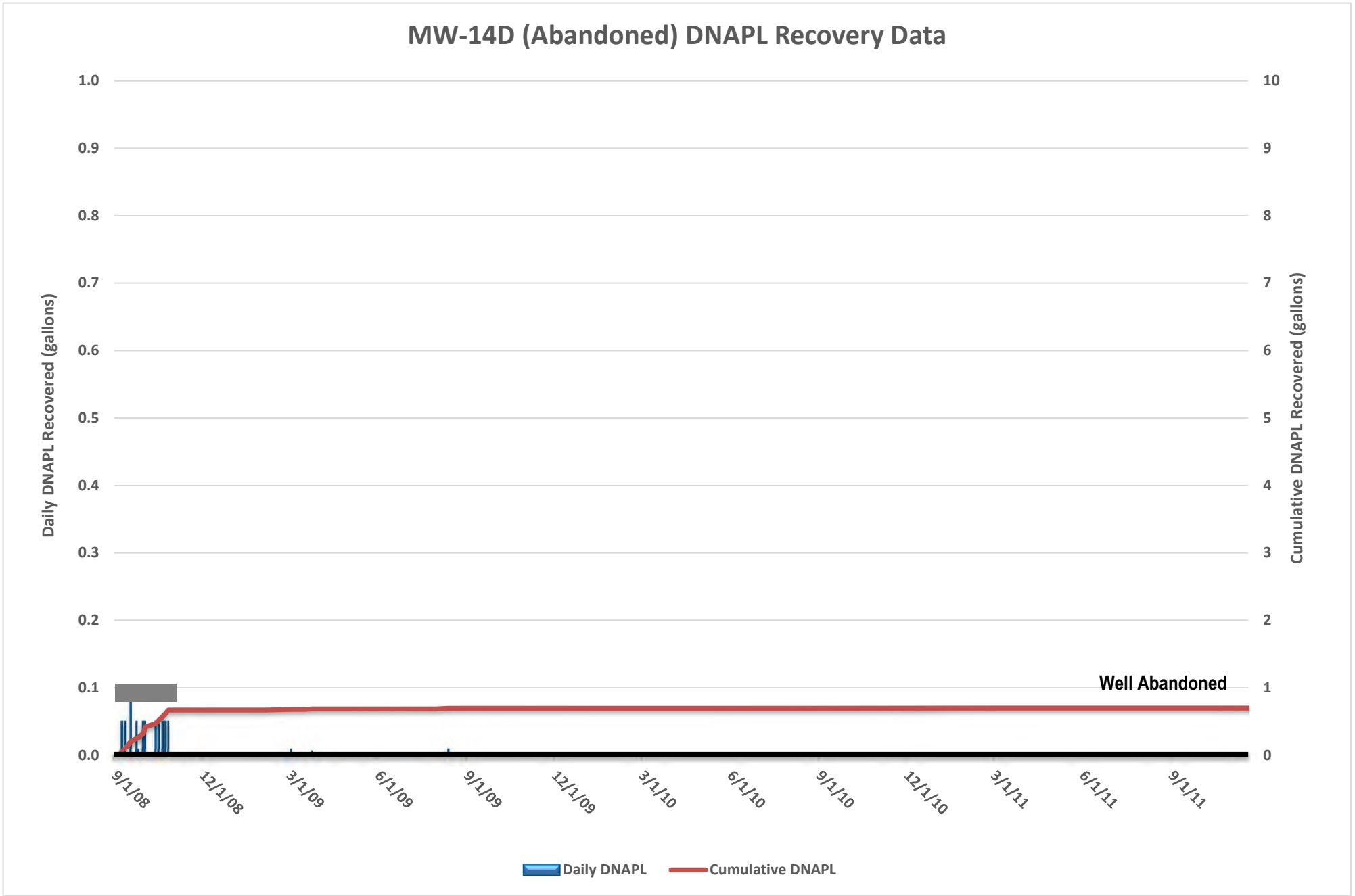
How tomorrow moves

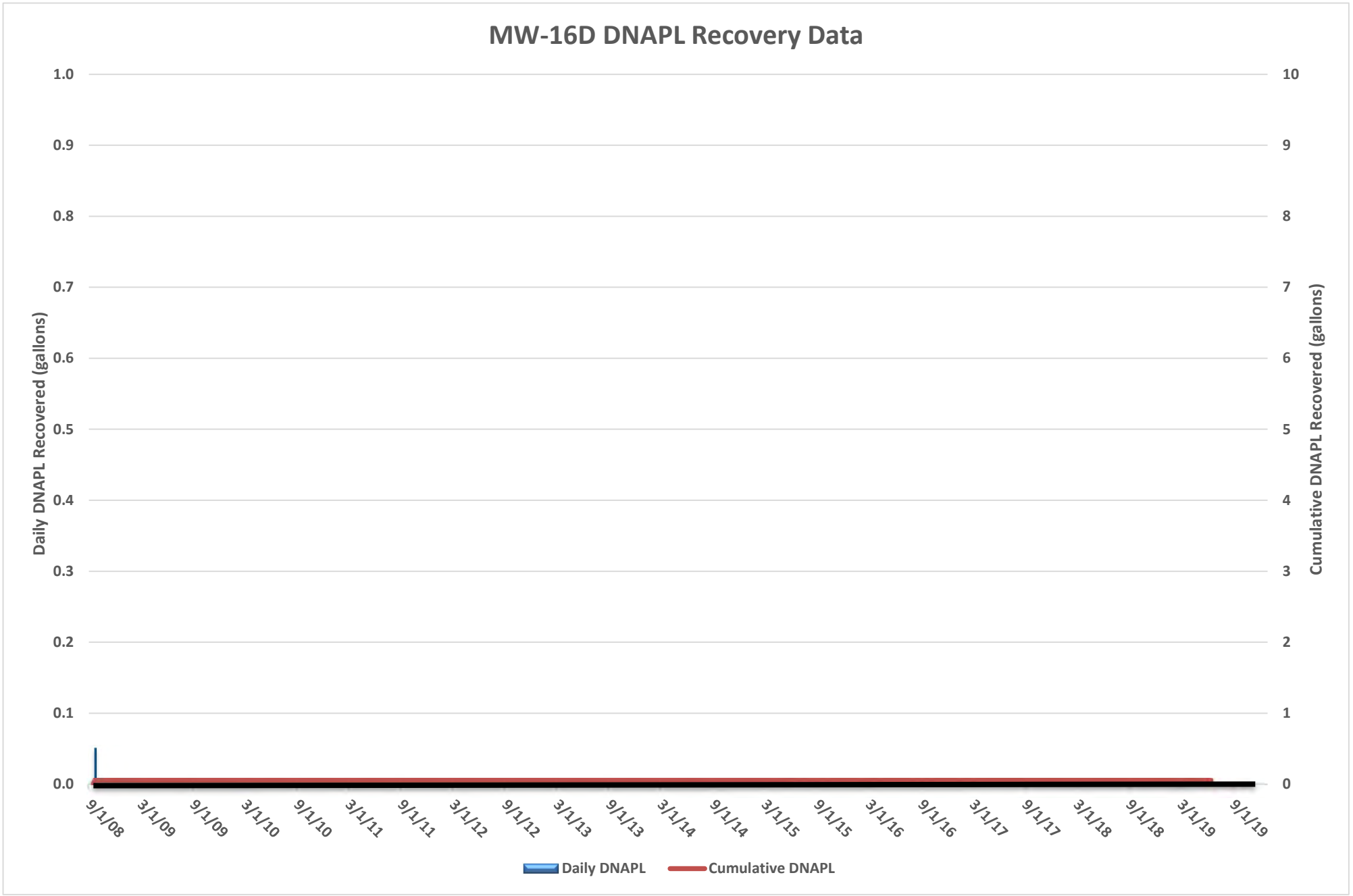
TOTAL DNAPL RECOVERED BY YEAR

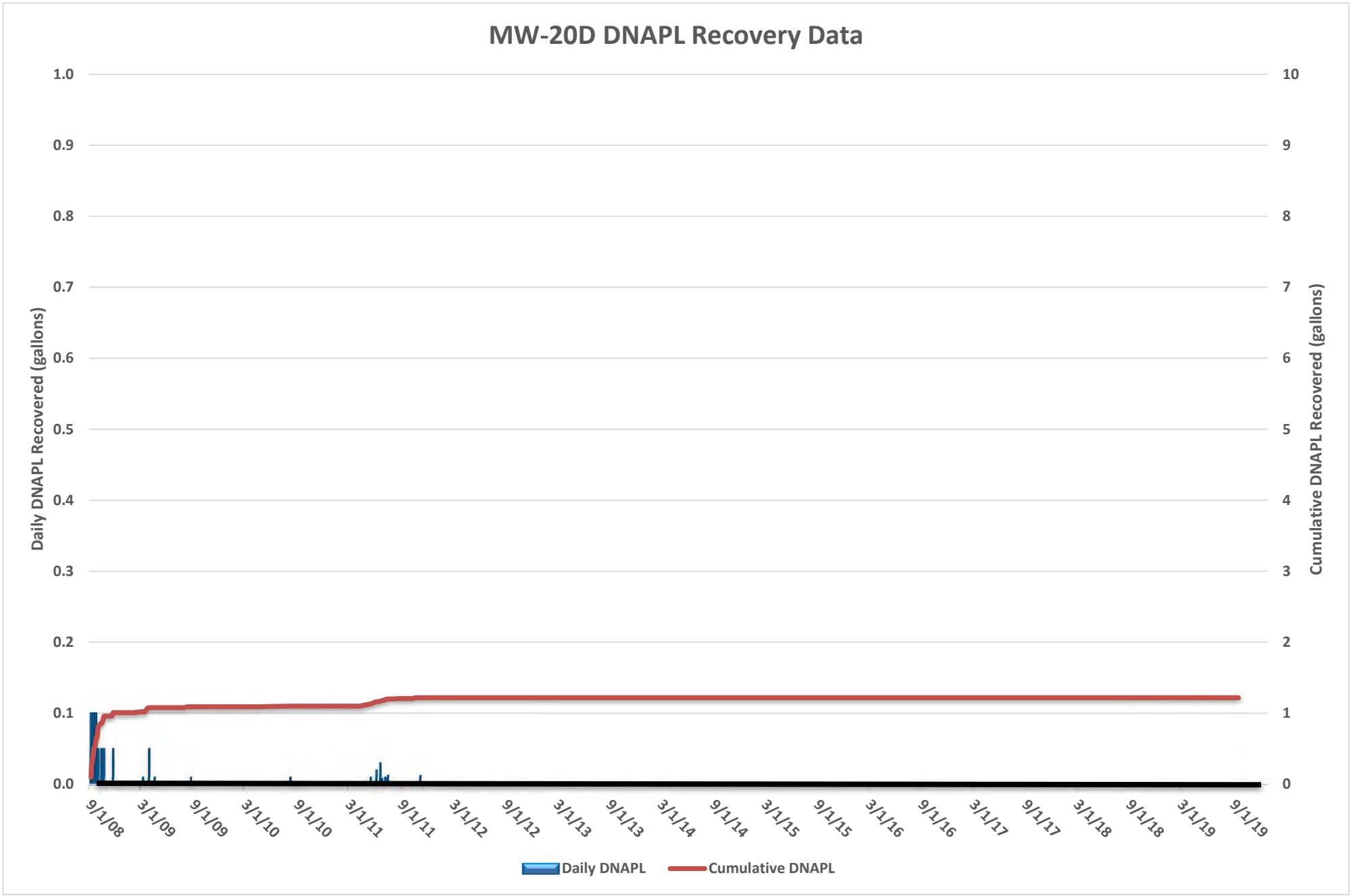


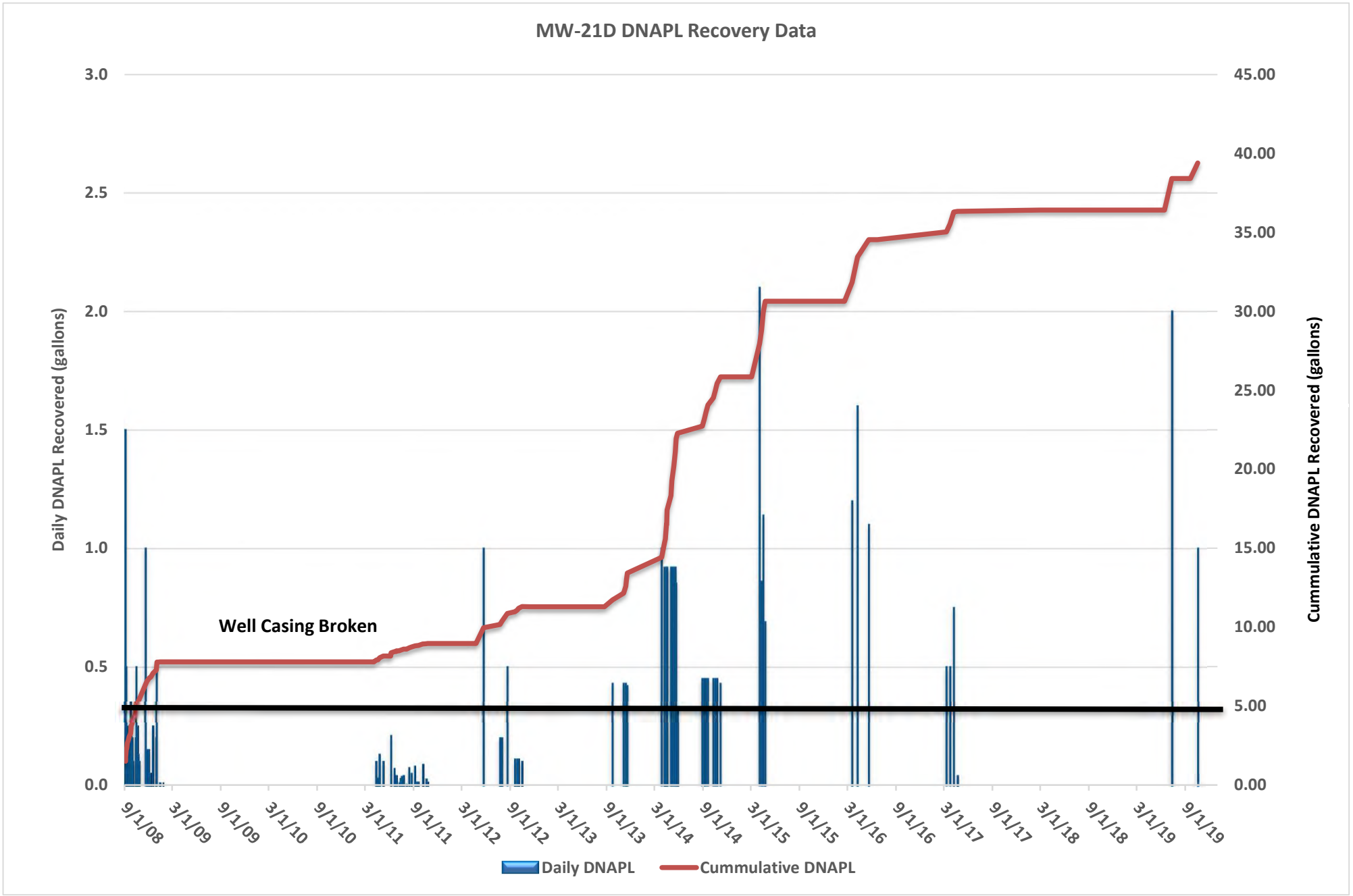
ARCADIS Design & Consultancy for natural and built assets

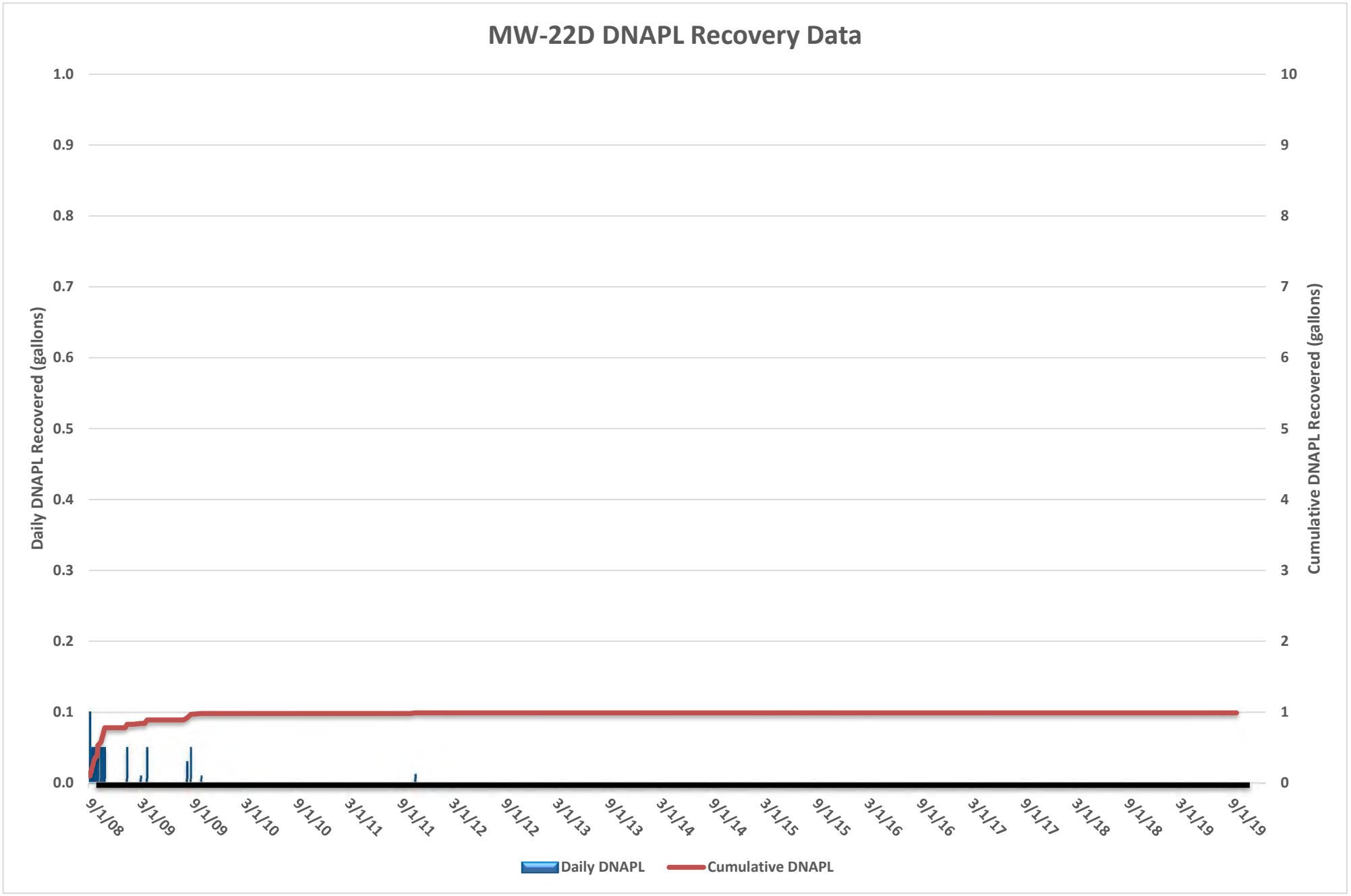

MW-12D DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
DNAPL
Cumulative DNAPL

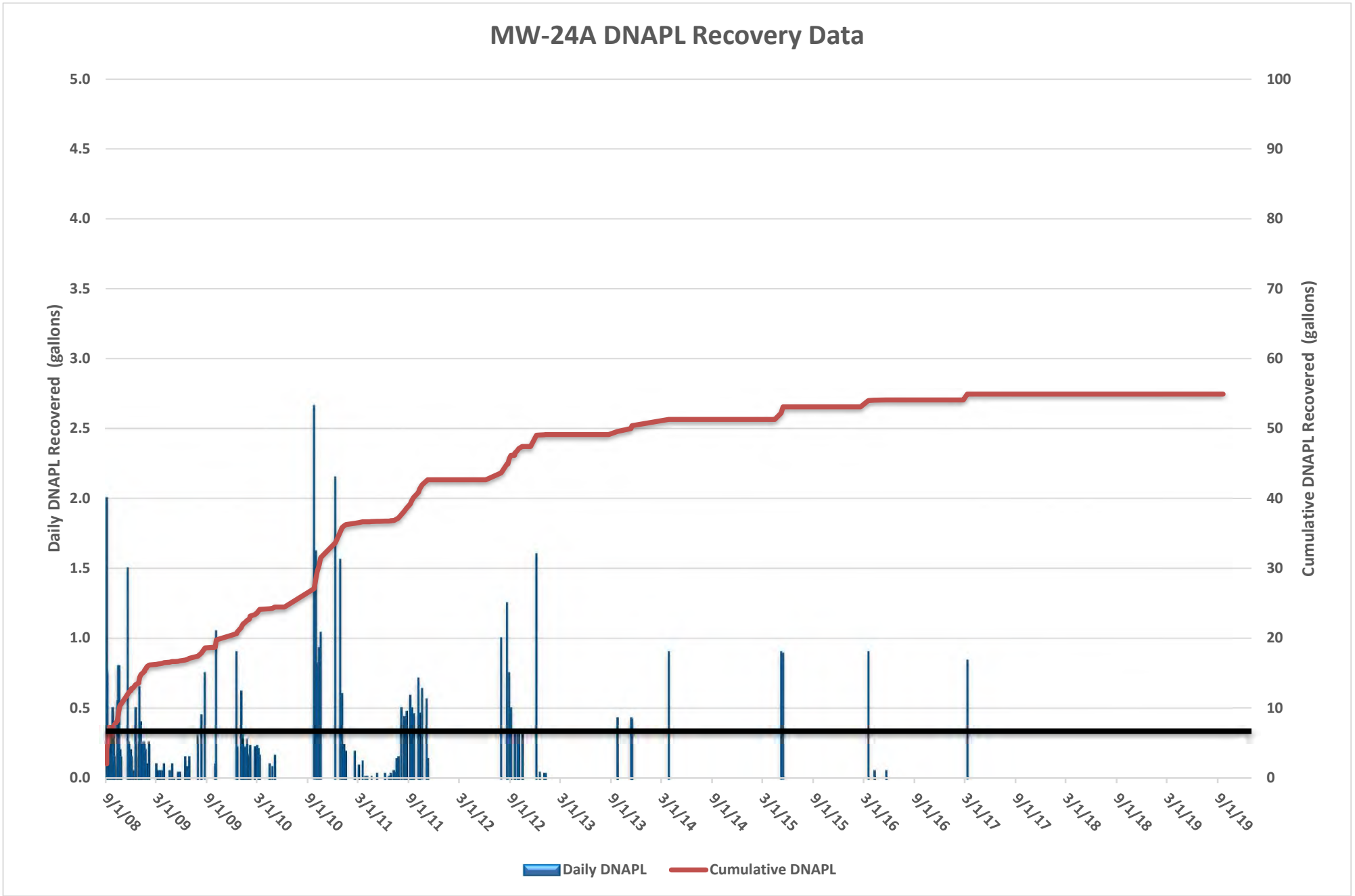

MW-14D (Abandoned) DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
Well Abandoned
9/1/08
12/1/08
3/1/09
6/1/09
9/1/09
12/1/09
3/1/10
6/1/10
9/1/10
12/1/10
3/1/11
6/1/11
9/1/11
Daily DNAPL
Cumulative DNAPL

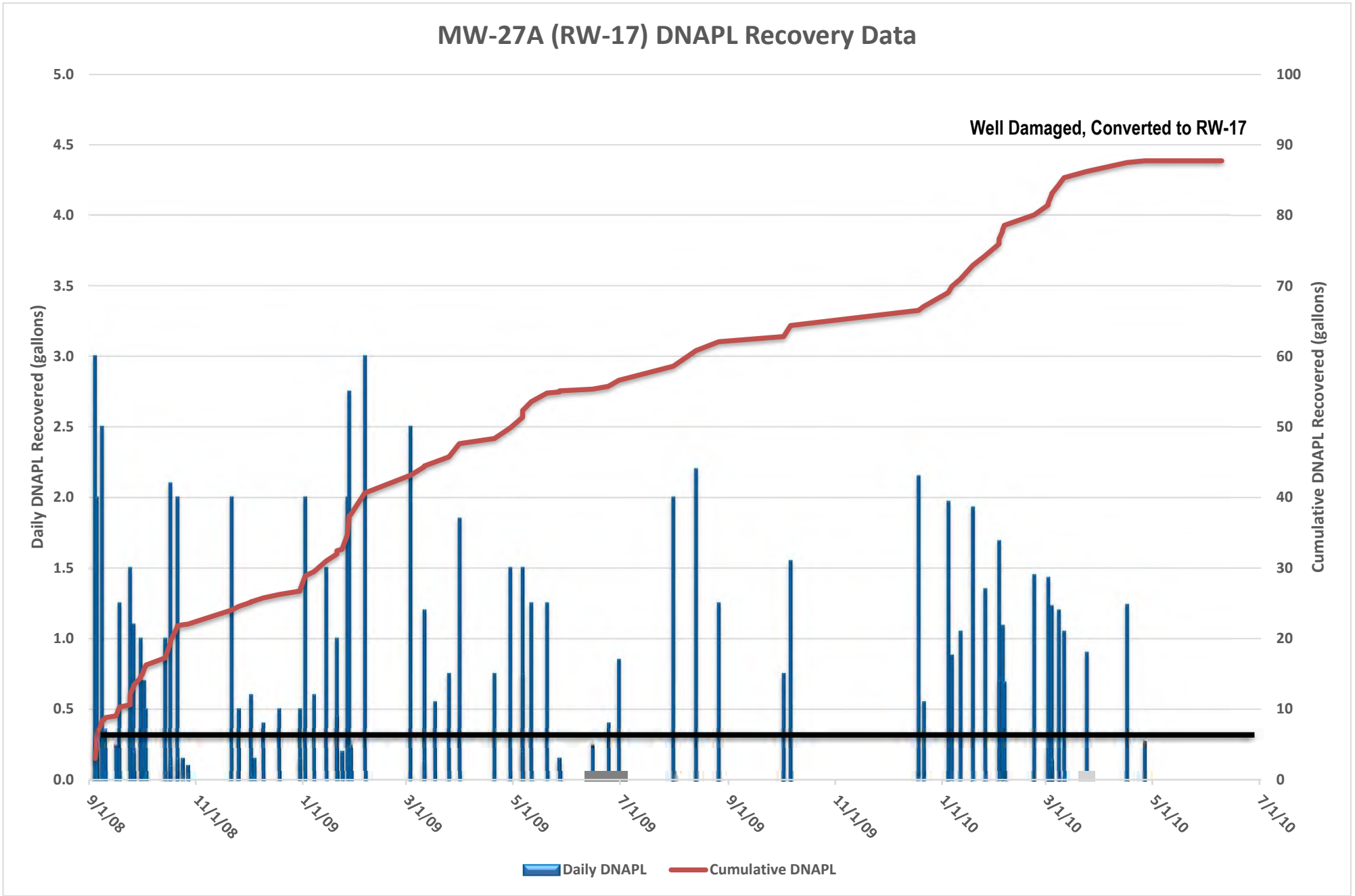

MW-16D DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cumulative DNAPL

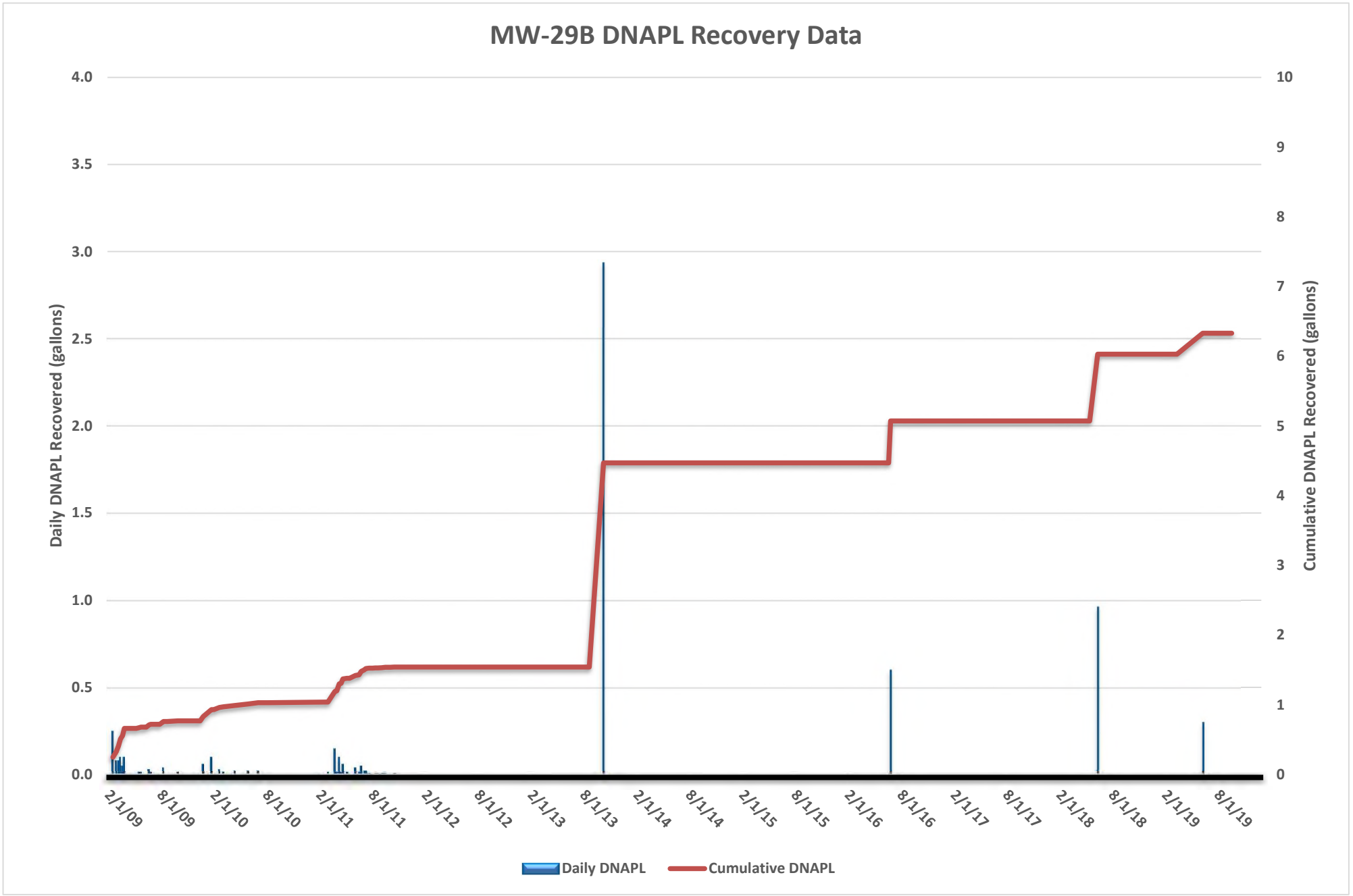

MW-20D DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cumulative DNAPL

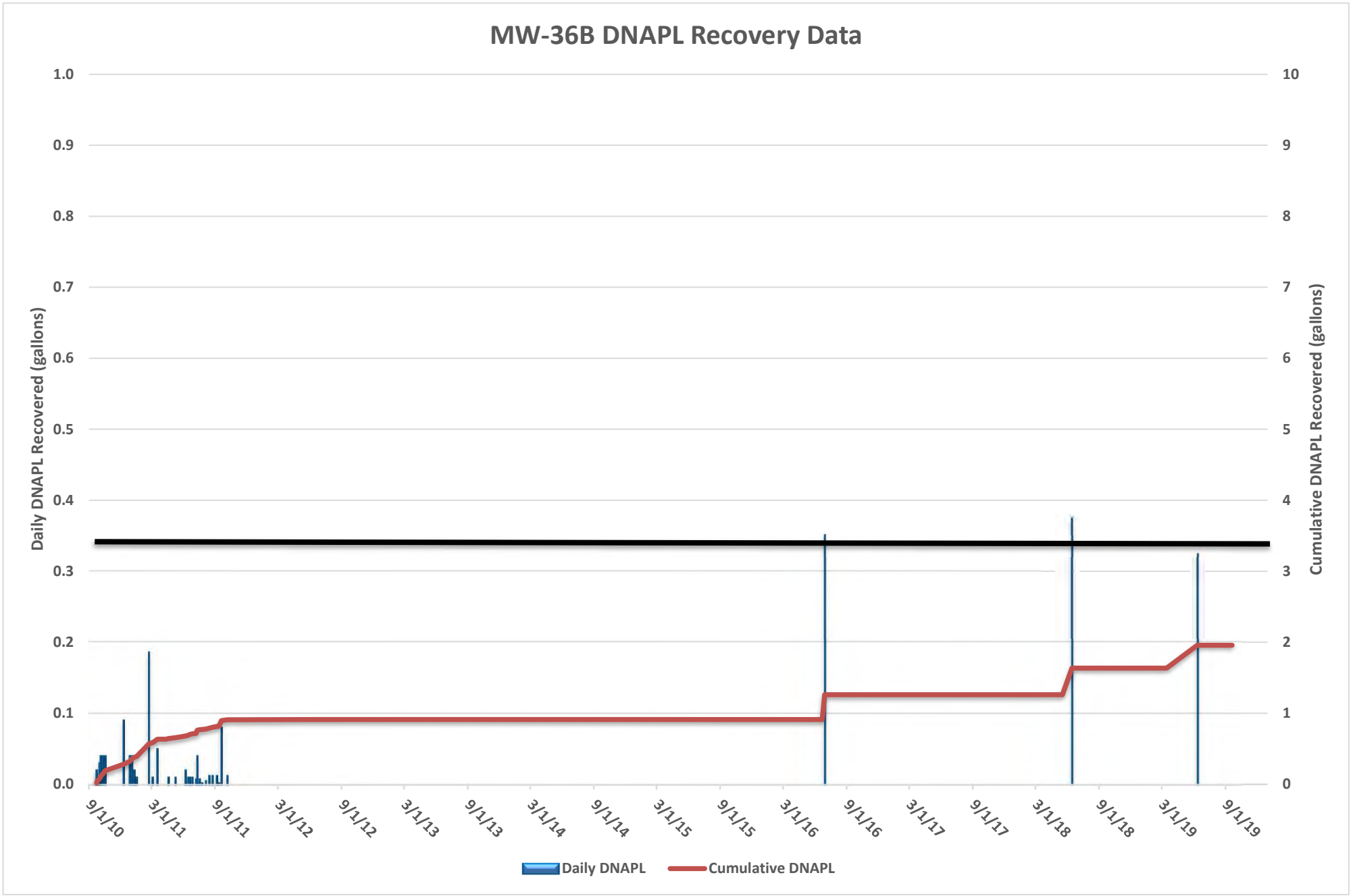

MW-21D DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cummulative DNAPL Recovered (gallons)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Well Casing Broken
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cummulative DNAPL

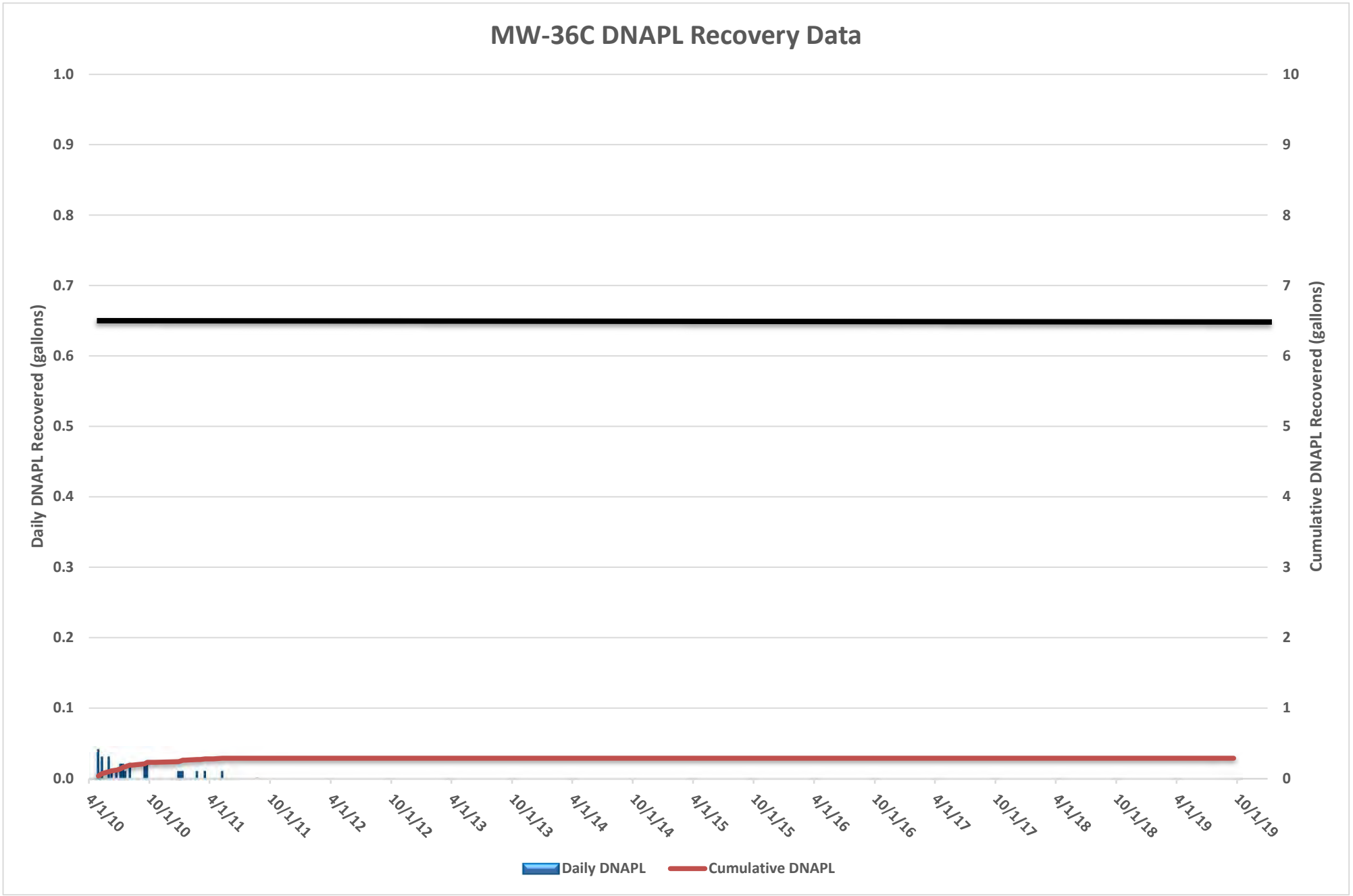

MW-22D DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cumulative DNAPL

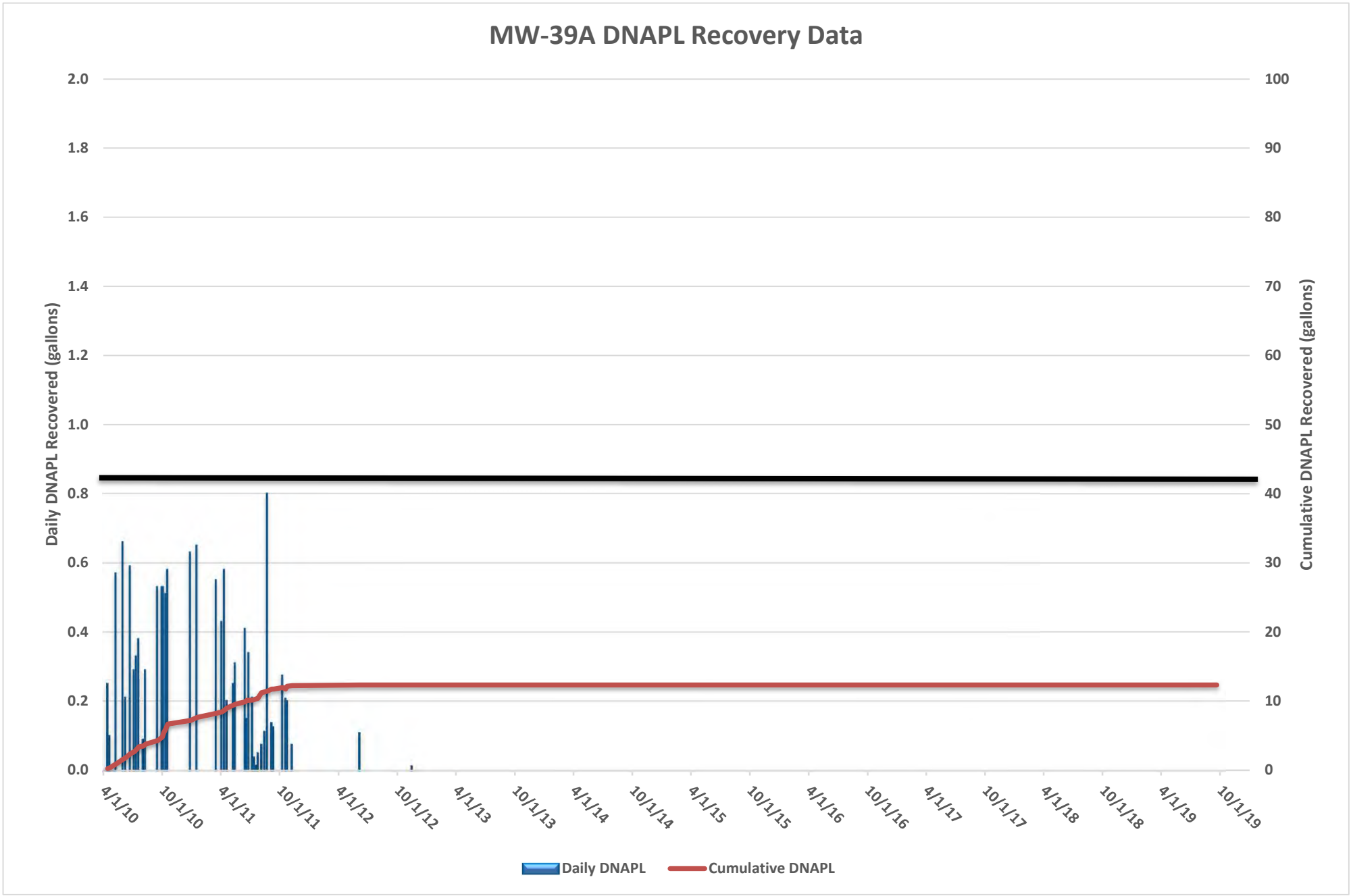

MW-24A DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
100
90
80
70
60
50
40
30
20
10
0
9/1/08
3/1/09
9/1/09
3/1/10
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cumulative DNAPL

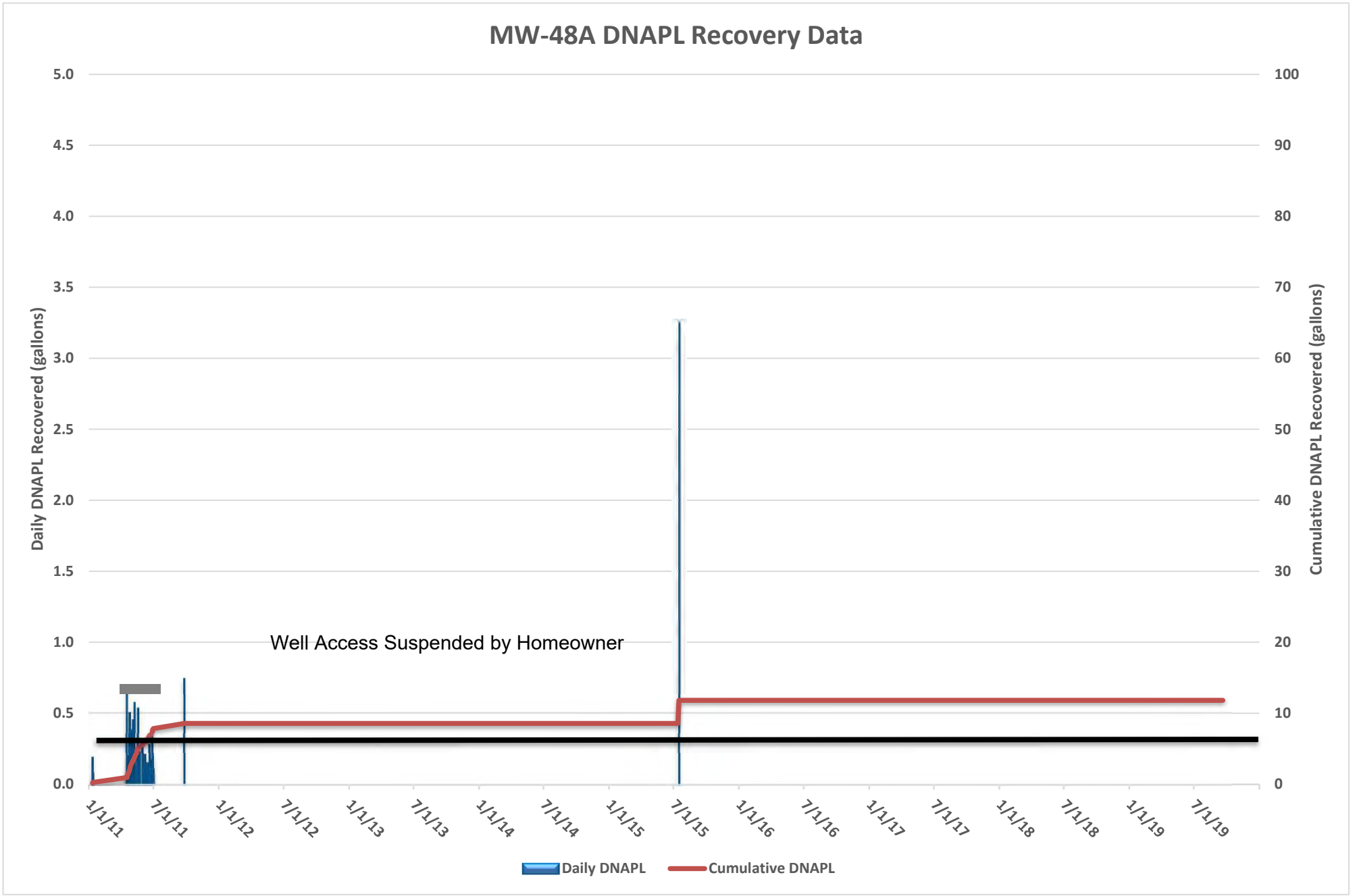

MW-27A (RW-17) DNAPL Recovery Data
Well Damaged, Converted to RW-17
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
100
90
80
70
60
50
40
30
20
10
0
9/1/08
11/1/08
1/1/09
3/1/09
5/1/09
7/1/09
9/1/09
11/1/09
1/1/10
3/1/10
5/1/10
7/1/10
Daily DNAPL
Cumulative DNAPL

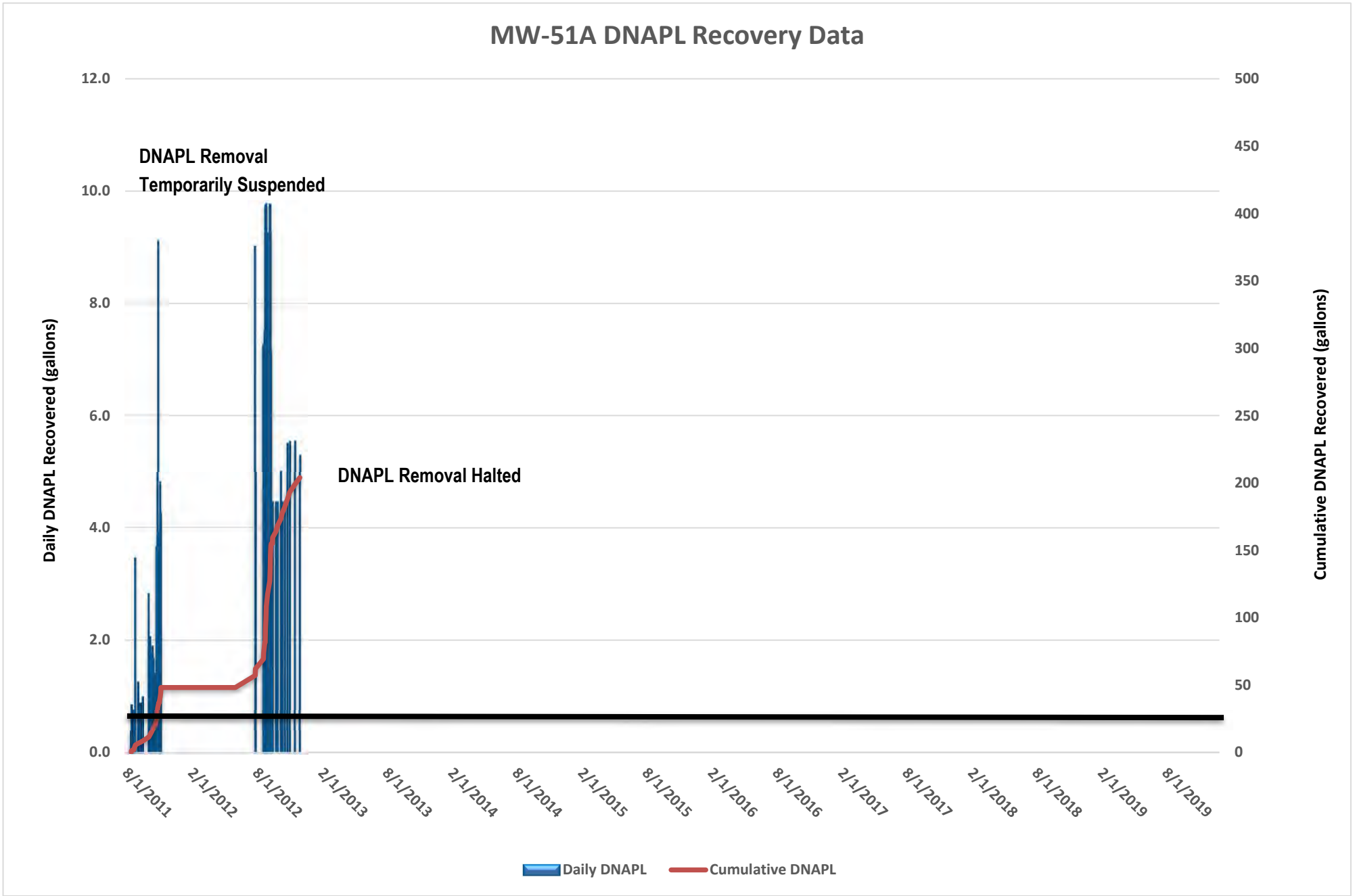

MW-29B DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10
9
8
7
6
5
4
3
2
1
0
2/1/09
8/1/09
2/1/10
8/1/10
2/1/11
8/1/11
2/1/12
8/1/12
2/1/13
8/1/13
2/1/14
8/1/14
2/1/15
8/1/15
2/1/16
8/1/16
2/1/17
8/1/17
2/1/18
8/1/18
2/1/19
8/1/19
Daily DNAPL
Cumulative DNAPL

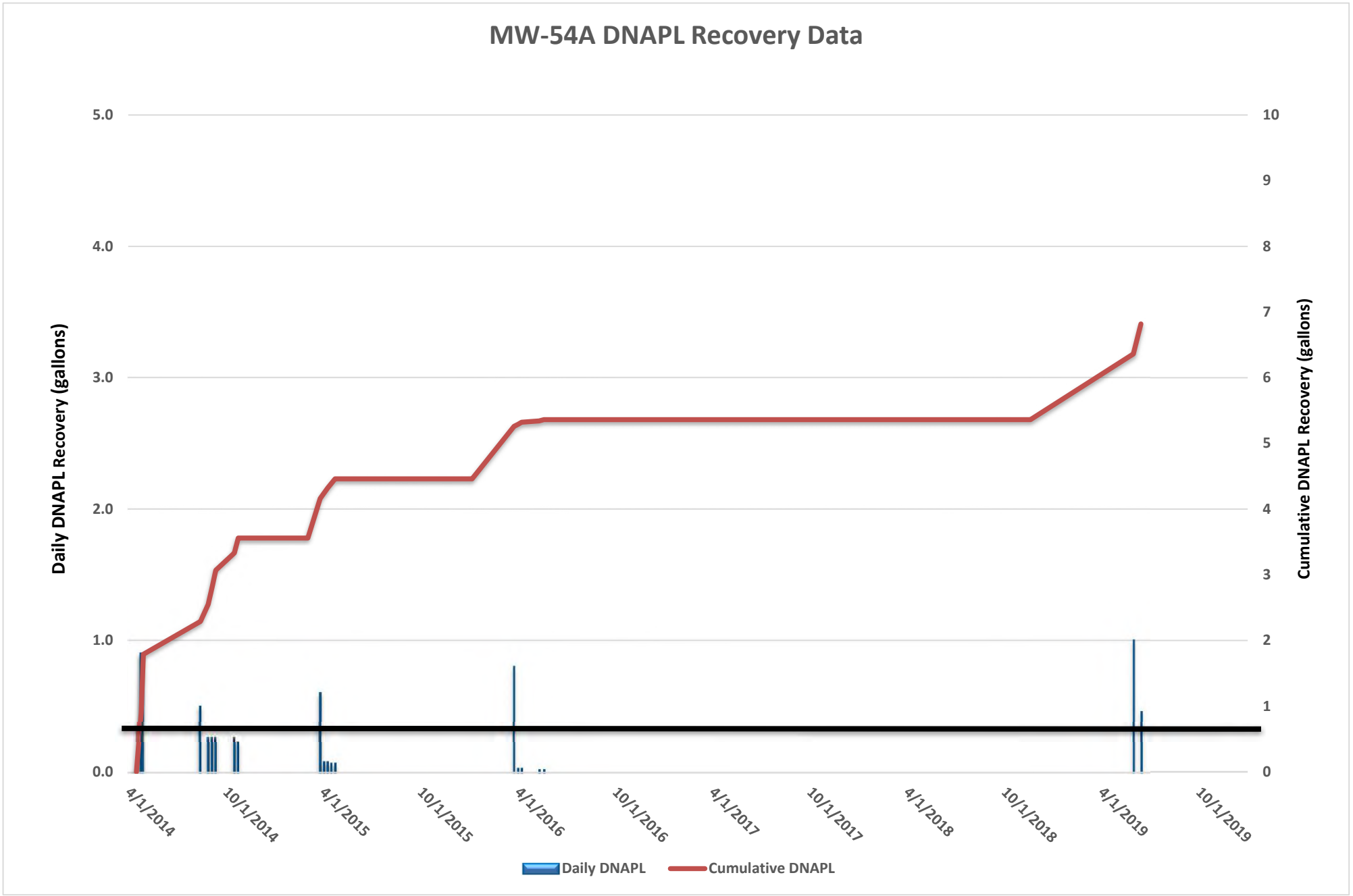

MW-36B DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
9/1/10
3/1/11
9/1/11
3/1/12
9/1/12
3/1/13
9/1/13
3/1/14
9/1/14
3/1/15
9/1/15
3/1/16
9/1/16
3/1/17
9/1/17
3/1/18
9/1/18
3/1/19
9/1/19
Daily DNAPL
Cumulative DNAPL

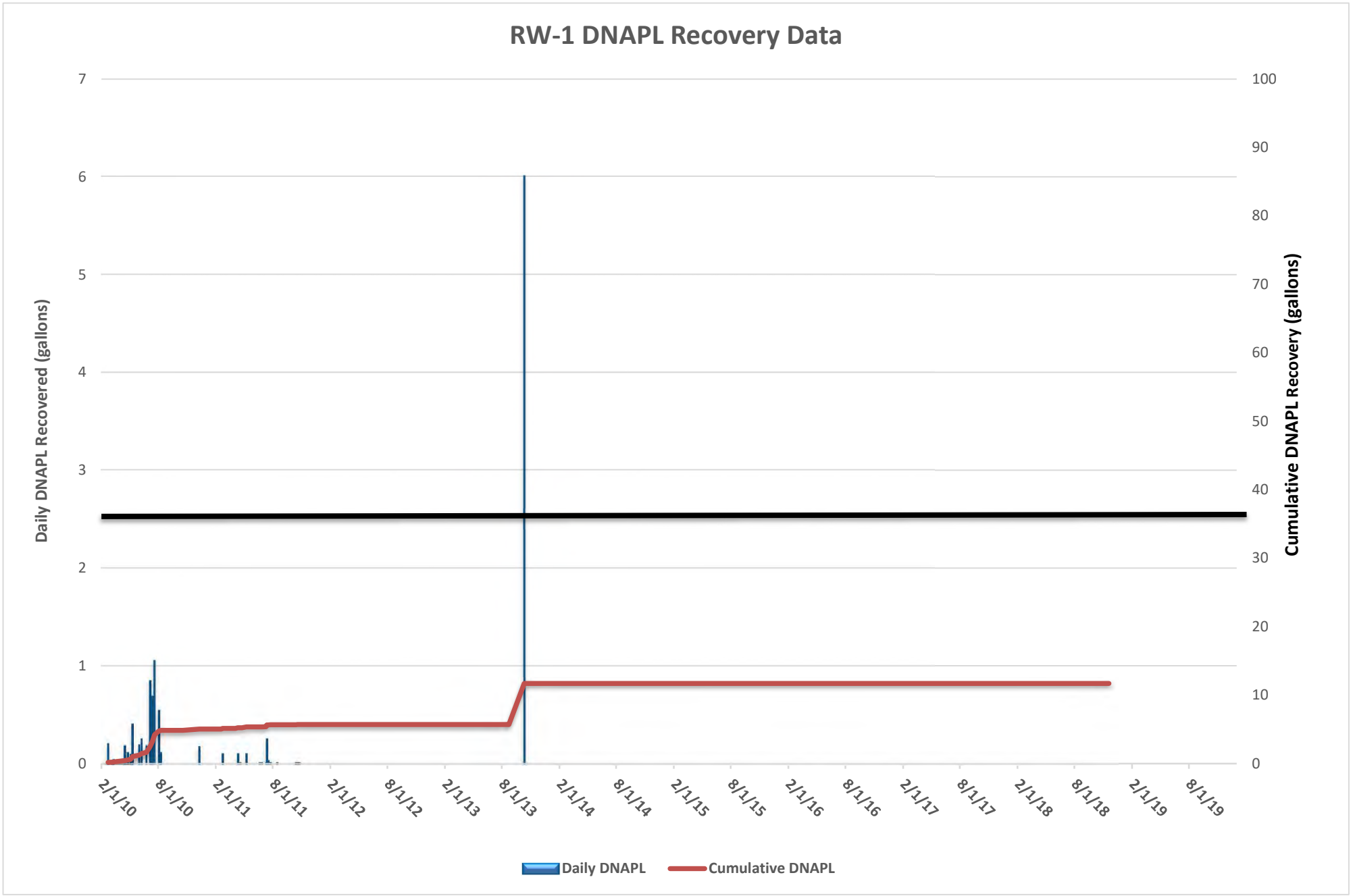

MW-36C DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
9
8
7
6
5
4
3
2
1
0
4/1/10
10/1/10
4/1/11
10/1/11
4/1/12
10/1/12
4/1/13
10/1/13
4/1/14
10/1/14
4/1/15
10/1/15
4/1/16
10/1/16
4/1/17
10/1/17
4/1/18
10/1/18
4/1/19
10/1/19
Daily DNAPL
Cumulative DNAPL

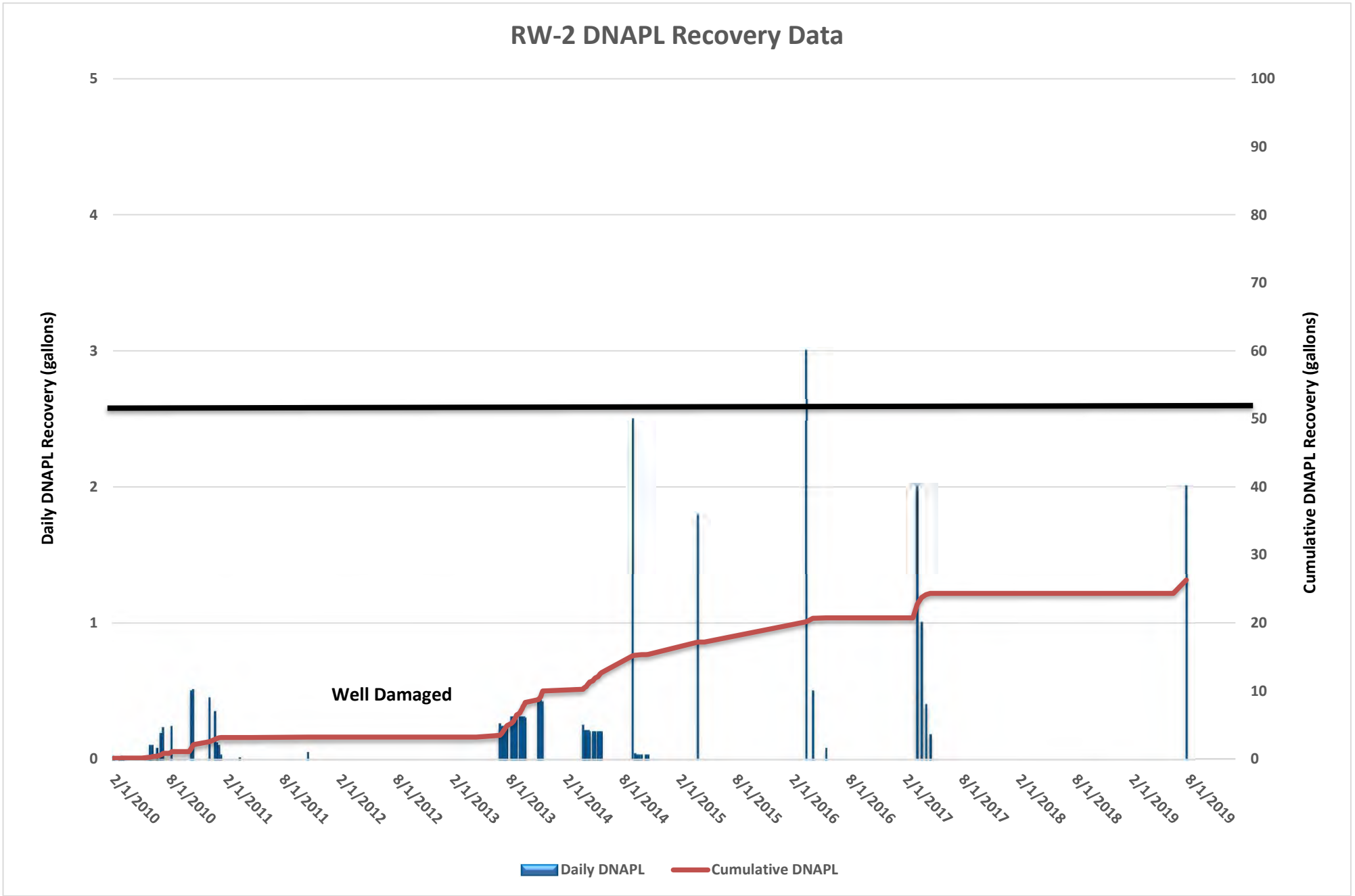

MW-39A DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
100
90
80
70
60
50
40
30
20
10
0
4/1/10
10/1/10
4/1/11
10/1/11
4/1/12
10/1/12
4/1/13
10/1/13
4/1/14
10/1/14
4/1/15
10/1/15
4/1/16
10/1/16
4/1/17
10/1/17
4/1/18
10/1/18
4/1/19
10/1/19
Daily DNAPL
Cumulative DNAPL

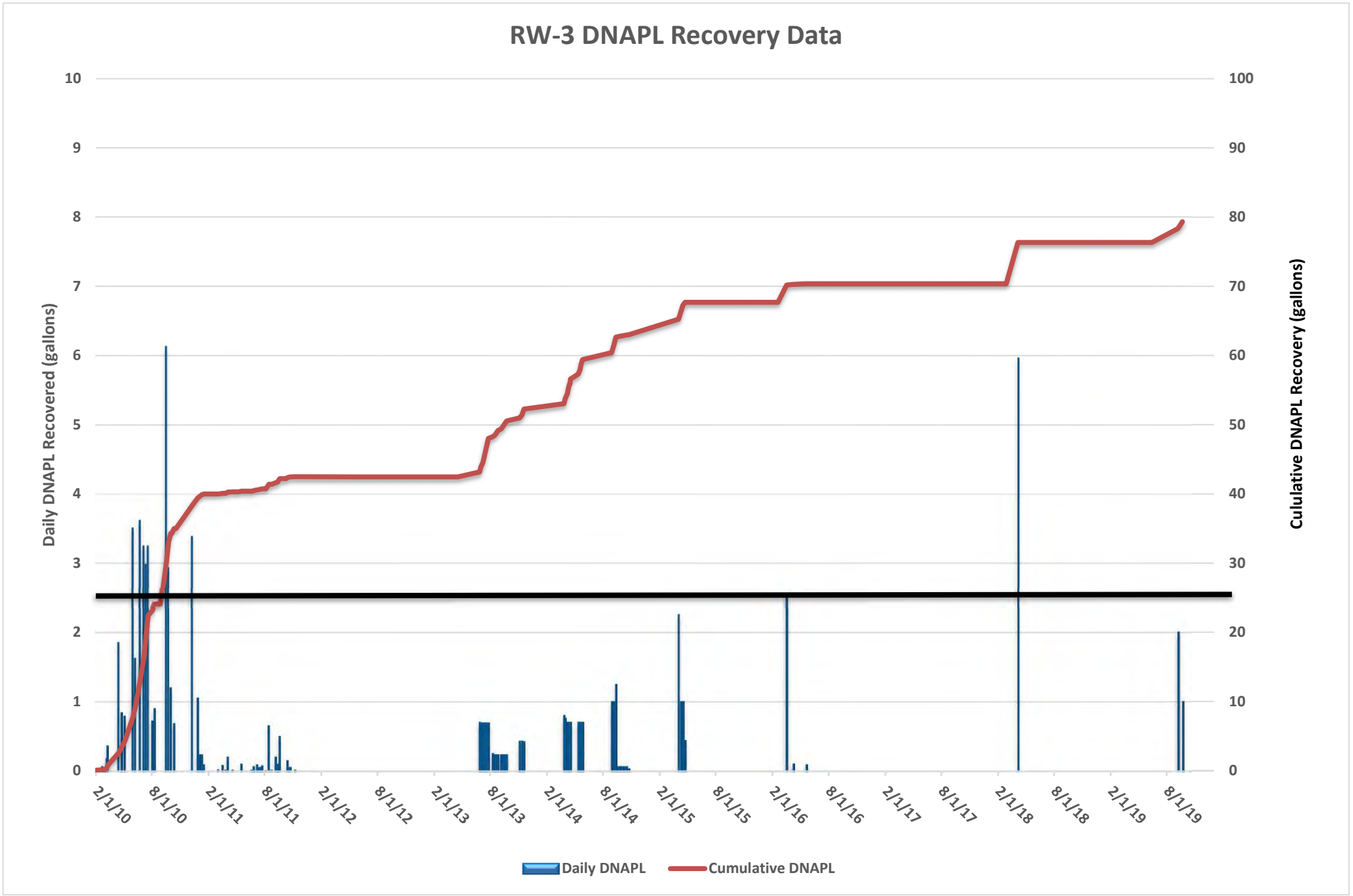

MW-48A DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
100
90
80
70
60
50
40
30
20
10
0
Well Access Suspended by Homeowner
1/1/11
7/1/11
1/1/12
7/1/12
1/1/13
7/1/13
1/1/14
7/1/14
1/1/15
7/1/15
1/1/16
7/1/16
1/1/17
7/1/17
1/1/18
7/1/18
1/1/19
7/1/19
Daily DNAPL
Cumulative DNAPL

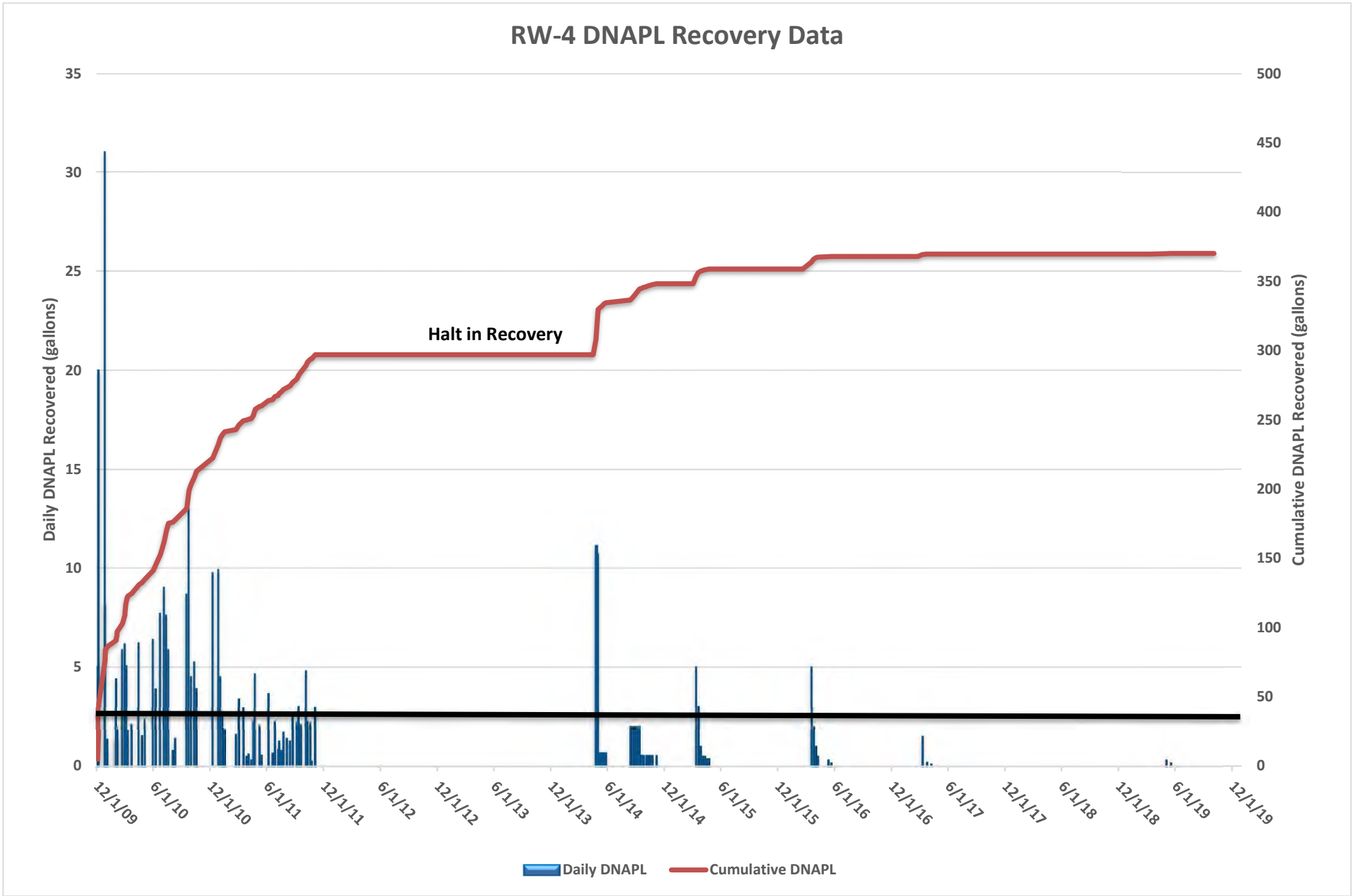

MW-51A DNAPL Recovery Data
DNAPL Removal
Temporarily Suspended
DNAPL Removal Halted
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
500
450
400
350
300
250
200
150
100
50
0
8/1/2011
2/1/2012
8/1/2012
2/1/2013
8/1/2013
2/1/2014
8/1/2014
2/1/2015
8/1/2015
2/1/2016
8/1/2016
2/1/2017
8/1/2017
2/1/2018
8/1/2018
2/1/2019
8/1/2019
Daily DNAPL
Cumulative DNAPL

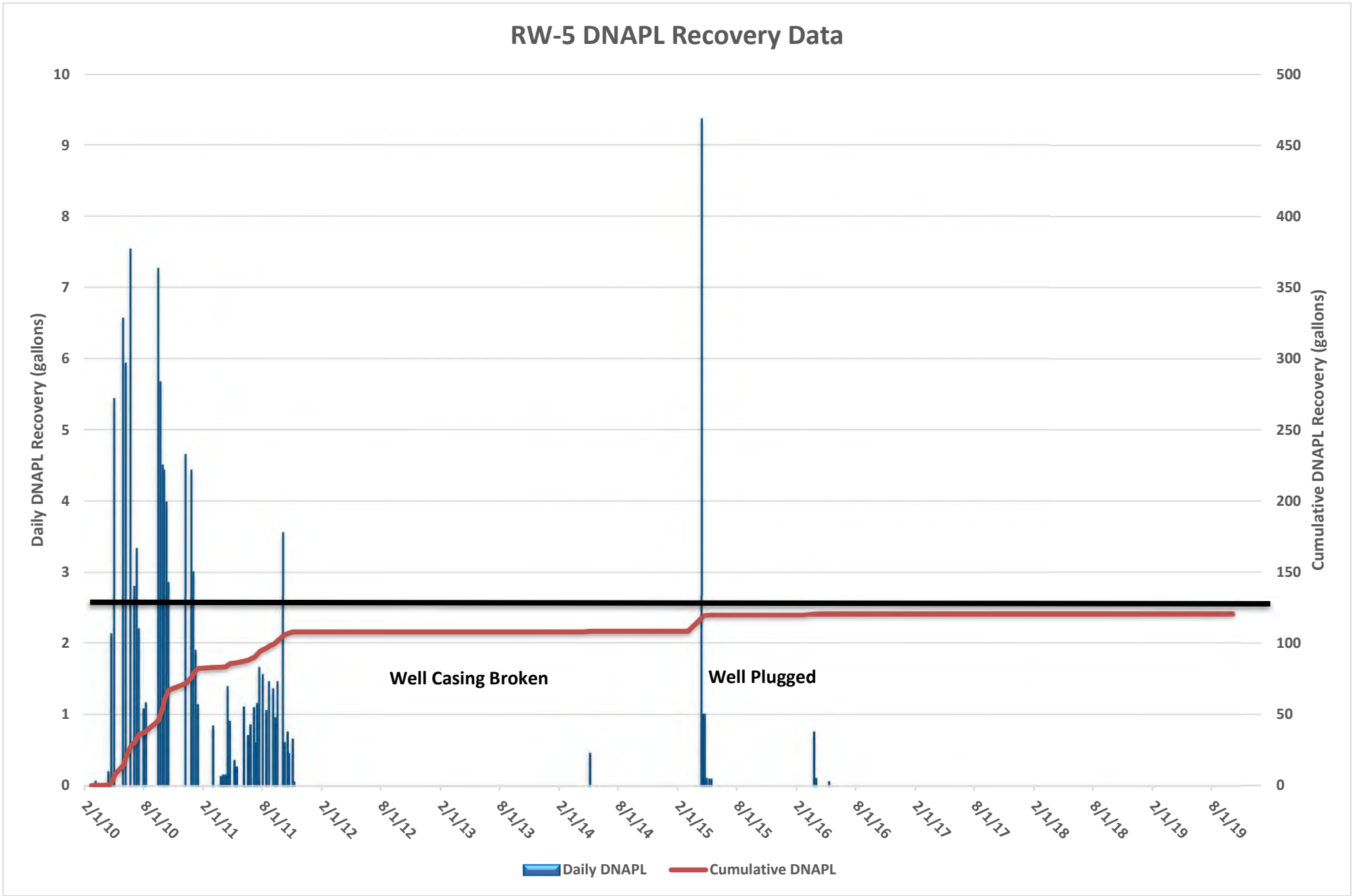

MW-54A DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
5.0
4.0
3.0
2.0
1.0
0.0
10
9
8
7
6
5
4
3
2
1
0
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
Daily DNAPL
Cumulative DNAPL

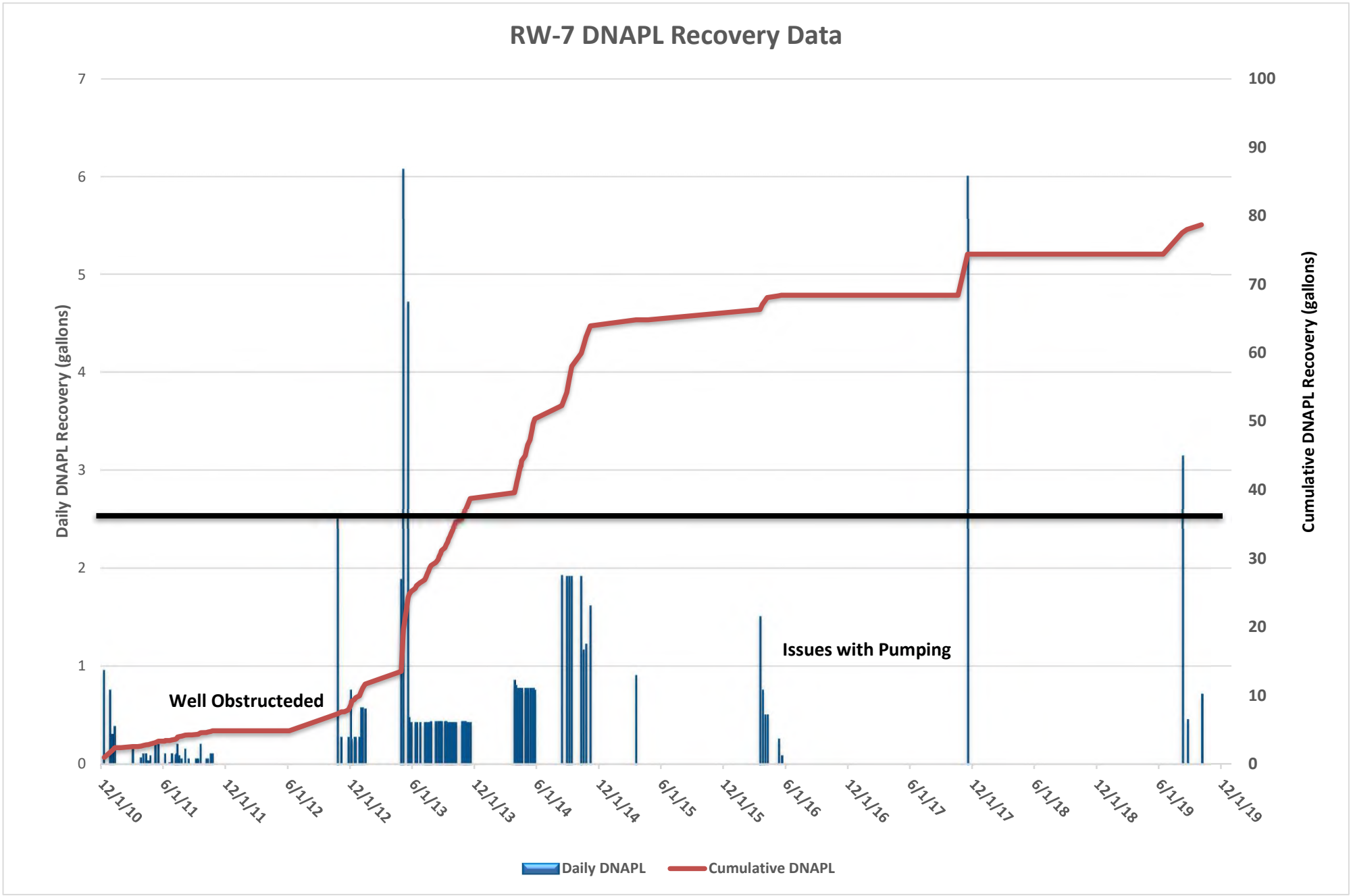

RW-1 DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovery (gallons)
7
6
5
4
3
2
1
0
100
90
80
70
60
50
40
30
20
10
0
2/1/10
8/1/10
2/1/11
8/1/11
2/1/12
8/1/12
2/1/13
8/1/13
2/1/14
8/1/14
2/1/15
8/1/15
2/1/16
8/1/16
2/1/17
8/1/17
2/1/18
8/1/18
2/1/19
8/1/19
Daily DNAPL
Cumulative DNAPL

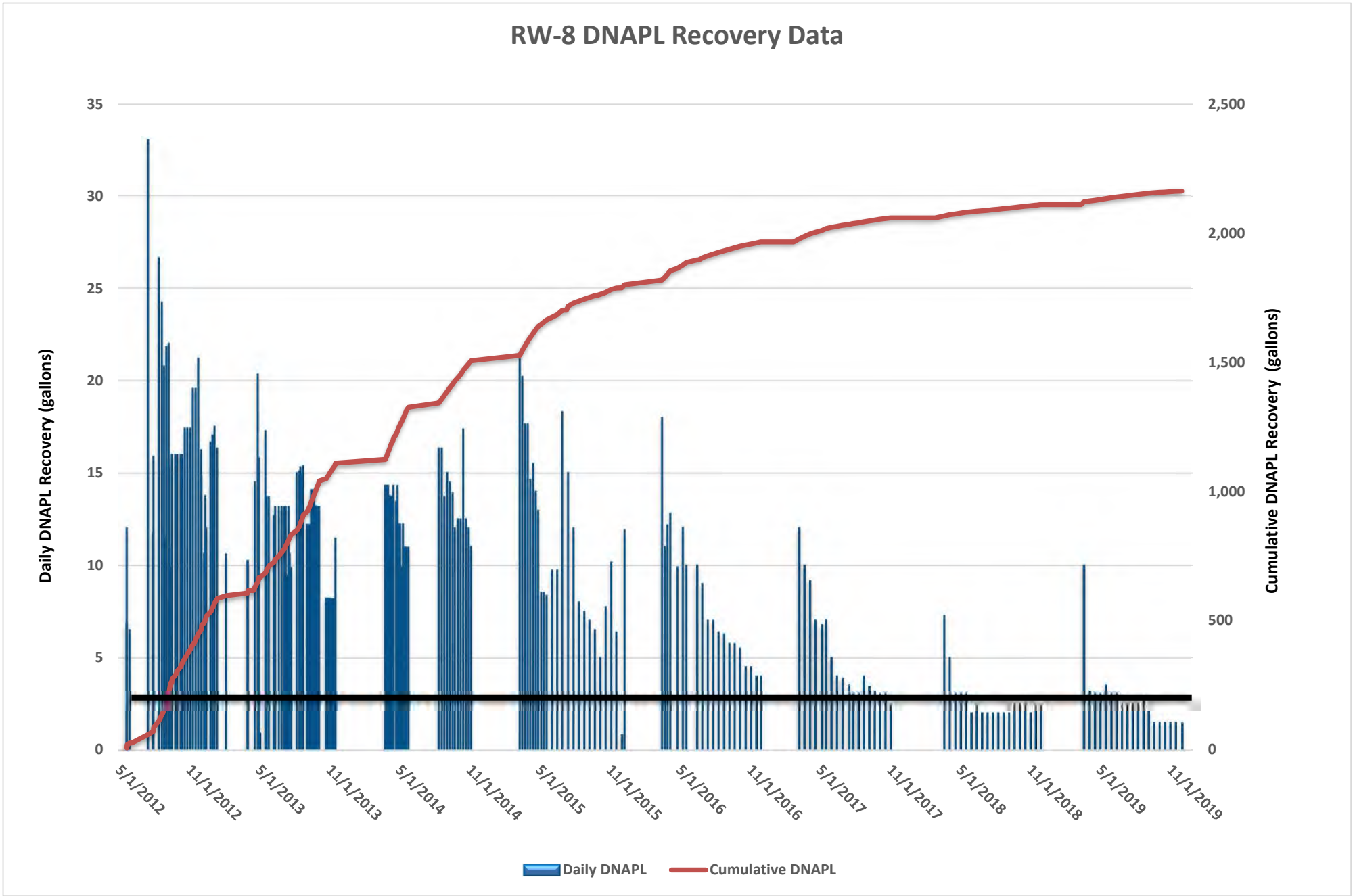

RW-2 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
5
4
3
2
1
0
100
90
80
70
60
50
40
30
20
10
0
Well Damaged
2/1/2010
8/1/2010
2/1/2011
8/1/2011
2/1/2012
8/1/2012
2/1/2013
8/1/2013
2/1/2014
8/1/2014
2/1/2015
8/1/2015
2/1/2016
8/1/2016
2/1/2017
8/1/2017
2/1/2018
8/1/2018
2/1/2019
8/1/2019
Daily DNAPL
Cumulative DNAPL

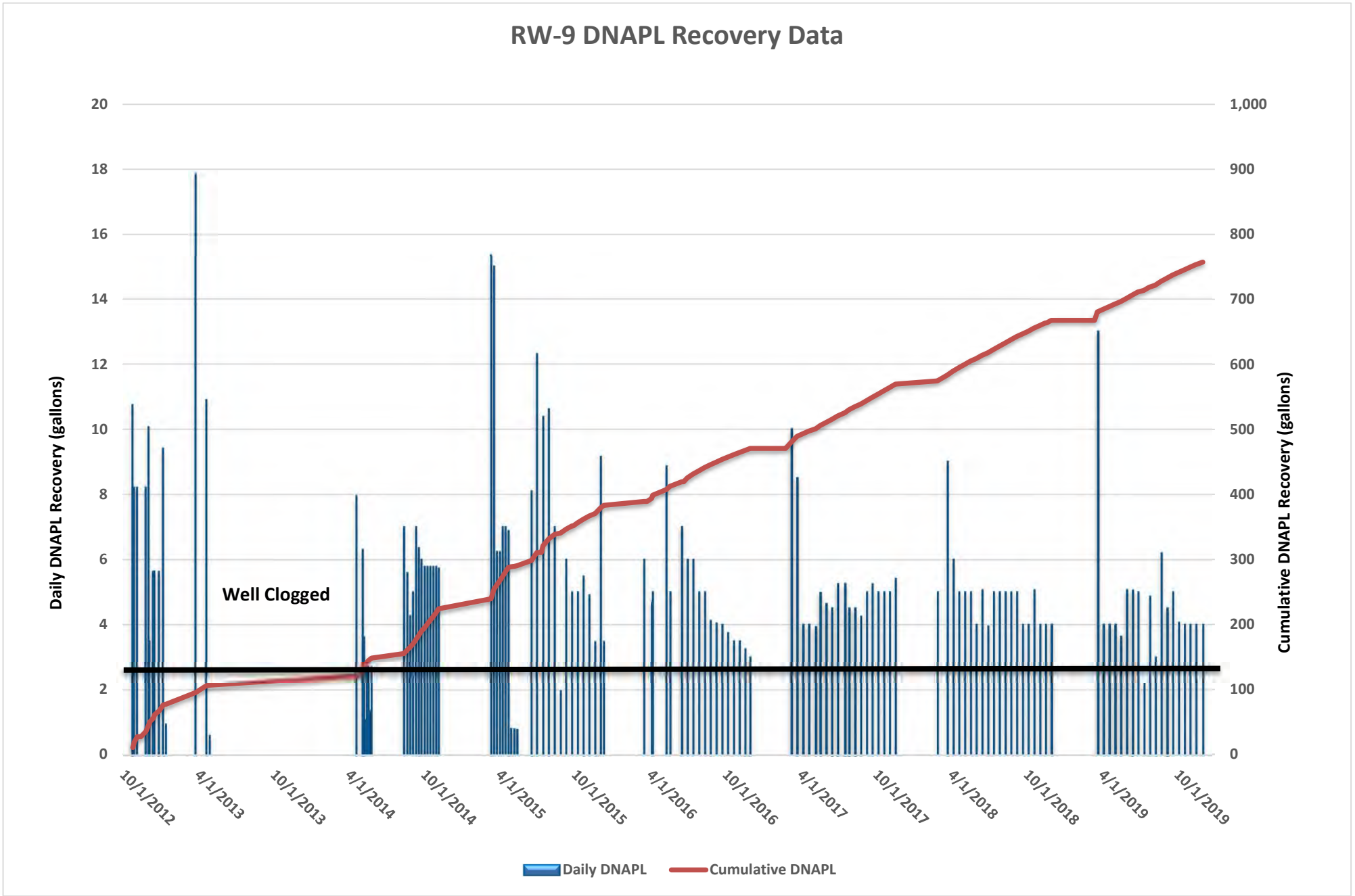

RW-3 DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cululative DNAPL Recovery (gallons)
10
9
8
7
6
5
4
3
2
1
0
100
90
80
70
60
50
40
30
20
10
0
2/1/10
8/1/10
2/1/11
8/1/11
2/1/12
8/1/12
2/1/13
8/1/13
2/1/14
8/1/14
2/1/15
8/1/15
2/1/16
8/1/16
2/1/17
8/1/17
2/1/18
8/1/18
2/1/19
8/1/19
Daily DNAPL
Cumulative DNAPL

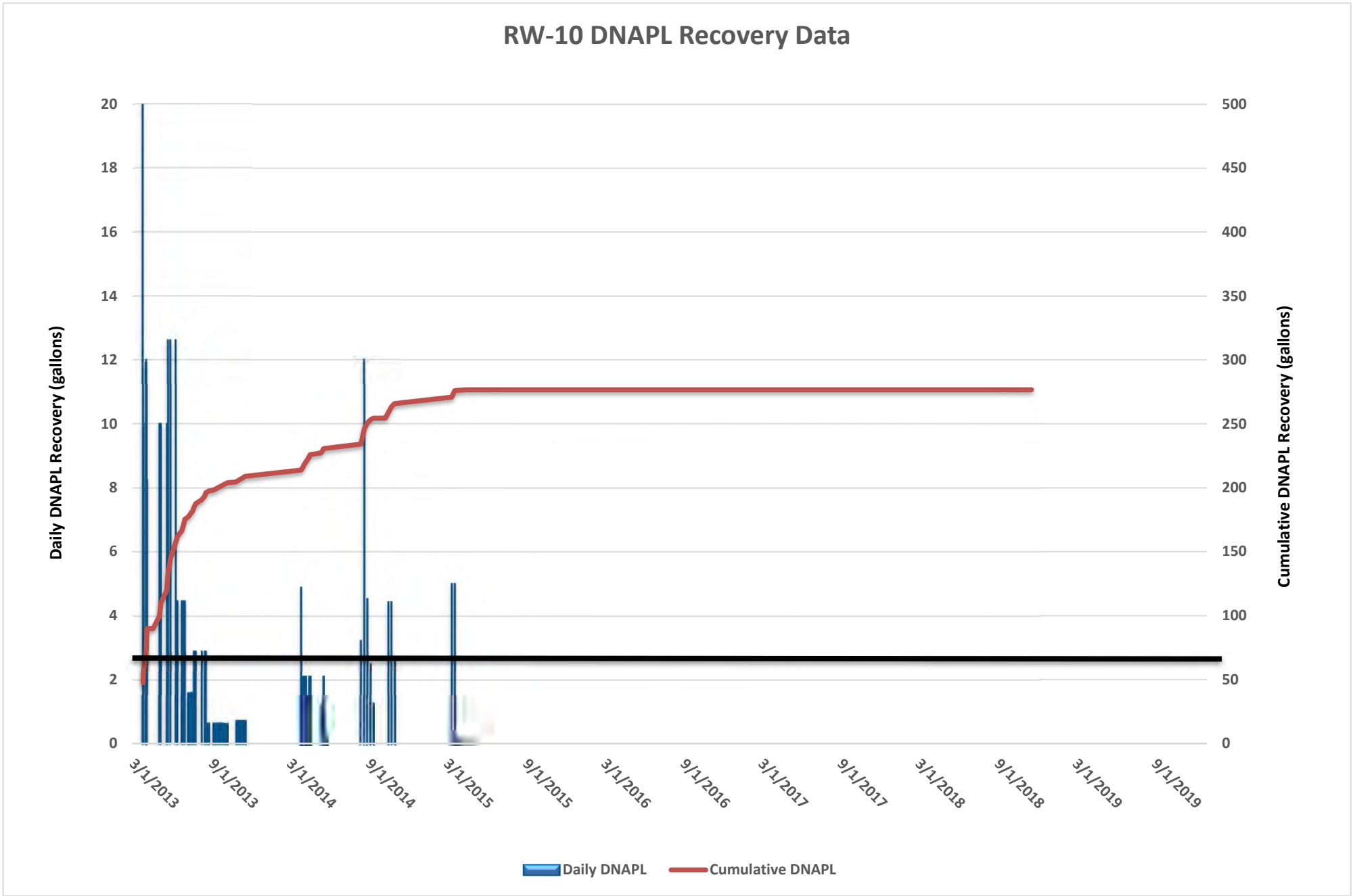

RW-4 DNAPL Recovery Data
Daily DNAPL Recovered (gallons)
Cumulative DNAPL Recovered (gallons)
Halt in Recovery
35
30
25
20
15
10
5
0
500
450
400
350
300
250
200
150
100
50
0
12/1/09
6/1/10
12/1/10
6/1/11
12/1/11
6/1/12
12/1/12
6/1/13
12/1/13
6/1/14
12/1/14
6/1/15
12/1/15
6/1/16
12/1/16
6/1/17
12/1/17
6/1/18
12/1/18
6/1/19
12/1/19
Daily DNAPL
Cumulative DNAPL

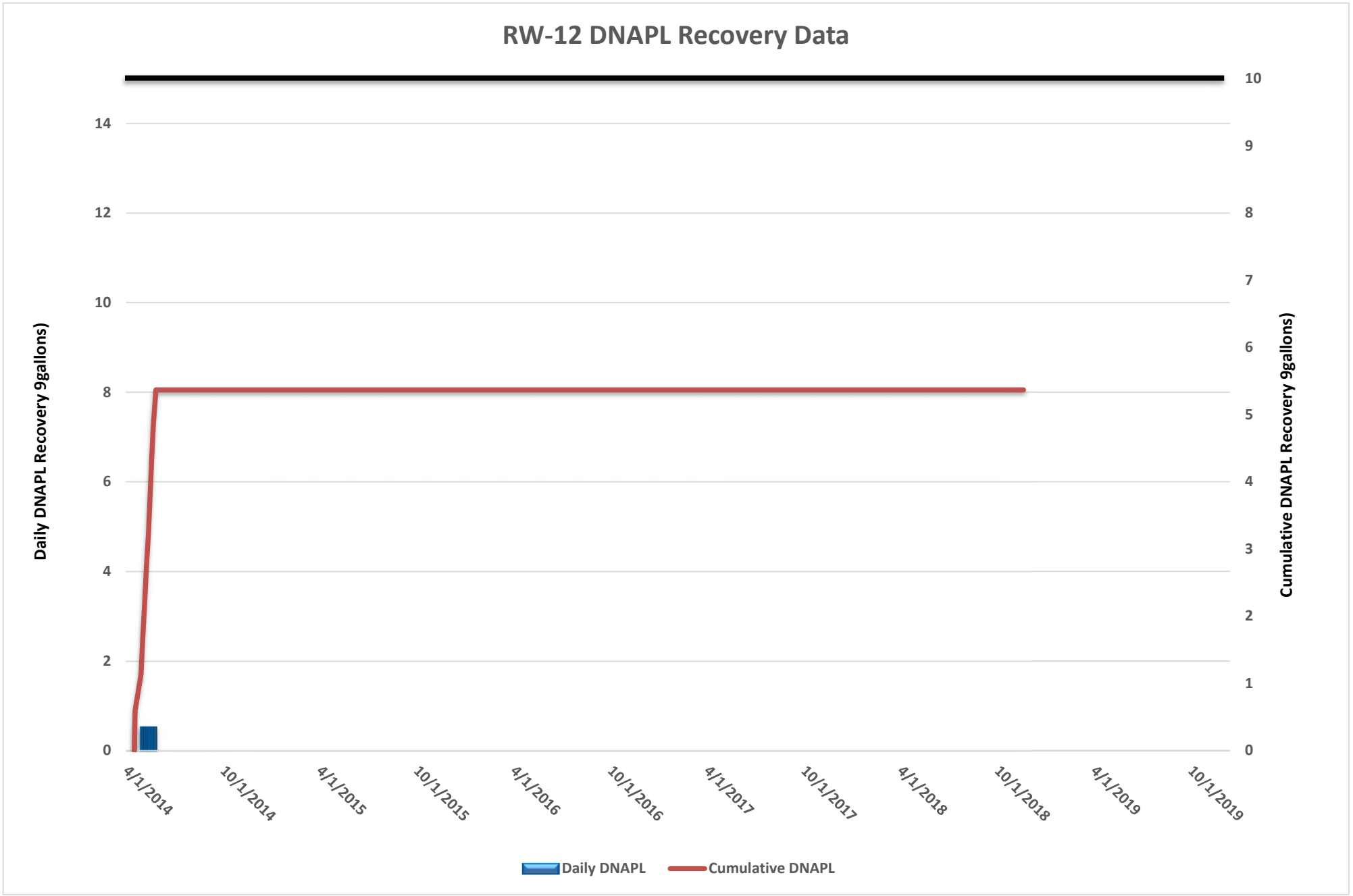

RW-5 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
10
9
8
7
6
5
4
3
2
1
0
500
450
400
350
300
250
200
150
100
50
0
2/1/10
8/1/10
2/1/11
8/1/11
2/1/12
8/1/12
2/1/13
8/1/13
2/1/14
8/1/14
2/1/15
8/1/15
2/1/16
8/1/16
2/1/17
8/1/17
2/1/18
8/1/18
2/1/19
8/1/19
Well Casing Broken
Well Plugged
Daily DNAPL
Cumulative DNAPL

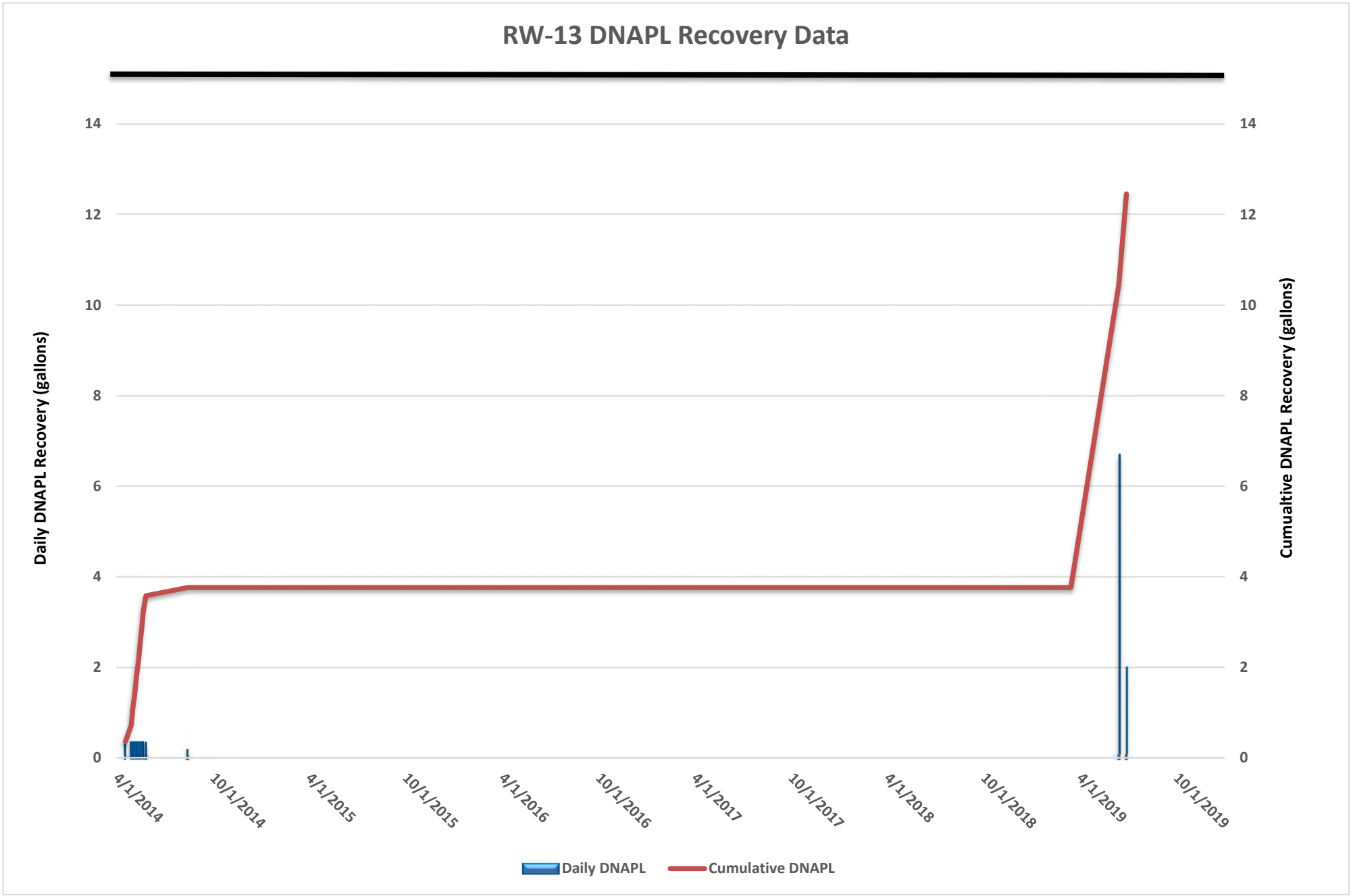

RW-7 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
80
90
100
12/1/10
6/1/11
12/1/11
6/1/12
12/1/12
6/1/13
12/1/13
6/1/14
12/1/14
6/1/15
12/1/15
6/1/16
12/1/16
6/1/17
12/1/17
6/1/18
12/1/18
6/1/19
12/1/19
Well Obstructeded
Issues with Pumping
Daily DNAPL
Cumulative DNAPL

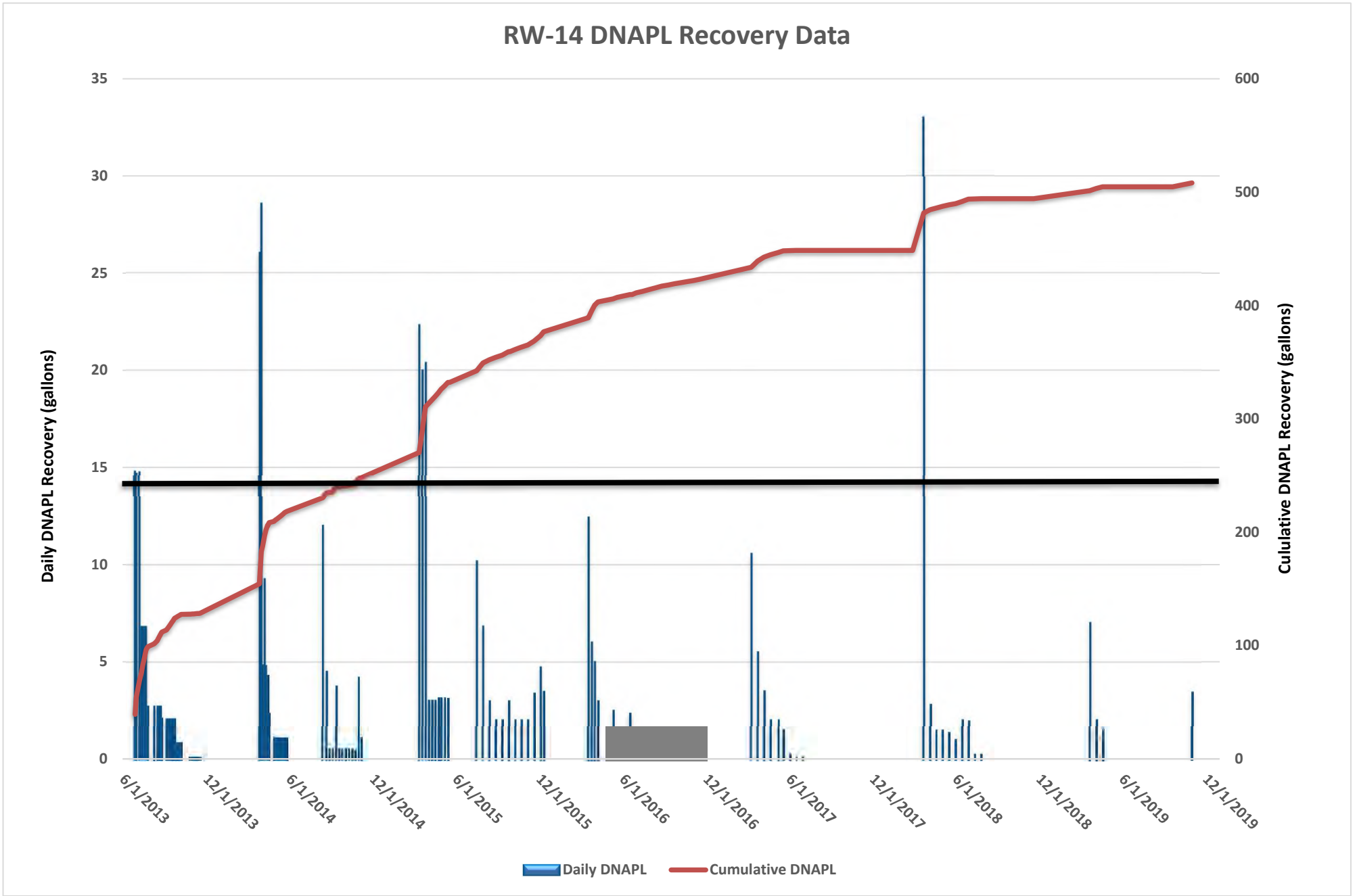

RW-8 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
35
30
25
20
15
10
5
0
2,500
2,000
1,500
1,000
500
0
5/1/2012
11/1/2012
5/1/2013
11/1/2013
5/1/2014
11/1/2014
5/1/2015
11/1/2015
5/1/2016
11/1/2016
5/1/2017
11/1/2017
5/1/2018
11/1/2018
5/1/2019
11/1/2019
Daily DNAPL
Cumulative DNAPL

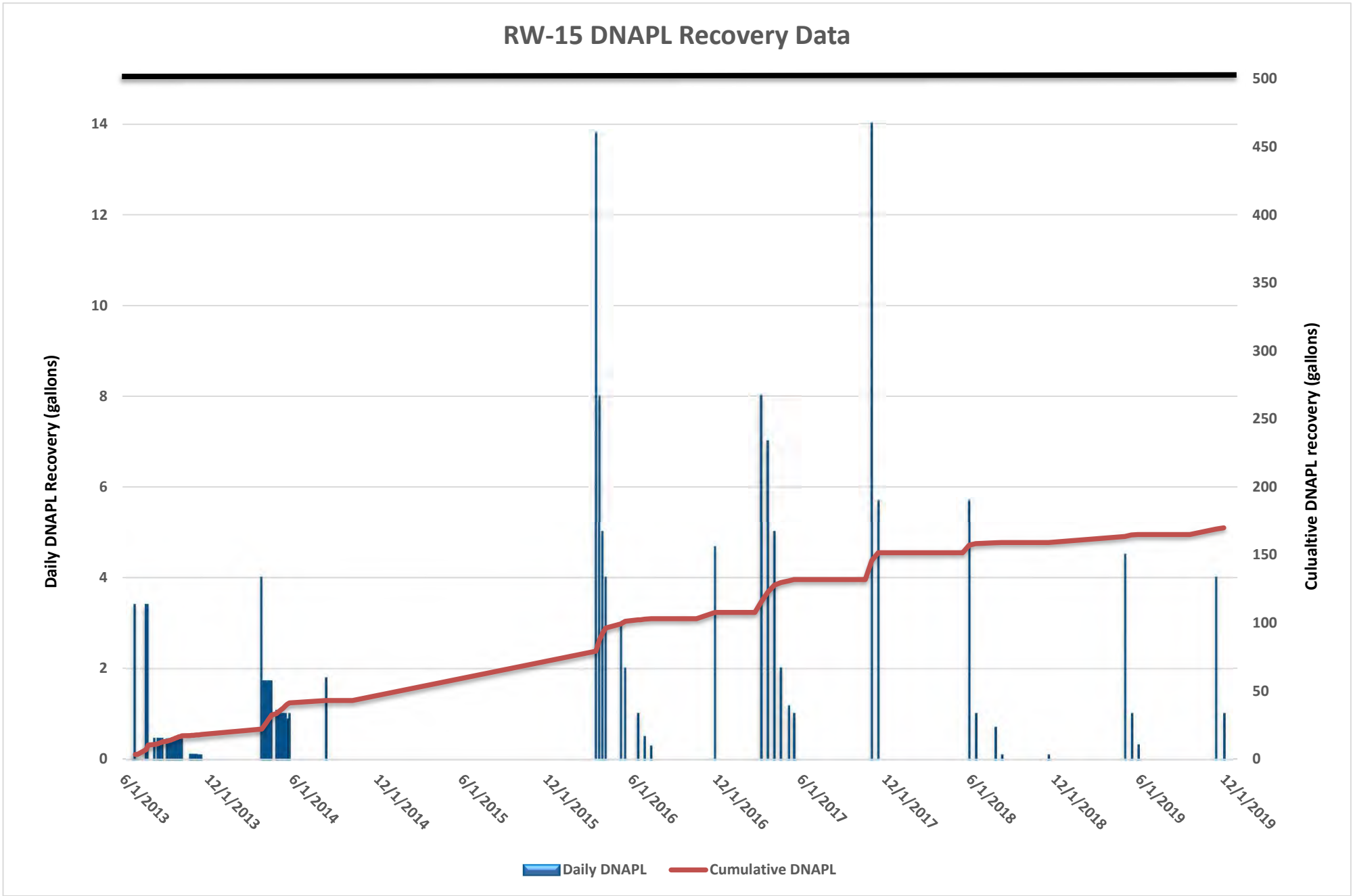

RW-9 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
20
18
16
14
12
10
8
6
4
2
0
1,000
900
800
700
600
500
400
300
200
100
0
Well Clogged
10/1/2012
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
Daily DNAPL
Cumulative DNAPL

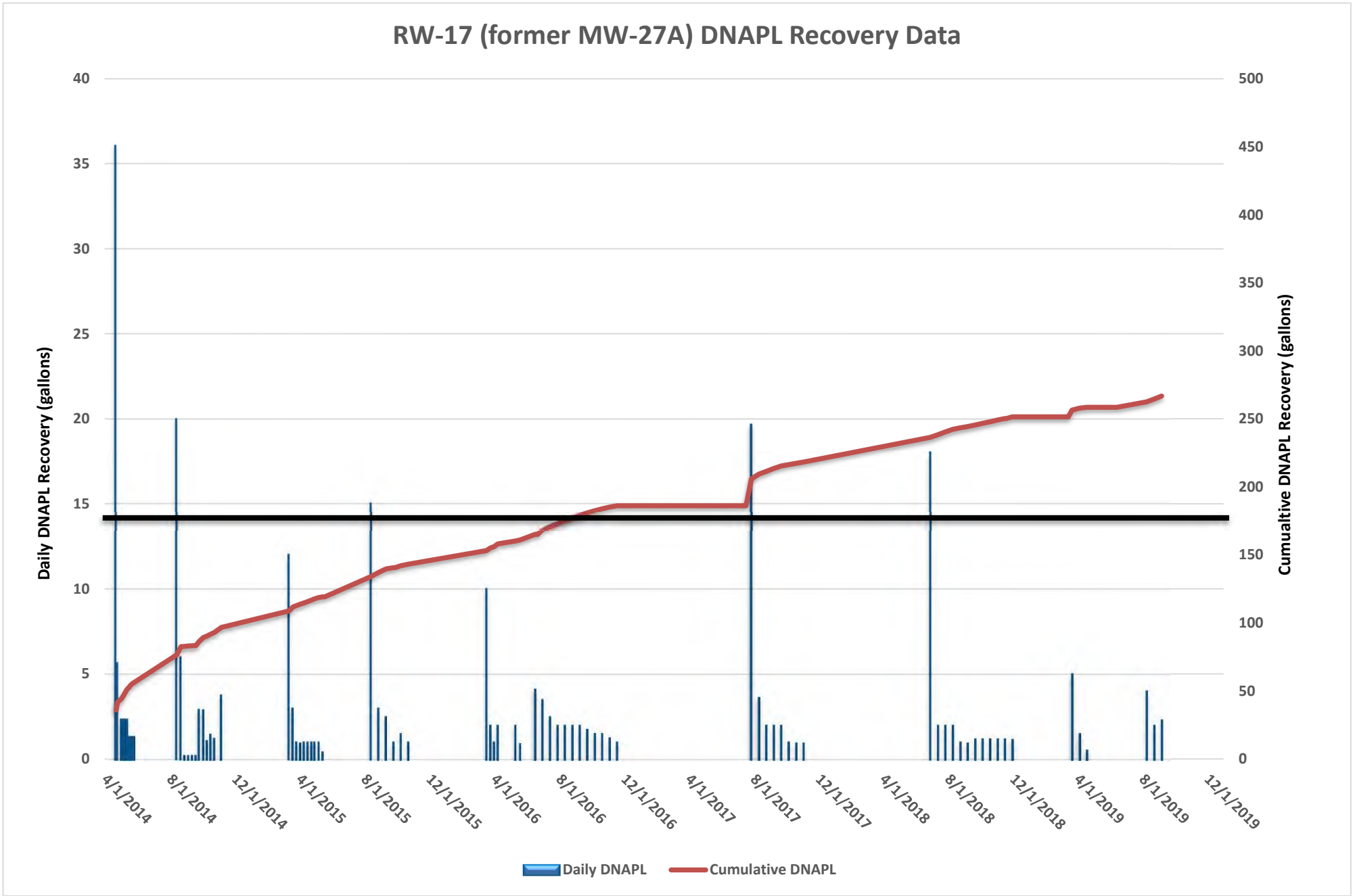

RW-10 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
20
18
16
14
12
10
8
6
4
2
0
500
450
400
350
300
250
200
150
100
50
0
3/1/2013
9/1/2013
3/1/2014
9/1/2014
3/1/2015
9/1/2015
3/1/2016
9/1/2016
3/1/2017
9/1/2017
3/1/2018
9/1/2018
3/1/2019
9/1/2019
Daily DNAPL
Cumulative DNAPL

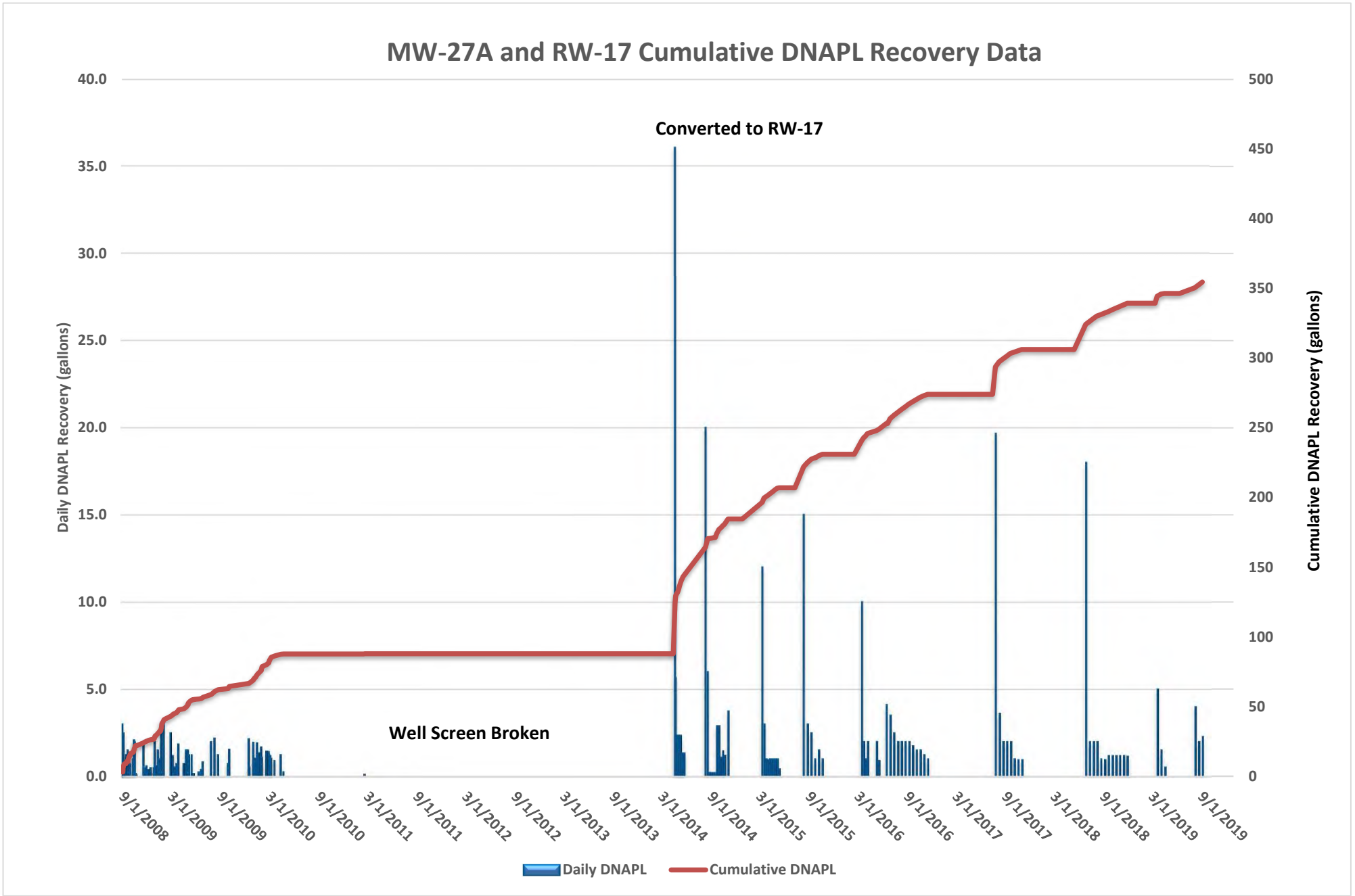

RW-12 DNAPL Recovery Data
Daily DNAPL Recovery 9gallons)
Cumulative DNAPL Recovery 9gallons)
14
12
10
8
6
4
2
0
10
9
8
7
6
5
4
3
2
1
0
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
Daily DNAPL
Cumulative DNAPL

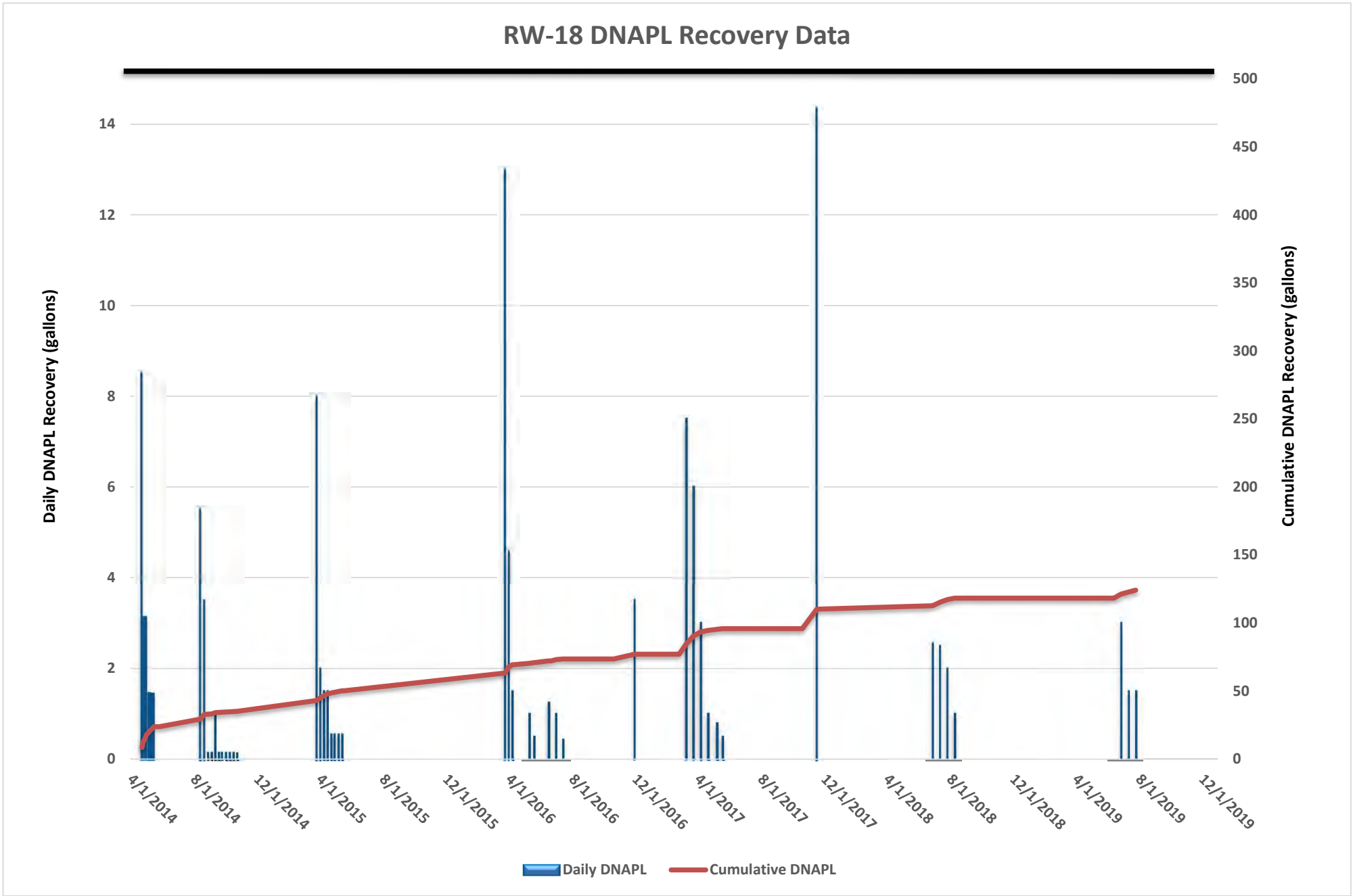

RW-13 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumualtive DNAPL Recovery (gallons)
0
2
4
6
8
10
12
14
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
Daily DNAPL
Cumulative DNAPL


RW-14 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cululative DNAPL Recovery (gallons)
35
30
25
20
15
10
5
0
600
500
400
300
200
100
0
6/1/2013
12/1/2013
6/1/2014
12/1/2014
6/1/2015
12/1/2015
6/1/2016
12/1/2016
6/1/2017
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
Daily DNAPL
Cumulative DNAPL


RW-15 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Culualtive DNAPL recovery (gallons)
0
2
4
6
8
10
12
14
0
50
100
150
200
250
300
350
400
450
500
6/1/2013
12/1/2013
6/1/2014
12/1/2014
6/1/2015
12/1/2015
6/1/2016
12/1/2016
6/1/2017
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
Daily DNAPL
Cumulative DNAPL


RW-17 (former MW-27A) DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumualtive DNAPL Recovery (gallons)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400
450
500
4/1/2014
8/1/2014
12/1/2014
4/1/2015
8/1/2015
12/1/2015
4/1/2016
8/1/2016
12/1/2016
4/1/2017
8/1/2017
12/1/2017
4/1/2018
8/1/2018
12/1/2018
4/1/2019
8/1/2019
12/1/2019
Daily DNAPL
Cumulative DNAPL


MW-27A and RW-17 Cumulative DNAPL Recovery Data
Converted to RW-17
Well Screen Broken
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
500
450
400
350
300
250
200
150
100
50
0
9/1/2008
3/1/2009
9/1/2009
3/1/2010
9/1/2010
3/1/2011
9/1/2011
3/1/2012
9/1/2012
3/1/2013
9/1/2013
3/1/2014
9/1/2014
3/1/2015
9/1/2015
3/1/2016
9/1/2016
3/1/2017
9/1/2017
3/1/2018
9/1/2018
3/1/2019
9/1/2019
Daily DNAPL
Cumulative DNAPL


RW-18 DNAPL Recovery Data
Daily DNAPL Recovery (gallons)
Cumulative DNAPL Recovery (gallons)
0
2
4
6
8
10
12
14
0
50
100
150
200
250
300
350
400
450
500
4/1/2014
8/1/2014
12/1/2014
4/1/2015
8/1/2015
12/1/2015
4/1/2016
8/1/2016
12/1/2016
4/1/2017
8/1/2017
12/1/2017
4/1/2018
8/1/2018
12/1/2018
4/1/2019
8/1/2019
12/1/2019
Daily DNAPL
Cumulative DNAPL

ARCADIS Design & Consultancy for natural and built assets

Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
P-1	8/4/2000	--	--	OBS	--	--	--	DNAPL at bottom
P-1	11/13/2000	--	--	0.00	--	--	--	Clear water, sheen present, odor
P-1	2/1/2001	--	--	OBS	--	--	--	sheen present, brown, odor, globules seen in bailer
P-1	12/11/2001	--	--	0.00	--	--	--	Cloudy, sheen present, odor
* Well abandoned 08/2006 for construction								
MW-3S	8/4/2000	--	--	OBS	--	--	--	Clear water, odor, some DNAPL sheen present
MW-3S	11/13/2000	--	--	OBS	--	--	--	DNAPL on bottom of bailer
MW-3S	2/1/2001	--	--	0.33	--	--	--	DNAPL on bottom of bailer
MW-3S	12/11/2001	--	--	0.33	--	--	--	
MW-3S	8/11/2003	--	--	0.50	--	--	--	DNAPL on bottom of bailer
MW-3S	9/9/2004	--	--	0.00	--	--	--	Cloudy, sheen present, odor
* Well abandoned 08/2006 for construction								
MW-3D	8/4/2000	--	--	OBS	--	--	--	DNAPL at bottom of bailer, Clear water, odor
MW-3D	11/13/2000	--	--	0.00	--	--	--	Grey, sheen present, odor
MW-3D	2/1/2001	--	--	0.00	--	--	--	Clear water, odor, sheen present
MW-3D	12/11/2001	--	--	0.00	--	--	--	Clear water, odor
MW-3D	8/11/2003	--	--	0.16	--	--	--	DNAPL on bottom of bailer
MW-3D	9/9/2004	--	--	OBS	--	--	--	Cloudy, sheen present, strong odor, trace DNAPL in bailer
* Well abandoned 08/2006 for construction								
MW-12D	8/4/2000	--	--	NM	--	--	--	
MW-12D	11/13/2000	--	--	NM	--	--	--	
MW-12D	2/1/2001	--	--	NM	--	--	--	
MW-12D	6/21/2001	5.70	--	0.00	--	--	--	Cloudy, sheen present, odor
MW-12D	12/11/2001	5.52	--	OBS	--	--	--	DNAPL noted in well after purging 5 gallons of water
MW-12D	8/11/2003	6.12	--	0.00	--	--	--	Odor, DNAPL globules in bailer
MW-12D	10/29/2003	5.40	--	1.00	--	--	--	
MW-12D	2/17/2004	--	--	0.65	--	--	--	
MW-12D	9/9/2004	6.19	--	1.00	--	--	--	Clear water to yellow, sheen present present, odor
MW-12D	6/28/2007	--	--	NM	--	--	--	
MW-12D	7/5/2007	--	--	1.00	--	--	--	
MW-12D	7/24/2007	6.57	--	0.85	--	--	--	Red globules and sheen present in bailer
MW-12D	8/6/2007	--	--	1.50	--	--	--	

Notes:
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MW-12D	8/9/2007	--	--	NM	--	--	--	
MW-12D	10/15/2007	--	--	0.80	--	--	--	
MW-12D	10/17/2007	--	--	0.13	--	--	--	Clear water of DNAPL at 4.0 gal of purging; no drawdown in well
MW-12D	10/19/2007	--	--	0.05	--	--	--	
MW-12D	11/30/2007	6.04	--	0.04	--	--	--	
MW-12D	3/5/2008	4.43	--	0.20	--	--	--	Clear water, sheen present, odor remaining after 1.0 gal of DNAPL/water purged
MW-12D	4/10/2008	--	--	0.33	--	--	--	
MW-12D	9/9/2008	--	--	0.70	0.05	0.15	0.050	
MW-12D	9/12/2008	--	--	0.50	0.05	0.15	0.100	
MW-12D	9/12/2008	--	--	0.50	0.05	0.15	0.150	
MW-12D	9/18/2008	--	--	0.30	0.10	0.15	0.250	
MW-12D	9/24/2008	--	--	0.20	0.05	0.20	0.300	
MW-12D	9/26/2008	--	--	0.25	0.05	0.20	0.350	
MW-12D	9/30/2008	--	--	0.10	0.01	0.15	0.360	
MW-12D	10/1/2008	--	--	0.20	0.05	0.15	0.410	
MW-12D	10/2/2008	--	--	0.05	0.05	0.15	0.460	Recorded 0.05' DNAPL
MW-12D	10/3/2008	--	--	0.05	0.05	0.15	0.510	Recorded 0.05' DNAPL
MW-12D	10/14/2008	--	--	0.05	0.05	0.15	0.560	Recorded 0.05' DNAPL
MW-12D	10/17/2008	--	--	0.05	0.05	0.40	0.610	Recorded 0.05' DNAPL
MW-12D	10/21/2008	--	--	0.05	0.05	0.24	0.660	Recorded 0.05' DNAPL
MW-12D	10/24/2008	--	--	0.05	0.05	0.24	0.710	Recorded 0.05' DNAPL
MW-12D	10/28/2008	--	--	0.00	0.00	0.25	0.710	Trace DNAPL on outside of bailer
MW-12D	11/21/2008	--	--	0.05	0.05	0.24	0.760	Recorded 0.05' DNAPL
MW-12D	11/25/2008	--	--	0.00	0.00	0.25	0.760	Trace DNAPL on bailer
MW-12D	12/2/2008	--	--	0.00	0.00	0.25	0.760	Trace DNAPL on bailer
MW-12D	12/4/2008	--	--	0.00	0.00	0.25	0.760	Trace DNAPL on bailer
MW-12D	12/9/2008	--	--	0.00	0.00	0.25	0.760	Trace DNAPL staining on bailer
MW-12D	12/18/2008	--	--	0.00	0.00	0.25	0.760	Slight DNAPL staining on bailer on bottom of bailer
MW-12D	12/30/2008	--	--	0.00	0.00	0.25	0.760	Slight DNAPL staining on bailer on bottom of bailer
MW-12D	1/2/2009	5.54	--	0.00	0.00	0.25	0.760	Slight DNAPL staining on bailer on bottom of bailer
MW-12D	1/7/2009	--	--	0.00	0.00	0.25	0.760	Slight DNAPL staining on bailer on bottom of bailer, ~1.0' of dark grey water in bailer, globules in bailer
MW-12D	1/14/2009	--	--	0.01	0.01	0.24	0.770	DNAPL staining on bailer, globules on bottom of bailer
MW-12D	1/20/2009	--	--	0.00	0.00	0.25	0.770	DNAPL staining on bailer bottom
MW-12D	1/23/2009	--	--	0.01	0.00	0.24	0.770	Trace DNAPL staining on bailer
MW-12D	1/26/2009	--	--	0.01	0.00	0.24	0.770	DNAPL staining on bailer
MW-12D	1/27/2009	--	--	0.00	0.00	0.25	0.770	DNAPL staining on bailer

Notes:
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MW-12D	1/28/2009	--	--	0.00	0.00	0.25	0.770	DNAPL staining on bailer
MW-12D	2/5/2009	--	--	0.00	0.00	0.25	0.770	DNAPL staining on bailer
MW-12D	3/3/2009	5.43	--	0.30	0.06	0.44	0.830	
MW-12D	3/11/2009	5.58	5.64	0.12	0.05	0.45	0.880	
MW-12D	3/17/2009	5.96	6.07	0.18	0.05	0.70	0.930	
MW-12D	3/25/2009	4.81	4.87	0.30	0.05	0.70	0.980	
MW-12D	3/31/2009	5.18	5.25	0.10	0.01	0.49	0.990	
MW-12D	4/20/2009	5.13	5.22	0.01	0.00	0.50	0.990	
MW-12D	4/29/2009	5.46	5.52	0.05	0.00	0.50	0.990	
MW-12D	5/6/2009	5.59	5.62	0.10	0.00	0.50	0.991	
MW-12D	5/11/2009	5.53	5.59	0.00	0.00	0.25	0.991	DNAPL staining on bailer
MW-12D	5/20/2009	5.40	5.45	0.05	0.01	0.24	1.001	
MW-12D	5/27/2009	5.81	5.85	0.01	0.01	0.24	1.011	
MW-12D	6/15/2009	5.47	5.53	0.10	0.01	0.24	1.021	
MW-12D	6/24/2009	5.26	5.57	0.18	0.04	0.46	1.061	
MW-12D	6/30/2009	5.93	6.07	0.15	0.05	0.95	1.111	
MW-12D	7/31/2009	5.80	5.90	0.03	0.01	0.24	1.121	
MW-12D	8/13/2009	6.12	6.17	0.15	0.02	0.48	1.141	Light grey in color
MW-12D	8/26/2009	6.68	6.76	0.25	0.10	0.40	1.241	
MW-12D	10/2/2009	5.49	5.56	0.30	0.10	0.24	1.341	
MW-12D	10/6/2009	6.03	6.10	0.15	0.03	0.47	1.371	
MW-12D	12/18/2009	5.62	5.67	0.20	0.02	0.48	1.391	
MW-12D	1/26/2010	5.33	5.38	0.20	0.04	0.71	1.431	
MW-12D	2/3/2010	6.20	6.28	0.20	0.05	0.70	1.481	
MW-12D	2/22/2010	5.38	9.54	0.20	0.05	0.70	1.531	
MW-12D	3/1/2010	5.92	6.01	0.20	0.05	0.70	1.581	
MW-12D	3/9/2010	6.10	6.16	0.20	0.03	0.72	1.611	
MW-12D	4/16/2010	6.03	6.11	0.33	0.04	0.71	1.651	
MW-12D	6/1/2010	6.08	6.12	0.33	0.04	0.71	1.691	
MW-12D	7/6/2010	6.56	6.64	0.25	0.05	0.95	1.741	
MW-12D	8/3/2010	6.86	6.93	0.01	0.01	0.49	1.751	
MW-12D	8/10/2010	7.06	7.06	0.00	0.00	0.25	1.751	DNAPL staining on bailer
MW-12D	8/30/2010	7.21	--	0.05	--	NB	1.751	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-12D	2/18/2011	6.20	--	1.25	--	NB	1.751	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-12D	2/22/2011	4.73	--	1.81	0.21	0.55	1.956	
MW-12D	3/4/2011	5.28	--	0.20	0.02	0.48	1.976	
MW-12D	4/4/2011	4.59	--	0.00	0.00	0.25	1.976	DNAPL staining on bailer
MW-12D	4/12/2011	4.59	--	0.70	0.15	0.35	2.126	
MW-12D	4/19/2011	4.55	--	0.10	0.00	0.08	2.126	0.5' DNAPL on outside of bailer; Bottom at 19.92'
MW-12D	4/25/2011	4.12	--	0.50	0.05	0.45	2.176	
MW-12D	5/9/2011	5.50	--	0.25	0.02	0.23	2.196	

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MW-12D	5/18/2011	5.73	--	0.20	0.02	0.23	2.216	Bottom at 19.88'
MW-12D	6/6/2011	6.28	--	0.60	--	NB	2.216	Bottom at 19.88'; Measured for DNAPL with tape
MW-12D	6/7/2011	6.27	--	0.60	0.05	0.20	2.266	
MW-12D	6/16/2011	--	--	0.30	0.03	0.22	2.296	
MW-12D	6/20/2011	5.44	--	0.20	0.01	0.24	2.306	
MW-12D	6/27/2011	4.72	--	0.40	0.01	0.24	2.316	
MW-12D	7/8/2011	--	--	0.20	0.02	0.25	2.336	
MW-12D	7/13/2011	6.60	--	0.50	0.05	0.11	2.384	
MW-12D	7/18/2011	6.73	--	0.20	0.0025	0.2475	2.387	
MW-12D	7/25/2011	6.50	--	0.20	0.00	0.25	2.389	
MW-12D	8/5/2011	6.93	--	0.04	0.003	0.247	2.392	
MW-12D	8/24/2011	6.75	--	0.20	0.0025	0.2475	2.395	
MW-12D	10/6/2011	6.60	--	0.00	0.0000	0.2500	2.395	
MW-12D	11/8/2011	6.06	--	0.00	0.0000	0.2500	2.395	DNAPL staining on bailer
MW-12D	6/5/2012	--	--	1.15'	--	NB	2.395	Bottom at 20.02'
MW-12D	11/14/2012	--	--	1.20	--	NB	2.395	
MW-12D	1/9/2013	--	--	1.60	--	NB	2.395	Bottom at 20.00'
MW-12D	4/18/2013	--	--	1.80	--	NB	2.395	
MW-12D	8/23/2013	--	--	2.70	--	NB	2.395	Bottom at 20.00'
MW-12D	4/16/2014	--	--	3.20	0.0000	0.0000	2.395	Bottom at 20.0'
MW-12D	12/29/2014	--	--	3.20	0.0000	0.0000	2.395	Bottom at 20.40'
MW-12D	3/4/2015	--	--	3.40	0.0000	0.0000	2.395	Bottom at 20.40'
MW-12D	5/19/2015	--	--	2.50	0.0000	0.0000	2.395	Bottom at 20.20'
MW-12D	7/13/2015	--	--	3.70	0.0000	0.0000	2.395	
MW-12D	1/6/2016	--	--	3.25	0.0000	0.0000	2.395	Bottom at 20.20'
MW-12D	2/19/2016	--	--	3.75	0.0000	0.0000	2.395	Bottom at 20.20'
MW-12D	6/14/2016	--	--	3.20	0.0000	0.0000	2.395	Bottom at 20.25'
MW-12D	6/29/2016	--	--	--	0.5400	0.7100	2.935	Bail
MW-12D	9/9/2016	--	--	1.20	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	10/21/2016	--	--	1.40	0.0000	0.0000	2.935	Bottom at 19.40'
MW-12D	12/2/2016	--	--	1.40	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	2/24/2017	--	--	1.80	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	4/21/2017	--	--	1.85	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	7/21/2017	--	--	2.80	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	10/20/2017	--	--	2.80	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	2/27/2018	--	--	2.50	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	5/18/2018	--	--	2.65	0.0000	0.0000	2.935	Bottom at 19.70'
MW-12D	6/14/2018	--	--	--	0.6900	0.5600	3.625	Bail
MW-12D	8/10/2018	--	--	0.10	0.0000	0.0000	3.625	Bottom at 19.70'
MW-12D	11/19/2018	--	--	0.05	0.0000	0.0000	3.625	Bottom at 17.20'; did not reach bottom
MW-12D	3/15/2019	--	--	0.05	0.0000	0.0000	3.625	Bottom at 17.20'; did not reach bottom
MW-12D	6/14/2019	--	--	0.10	0.0000	0.0000	3.625	Bottom at 17.00'; did not reach bottom
MW-12D	9/20/2019	--	--	0.30	0.0000	0.0000	3.625	Bottom at 17.00'; did not reach bottom

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MW-14D	8/4/2000	--	--	NM	--	--	--	
MW-14D	11/13/2000	--	--	NM	--	--	--	
MW-14D	2/1/2001	--	--	NM	--	--	--	
MW-14D	6/21/2001	--	--	NM	--	--	--	
MW-14D	12/11/2001	--	--	NM	--	--	--	
MW-14D	8/11/2003	7.00	--	N OBS	--	--	--	Cloudy, odor
MW-14D	10/29/2003	6.20	--	NM	--	--	--	
MW-14D	2/17/2004	--	--	0.01	--	--	--	
MW-14D	9/9/2004	6.99	--	N OBS	--	--	--	Clear water, odor
MW-14D	6/28/2007	--	--	NM	--	--	--	
MW-14D	7/5/2007	--	--	0.79	--	--	--	
MW-14D	7/24/2007	5.73	--	0.01	--	--	--	Odor, slight black floculants seen in bailer
MW-14D	8/6/2007	--	--	0.05	--	--	--	
MW-14D	8/9/2007	--	--	NM	--	--	--	
MW-14D	10/15/2007	--	--	1.00	--	--	--	
MW-14D	10/17/2007	--	--	NM	--	--	--	
MW-14D	10/19/2007	--	--	0.50	--	--	--	Clear water of DNAPL after purging 3.0 gallons
MW-14D	11/30/2007	6.81	--	0.90	--	--	--	
MW-14D	3/5/2008	5.17	--	0.00	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-14D	4/10/2008	--	--	0.05	--	--	--	
MW-14D	9/9/2008	--	--	0.30	0.05	0.15	0.05	
MW-14D	9/12/2008	--	--	0.20	0.05	0.15	0.10	Water in bailer was pink in color due to tracer study
MW-14D	9/18/2008	--	--	0.20	0.10	0.15	0.20	
MW-14D	9/24/2008	--	--	0.15	0.05	>0.15	0.25	
MW-14D	9/26/2008	--	--	0.10	0.01	0.24	0.26	
MW-14D	9/26/2008	--	--	0.10	0.01	0.24	0.27	
MW-14D	10/1/2008	--	--	0.10	0.05	0.15	0.32	
MW-14D	10/2/2008	--	--	0.10	0.05	0.15	0.37	Water in bailer was pink in color due to tracer study
MW-14D	10/3/2008	--	--	0.10	0.05	0.15	0.42	Water in bailer was pink in color due to tracer study
MW-14D	10/14/2008	--	--	0.10	0.05	0.15	0.47	
MW-14D	10/17/2008	--	--	0.25	0.05	0.40	0.52	
MW-14D	10/21/2008	--	--	0.05	0.05	0.24	0.57	Recorded 0.05' DNAPL
MW-14D	10/24/2008	--	--	0.05	0.05	0.24	0.62	Recorded 0.05' DNAPL
MW-14D	10/27/2008	--	--	0.05	0.05	0.24	0.67	water in bailer was pink in color due to tracer study; recorded 0.05' DNAPL
MW-14D	11/21/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer, water color pinkish due to tracer study
MW-14D	11/25/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer, water color pinkish due to tracer study
MW-14D	12/2/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer, water color pinkish due to tracer study
MW-14D	12/4/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer, water color pinkish due to tracer study

Notes:
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MW-14D	12/9/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer, water color pinkish due to tracer study
MW-14D	12/18/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer
MW-14D	12/30/2008	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer
MW-14D	1/2/2009	6.09	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer
MW-14D	1/7/2009	--	--	0.00	0.00	0.25	0.67	DNAPL staining on the bottom outside of bailer
MW-14D	1/14/2009	--	--	0.00	0.00	0.25	0.67	DNAPL staining on bailer, few globules on bottom of bailer
MW-14D	1/20/2009	--	--	0.00	0.00	0.25	0.67	Slight DNAPL staining on bailer bottom
MW-14D	1/23/2009	--	--	0.00	0.00	0.25	0.67	DNAPL on bailer, odor
MW-14D	1/26/2009	--	--	0.01	0.00	0.25	0.67	DNAPL staining on bailer
MW-14D	1/27/2009	--	--	0.00	0.00	0.25	0.67	Slight DNAPL staining on outside of bailer
MW-14D	1/28/2009	--	--	0.00	0.00	0.25	0.67	DNAPL staining on bailer
MW-14D	2/5/2009	--	--	0.00	0.00	0.25	0.67	DNAPL staining on bailer
MW-14D	3/3/2009	6.15	--	0.05	0.01	0.49	0.68	
MW-14D	3/11/2009	6.02	7.24	0.00	0.00	0.25	0.68	Slight DNAPL staining on outside of bailer
MW-14D	3/17/2009	6.91	7.85	0.00	0.00	0.25	0.68	Slight DNAPL staining on outside of bailer
MW-14D	3/25/2009	5.49	7.81	0.05	0.01	0.75	0.69	
MW-14D	3/31/2009	5.75	6.82	0.00	0.00	0.25	0.69	DNAPL staining on bailer
MW-14D	4/20/2009	5.75	7.18	0.00	0.00	0.25	0.69	
MW-14D	4/29/2009	6.04	7.44	0.00	0.00	0.25	0.69	Slight DNAPL staining on bailer
MW-14D	5/6/2009	NM	7.82	0.00	0.00	0.25	0.69	Slight DNAPL staining on bailer, initial DTW recorded incorrectly
MW-14D	5/11/2009	6.11	7.51	0.00	0.00	0.25	0.69	
MW-14D	5/20/2009	5.99	7.35	0.00	0.00	0.25	0.69	DNAPL staining on bailer
MW-14D	5/27/2009	7.76	8.35	0.00	0.00	0.25	0.69	DNAPL staining on bailer
MW-14D	6/15/2009	6.01	7.45	0.00	0.00	0.25	0.69	DNAPL staining on bailer
MW-14D	6/24/2009	5.74	8.27	0.00	0.00	0.25	0.69	Slight DNAPL staining on bailer
MW-14D	6/30/3009	6.11	8.47	0.00	0.00	0.25	0.69	Slight DNAPL staining on bailer
MW-14D	7/31/2009	6.10	7.54	0.00	0.00	0.25	0.69	
MW-14D	8/13/2009	6.32	7.85	0.05	0.01	0.24	0.70	DNAPL staining on bailer
MW-14D	8/26/2009	7.31	8.70	0.01	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	10/2/2009	5.89	7.36	0.00	0.00	0.25	0.70	
MW-14D	10/6/2009	6.22	7.78	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	12/18/2009	6.11	7.51	0.00	0.00	0.25	0.70	DNAPL staining on bailer, few DNAPL globules present in bottom of bailer
MW-14D	1/26/2010	5.50	7.07	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	2/3/2010	6.33	7.82	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	3/1/2010	6.07	7.57	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	4/16/2010	6.01	7.60	0.00	0.00	0.25	0.70	DNAPL staining on bailer, few DNAPL globules present in bottom of bailer
MW-14D	8/3/2010	7.40	-	0.00	0.00	0.25	0.70	Silight DNAPL staining on bailer
MW-14D	8/10/2010	7.72	9.28	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	8/30/2010	8.09	--	0.00	--	NB	0.70	Recovery Program Temproarily suspended; Measured for DNAPL with tape

Notes:
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ARCADIS Design & Consultancy for natural and built assets

Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-14D	2/18/2011	6.55	--	0.00	--	NB	0.70	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-14D	2/22/2011	5.37	--	0.00	--	NB	0.70	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-14D	3/4/2011	5.94	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	3/28/2011	6.7	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	4/4/2011	6.89	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	4/12/2011	5.26	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	4/19/2011	5.24	--	0.00	0.00	0.08	0.70	DNAPL staining on bailer; Bottom at 20.05'
MW-14D	5/18/2011	6.18	--	0.00	--	NB	0.70	Bottom at 19.76'; Measured for DNAPL with tape
MW-14D	6/16/2011	--	--	0.00	--	NB	0.70	Measured for DNAPL with tape
MW-14D	6/27/2011	5.44	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	7/13/2011	7.18	--	0.00	0.00	0.08	0.70	DNAPL staining on bailer
MW-14D	7/18/2011	7.48	--	0.00	0.00	0.25	0.70	DNAPL globules in bailer
MW-14D	7/25/2011	7.33	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer and silt in bailer
MW-14D	8/4/2011	7.75	--	0.00	0.00	0.25	0.70	Slight DNAPL staining on bailer
MW-14D	8/24/2011	7.62	--	0.00	0.00	0.25	0.70	DNAPL staining on bailer
MW-14D	10/6/2011	7.36	--	0.00	0.00	0.25	0.70	Slight DNAPL staining on bailer
MW-14D	11/8/2011	6.45	--	0.00	0.00	0.25	0.70	Slight DNAPL staining on bailer
*Abandoned December 2010								
MW-15D	8/4/2000	NM	--	NM	--	--	--	
MW-15D	11/13/2000	NM	--	NM	--	--	--	
MW-15D	2/1/2001	NM	--	NM	--	--	--	
MW-15D	6/21/2001	NM	--	NM	--	--	--	Cloudy, odor
MW-15D	12/11/2001	NM	--	NM	--	--	--	
MW-15D	8/11/2003	6.46	--	0.00	--	--	--	
MW-15D	10/29/2003	5.04	--	OBS	--	--	--	Cloudy, odor
MW-15D	2/17/2004	NM	--	0.00	--	--	--	
MW-15D	9/9/2004	6.32	--	0.00	--	--	--	Odor, sheen present
MW-15D	6/28/2007	NM	--	NM	--	--	--	Trace DNAPL
MW-15D	7/24/2007	6.56	--	0.01	--	--	--	
MW-15D	8/6/2007	NM	--	0.01	--	--	--	Purged dry at 2.5 gal
MW-15D	8/9/2007	NM	--	NM	--	--	--	Not bailed
MW-15D	10/15/2007	NM	--	0.10	--	--	--	Purged dry @ 2.5 gal, well under pressure
MW-15D	10/17/2007	NM	--	0.00	--	--	--	
MW-15D	10/19/2007	NM	--	0.00	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-15D	11/30/2007	6.21	--	0.00	--	--	--	
MW-15D	3/5/2008	4.11	--	0.00	--	--	--	Recorded <0.01' DNAPL
MW-15D	4/10/2008	--	--	0.00	--	--	--	
MW-15D	9/24/2008	--	--	0.05	0.05	0.20	0.05	
MW-15D	9/26/2008	8.09	--	0.01	0.01	0.24	0.06	DNAPL staining on bailer bottom
MW-15D	9/30/2008	8.18	--	0.01	0.01	0.24	0.07	DNAPL staining on bailer bottom

Notes:
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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-15D	10/1/2008	--	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom. Globules on WLI probe-tip.
MW-15D	10/2/2008	8.24	--	OBS	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	10/3/2008	8.29	--	OBS	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	10/14/2008	8.18	--	OBS	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	10/17/2008	8.18	--	0.00	0.00	0.25	0.07	
MW-15D	10/21/2008	8.31	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	10/24/2008	8.20	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	10/27/2008	8.19	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	11/21/2008	6.27	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	11/25/2008	6.14	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	12/2/2008	5.88	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	12/4/2008	5.87	--	0.00	0.00	0.25	0.07	
MW-15D	12/9/2008	5.35	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer bottom
MW-15D	12/18/2008	5.25	--	0.00	0.00	0.25	0.07	DNAPL staining on bottom of bailer, some globules on inside of bailer
MW-15D	12/30/2008	4.53	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	1/2/2009	4.83	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer bottom
MW-15D	1/7/2009	4.84	--	0.00	0.00	0.25	0.07	
MW-15D	1/14/2009	4.94	--	0.00	0.00	0.25	0.07	DNAPL on bailer, odor
MW-15D	1/20/2009	5.67	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	1/23/2009	4.73	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on inside of bailer
MW-15D	1/26/2009	5.94	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	1/27/2009	6.06'	--	0.01	0.00	0.25	0.07	DNAPL staining on bailer bottom
MW-15D	1/28/2009	5.90'	--	0.01	0.00	0.25	0.07	
MW-15D	2/5/2009	5.52	--	0.00	0.00	0.25	0.07	Clear water
MW-15D	3/3/2009	5.12	--	0.00	0.00	0.25	0.07	Very Slight DNAPL staining on bailer
MW-15D	3/11/2009	5.26	6.80	0.00	0.00	0.25	0.07	
MW-15D	3/17/2009	5.95	7.15	0.00	0.00	0.25	0.07	
MW-15D	3/25/2009	5.02	7.93	0.00	0.00	0.50	0.07	
MW-15D	3/31/2009	4.87	6.37	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	4/20/2009	4.70	6.21	0.00	0.00	0.25	0.07	
MW-15D	4/29/2009	4.96	6.48	0.00	0.00	0.25	0.07	
MW-15D	5/6/2009	5.05	NM	0.00	0.00	0.25	0.07	
MW-15D	5/11/2009	5.02	6.47	0.00	0.00	0.25	0.07	
MW-15D	5/20/2009	4.81	6.31	0.00	0.00	0.25	0.07	
MW-15D	5/20/2009	5.14	6.64	0.00	0.00	0.25	0.07	
MW-15D	6/15/2009	5.16	6.67	0.00	0.00	0.25	0.07	
MW-15D	6/24/2009	4.96	7.91	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	6/30/2009	5.60	8.25	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	8/13/2009	5.85	7.38	0.00	0.00	0.00	0.07	DNAPL staining on bailer
MW-15D	8/26/2009	7.41	8.88	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	10/2/2009	5.85	7.32	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	10/6/2009	5.97	7.53	0.00	0.00	0.25	0.07	DNAPL staining on bailer

Notes:
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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-15D	12/18/2009	7.01	8.48	0.00	0.00	0.25	0.07	DNAPL staining on bailer, globules present in bailer
MW-15D	1/26/2010	5.54	6.98	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	2/3/2010	5.56	7.05	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	3/1/2010	5.21	6.68	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	4/16/2010	5.35	6.87	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	8/3/2010	7.85	9.35	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	8/10/2010	8.43	9.93	0.00	0.00	0.25	0.07	
MW-15D	8/30/2010	8.86	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-15D	2/18/2011	5.30	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-15D	2/22/2011	4.47	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-15D	3/4/2011	4.60	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	3/18/2011	5.29	--	0.00	0.00	0.25	0.07	
MW-15D	4/4/2011	5.57	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	4/12/2011	4.11	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	4/19/2011	4.33	--	0.00	0.00	0.08	0.07	DNAPL staining on bailer; Bottom at 19.75'
MW-15D	5/18/2011	4.78	--	0.00	--	NB	--	Bottom at 19.71'; Measured for DNAPL with tape
MW-15D	6/16/2011	--	--	0.00	--	NB	--	Measured for DNAPL with tape
MW-15D	6/27/2011	6.64	--	0.00	0.00	0.25	0.07	
MW-15D	7/18/2011	7.42	--	0.10	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	7/25/2011	7.65	--	0.00	0.00	0.50	0.07	DNAPL staining on bailer
MW-15D	8/5/2011	7.83	--	0.00	0.00	0.25	0.07	
MW-15D	8/24/2011	8.48	--	0.00	0.00	0.25	0.07	DNAPL staining on bailer
MW-15D	10/6/2011	7.07	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	11/8/2011	5.35	--	0.00	0.00	0.25	0.07	Slight DNAPL staining on bailer
MW-15D	6/5/2012	--	--	0.05	--	NB	0.07	Bottom at 19.88'
MW-15D	11/14/2012	--	--	0.10	--	NB	0.07	
MW-15D	1/9/2013	--	--	0.10	--	NB	0.07	Bottom at 19.82'
MW-15D	4/18/2013	--	--	0.10	--	NB	0.07	
MW-15D	8/23/2013	--	--	0.00	--	NB	0.07	Bottom at 19.82'
MW-15D	4/16/2014	--	--	0.10	0.00	0.00	0.07	Bottom at 19.8'
MW-15D	12/292014	--	--	0.00	0.00	0.00	0.07	Trace on probe; bottom at 20.00'
MW-15D	3/4/2015	--	--	0.00	0.00	0.00	0.07	Trace on probe; bottom at 20.00'
MW-15D	5/19/2015	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	7/13/2015	--	--	0.00	0.00	0.00	0.07	
MW-15D	1/6/2016	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	2/19/2016	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	6/14/2016	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	9/9/2016	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	10/21/2016	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	12/2/2016	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'

Notes:
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DTW = depth to water.
NB = not bailed
NM = not measured.

Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-15D	2/24/2017	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	4/21/2017	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	7/21/2017	--	--	0.05	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	10/20/2017	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	2/27/2018	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	5/18/2018	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	8/10/2018	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	11/19/2018	--	--	0.05	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	3/15/2019	--	--	0.05	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	6/14/2019	--	--	0.10	0.00	0.00	0.07	Bottom at 20.00'
MW-15D	9/20/2019	--	--	0.00	0.00	0.00	0.07	Bottom at 20.00'
MW-16D	8/4/2000	NM	--	NM	--	--	--	
MW-16D	11/13/2000	NM	--	NM	--	--	--	
MW-16D	2/1/2001	NM	--	NM	--	--	--	
MW-16D	6/21/2001	NM	--	NM	--	--	--	Grey water, odor
MW-16D	12/11/2001	NM	--	NM	--	--	--	
MW-16D	8/11/2003	5.33	--	0.00	--	--	--	
MW-16D	10/29/2003	4.30	--	NM	--	--	--	Purged dry
MW-16D	2/17/2004	NM	--	OBS	--	--	--	
MW-16D	9/9/2004	5.71	--	0.10	--	--	--	
MW-16D	6/28/2007	NM	--	NM	--	--	--	Red floculant present in bailer along with slight sheen
MW-16D	7/5/2007	NM	--	0.60	--	--	--	
MW-16D	7/24/2007	5.83	--	0.01	--	--	--	
MW-16D	8/6/2007	NM	--	0.01	--	--	--	Clear water
MW-16D	8/9/2007	NM	--	NM	--	--	--	Did not bail
MW-16D	10/15/2007	NM	--	0.00	--	--	--	Purged dry @ 2.75 gal, well under pressure
MW-16D	10/17/2007	NM	--	0.00	--	--	--	
MW-16D	10/19/2007	NM	--	0.00	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-16D	11/30/2007	5.31	--	0.00	--	--	--	
MW-16D	3/5/2008	3.77	--	0.00	--	--	--	
MW-16D	4/10/2008	NM	--	0.00	--	--	--	Recorded <0.01' DNAPL
MW-16D	9/18/2008	--	--	0.00	0.00	0.25	0.00	DNAPL on bailer
MW-16D	9/24/2008	--	--	0.05	0.05	0.20	0.05	DNAPL on bailer
MW-16D	9/26/2008	7.46	--	0.00	0.00	0.25	0.05	DNAPL on bailer
MW-16D	9/30/2008	7.62	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer bottom
MW-16D	10/1/2008	NM	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer bottom
MW-16D	10/2/2008	7.73	--	OBS	0.00	0.25	0.05	DNAPL staining on bailer bottom
MW-16D	10/3/2008	7.76	--	OBS	0.00	0.25	0.05	
MW-16D	10/14/2008	9.29	--	OBS	0.00	0.25	0.05	
MW-16D	10/17/2008	7.86	--	0.00	0.00	0.25	0.05	
MW-16D	10/21/2008	8.00	--	0.00	0.00	0.25	0.05	
MW-16D	10/24/2008	7.95	--	0.00	0.00	0.25	0.05	

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-16D	10/27/2008	7.98	--	0.00	0.00	0.25	0.05	
MW-16D	11/21/2008	8.87	--	0.00	0.00	0.25	0.05	
MW-16D	11/25/2008	9.25	--	0.00	0.00	0.25	0.05	
MW-16D	12/2/2008	5.06	--	0.00	0.00	0.25	0.05	
MW-16D	12/4/2008	4.98	--	0.00	0.00	0.25	0.05	
MW-16D	12/9/2008	4.47	--	0.00	0.00	0.25	0.05	Clear water
MW-16D	12/18/2008	4.43	--	0.00	0.00	0.25	0.05	Odor
MW-16D	12/30/2008	3.94	--	0.00	0.00	0.25	0.05	Odor
MW-16D	1/2/2009	4.04	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	1/7/2009	3.99	--	0.00	0.00	0.25	0.05	
MW-16D	1/14/2009	4.11	--	0.00	0.00	0.25	0.05	Clear water, slight odor
MW-16D	1/20/2009	5.84	--	0.00	0.00	0.25	0.05	Clear water
MW-16D	1/23/2009	4.78	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	1/26/2009	5.08	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	1/27/2009	5.26	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer bottom
MW-16D	1/28/2009	5.13	--	0.00	0.00	0.25	0.05	
MW-16D	2/5/2009	4.60	--	0.00	0.00	0.25	0.05	Clear water
MW-16D	3/3/2009	4.19	--	0.00	0.00	0.25	0.05	Clear water
MW-16D	3/11/2009	4.30	5.41	0.00	0.00	0.25	0.05	
MW-16D	3/17/2009	4.52	6.03	0.00	0.00	0.25	0.05	
MW-16D	3/25/2009	4.02	6.96	0.00	0.00	0.50	0.05	
MW-16D	3/31/2009	3.88	5.37	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	4/20/2009	3.74	5.26	0.00	0.00	0.25	0.05	
MW-16D	4/29/2009	3.93	5.42	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	5/6/2009	4.06	5.55	0.00	0.00	0.25	0.05	
MW-16D	5/11/2009	4.00	5.52	0.00	0.00	0.25	0.05	
MW-16D	5/20/2009	3.89	5.40	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	5/27/2009	4.05	5.56	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	6/15/2009	4.04	5.56	0.00	0.00	0.25	0.05	
MW-16D	6/24/2009	3.94	5.83	0.00	0.00	0.25	0.05	
MW-16D	6/30/2009	4.59	6.37	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	7/31/2009	4.42	5.94	0.00	0.00	0.25	0.05	Clear water
MW-16D	8/13/2009	4.69	6.23	0.00	0.00	0.00	0.05	DNAPL staining on bailer
MW-16D	8/26/2009	6.42	7.93	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	10/2/2009	4.87	6.41	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	10/6/2009	4.98	6.47	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	12/18/2009	4.25	5.76	0.00	0.00	0.25	0.05	DNAPL staining on bailer, globules present
MW-16D	1/26/2010	4.15	5.66	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	2/3/2010	4.31	5.87	0.00	0.00	,25	0.05	DNAPL staining on bailer
MW-16D	3/1/2010	4.07	5.53	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	4/16/2010	4.00	5.16	0.01	0.00	0.25	0.05	DNAPL staining on bailer and globules present
MW-16D	8/3/2010	6.99	8.51	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer
MW-16D	8/10/2010	7.40	8.90	0.00	0.00	0.25	0.05	Slight DNAPL staining on bailer

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Bloomington, Indiana

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MW-16D	8/30/2010	8.28	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-16D	2/18/2011	4.39	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-16D	2/22/2011	3.64	--	0.00	--	NB	--	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-16D	3/4/2011	3.67	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	3/18/2011	4.06	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	4/4/2011	4.30	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	4/12/2011	3.45	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	4/19/2011	3.43	--	0.00	0.00	0.08	0.05	DNAPL staining on bailer; Bottom at 18.70'
MW-16D	5/18/2011	3.77	--	0.00	--	NB	--	Bottom at 18.70'; Measured for DNAPL with tape
MW-16D	6/16/2011	--	--	0.00	--	NB	--	Measured for DNAPL with tape
MW-16D	6/27/2011	3.72	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	7/13/2011	5.98	--	0.00	0.00	0.08	0.05	Odor
MW-16D	7/18/2011	6.50	--	0.00	0.00	0.25	0.05	Bottom at 18.75'
MW-16D	7/25/2011	6.95	--	0.00	0.00	0.25	0.05	
MW-16D	8/5/2011	7.53	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bottom of bailer
MW-16D	8/24/2011	8.17	--	0.00	0.00	0.25	0.05	Slight DNAPL staining on bottom of bailer
MW-16D	10/6/2011	6.05	--	0.00	0.00	0.25	0.05	
MW-16D	11/8/2011	4.49	--	0.00	0.00	0.25	0.05	DNAPL staining on bailer
MW-16D	6/5/2012	--	--	0.00	--	NB	0.05	Bottom at 18.83'
MW-16D	11/14/2012	--	--	0.00	--	NB	0.05	Sheen
MW-16D	1/9/2013	--	--	0.00	--	NB	0.05	Bottom at 18.78'
MW-16D	4/18/2013	--	--	0.00	--	NB	0.05	Globs
MW-16D	8/23/2013	--	--	0.00	--	NB	0.05	Bottom at 18.80'
MW-16D	4/16/2014	--	--	0.10	0.00	0.00	0.05	Bottom at 18.75'
MW-16D	12/31/2014	--	--	0.00	0.00	0.00	0.05	Trace on probe; bottom at 18.98'
MW-16D	3/4/2015	--	--	0.00	0.00	0.00	0.05	Trace on probe; bottom at 18.95'
MW-16D	5/19/2015	--	--	0.10	0.00	0.00	0.05	Bottom at 18.95'
MW-16D	7/13/2015	--	--	0.00	0.00	0.00	0.05	
MW-16D	1/6/2016	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	2/19/2016	--	--	0.10	0.00	0.00	0.05	
MW-16D	6/22/2016	--	--	0.10	0.00	0.00	0.05	Bottom at 19.40'
MW-16D	9/9/2016	--	--	0.00	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	10/21/2016	--	--	0.00	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	12/2/2016	--	--	0.05	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	2/24/2017	--	--	0.00	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	4/21/2017	--	--	0.05	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	7/21/2017	--	--	0.05	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	10/20/2017	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	2/27/2018	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	5/18/2018	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'

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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-16D	8/10/2018	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	11/19/2018	--	--	0.05	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	3/15/2019	--	--	0.10	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	6/14/2019	--	--	0.30	0.00	0.00	0.05	Bottom at 19.00'
MW-16D	9/20/2019	--	--	0.40	0.00	0.00	0.05	Bottom at 19.00'
MW-19D	8/4/2000	NM	--	NM	--	--	--	
MW-19D	11/13/2000	NM	--	NM	--	--	--	
MW-19D	2/1/2001	NM	--	NM	--	--	--	
MW-19D	6/21/2001	NM	--	NM	--	--	--	Not enough water to purge
MW-19D	12/11/2001	NM	--	NM	--	--	--	
MW-19D	8/11/2003	18.00	--	0.00	--	--	--	
MW-19D	10/29/2003	13.30	--	NM	--	--	--	Trace DNAPL
MW-19D	2/17/2004	NM	--	NM	--	--	--	
MW-19D	9/9/2004	8.41	--	0.01	--	--	--	
MW-19D	6/28/2007	NM	--	NM	--	--	--	Odor, black floculents present in bailer
MW-19D	7/5/2007	NM	--	1.04	--	--	--	
MW-19D	7/24/2007	7.11	--	0.00	--	--	--	
MW-19D	8/6/2007	NM	--	0.01	--	--	--	Clear water
MW-19D	8/9/2007	NM	--	NM	--	--	--	Did not bail
MW-19D	10/15/2007	NM	--	0.00	--	--	--	Purged dry @ 1.75 gal, grey
MW-19D	10/17/2007	NM	--	0.00	--	--	--	
MW-19D	10/19/2007	NM	--	0.00	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-19D	11/30/2007	15.88	--	0.00	--	--	--	
MW-19D	3/5/2008	9.71	--	0.00	--	--	--	
MW-19D	4/10/2008	--	--	0.00	0.00	0.25	0.00	
MW-19D	9/18/2008	--	--	0.00	0.00	0.25	0.00	
MW-19D	9/24/2008	--	--	0.00	0.00	0.25	0.00	
MW-19D	9/26/2008	11.33	--	0.00	0.00	0.25	0.00	
MW-19D	9/30/2008	12.49	--	0.00	0.00	0.25	0.00	Odor to water in bailer
MW-19D	10/1/2008		--	0.00	0.00	0.25	0.00	Small DNAPL globules in bailer; odor
MW-19D	10/2/2008	14.77	--	0.00	0.00	0.25	0.00	DNAPL staining on bailer bottom
MW-19D	10/3/2008	15.32	--	OBS	0.00	0.25	0.00	DNAPL staining on bailer bottom
MW-19D	10/14/2008	15.46	--	OBS	0.00	0.25	0.00	
MW-19D	10/17/2008	16.06	--	0.00	0.00	0.25	0.00	
MW-19D	10/21/2008	16.73	--	0.00	0.00	0.25	0.00	
MW-19D	10/24/2008	17.26	--	0.00	0.00	0.25	0.00	Trace bentonite in water at bottom of bailer
MW-19D	10/27/2008	17.69	--	0.00	0.00	0.25	0.00	
MW-19D	11/21/2008	19.03	--	0.00	0.00	0.25	0.00	
MW-19D	11/25/2008	18.79	--	0.00	0.00	0.25	0.00	
MW-19D	12/2/2008	18.50	--	0.00	0.00	0.25	0.00	
MW-19D	12/4/2008	18.69	--	0.00	0.00	0.25	0.00	
MW-19D	12/9/2008	18.50	--	0.00	0.00	0.25	0.00	Tan

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MW-19D	12/18/2008	17.76	--	0.00	0.00	0.25	0.00	Slight odor
MW-19D	12/30/2008	16.54	--	0.00	0.00	0.25	0.00	Clear water, dark grey at bottom 1.0' of bailer
MW-19D	1/2/2009	17.12	--	0.00	0.00	0.25	0.00	Clear water, dark grey at bottom 1.0' of bailer
MW-19D	1/7/2009	17.20	--	0.00	0.00	0.25	0.00	
MW-19D	1/14/2009	17.39	--	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	1/20/2009	17.65	--	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	1/23/2009	17.95	--	0.00	0.00	0.25	0.00	grey
MW-19D	1/26/2009	18.40'	--	0.00	0.00	0.25	0.00	grey
MW-19D	1/27/2009	18.29'	--	0.00	0.00	0.25	0.00	1' of grey water in bailer
MW-19D	1/28/2009	18.54'	--	0.00	0.00	0.25	0.00	
MW-19D	2/5/2009	18.08	--	0.00	0.00	0.25	0.00	Clear water
MW-19D	3/3/2009	16.31	--	0.00	0.00	0.25	0.00	Clear water
MW-19D	3/11/2009	16.76	17.92	0.00	0.00	0.25	0.00	
MW-19D	3/17/2009	17.23	18.41	0.00	0.00	0.25	0.00	
MW-19D	3/25/2009	16.80	18.24	0.00	0.00	0.50	0.00	
MW-19D	3/31/2009	17.62	18.27	0.00	0.00	0.25	0.00	
MW-19D	4/20/2009	16.74	17.41	0.00	0.00	0.25	0.00	
MW-19D	4/29/2009	16.29	17.23	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	5/6/2009	16.56	17.61	0.00	0.00	0.25	0.00	
MW-19D	5/11/2009	16.87	17.60	0.00	0.00	0.25	0.00	
MW-19D	5/20/2009	16.36	17.35	0.00	0.00	0.25	0.00	Clear water
MW-19D	5/27/2009	16.83	17.81	0.00	0.00	0.25	0.00	
MW-19D	6/15/2009	16.72	17.76	0.00	0.00	0.25	0.00	
MW-19D	6/24/2009	16.89	18.02	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	6/30/2009	16.58	18.31	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	7/31/2009	14.88	15.80	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	8/13/2009	14.93	15.98	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-19D	8/26/2009	15.22	16.19	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	10/2/2009	14.05	15.22	0.00	0.00	0.25	0.00	
MW-19D	10/6/2009	14.93	16.19	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-19D	12/18/2009	14.94	15.96	0.00	0.00	0.25	0.00	DNAPL staining on bailer, globules present
MW-19D	1/26/2010	14.22	15.31	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-19D	2/3/2010	14.86	15.82	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-19D	3/1/2010	14.72	15.81	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-19D	8/3/2010	9.54	11.01	0.00	0.00	0.25	0.00	
MW-19D	8/10/2010	10.84	12.31	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	8/30/2010	11.67	--	0.00	--	NB	0.00	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-19D	2/18/2011	12.62	--	0.00	--	NB	0.00	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-19D	2/22/2011	12.44	--	0.00	--	NB	0.00	Recovery Program Temproarily suspended; Measured for DNAPL with tape

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MW-19D	7/8/2011	8.21	--	0.00	--	NB	0.00	Recovery Program Temproaraily suspended; Measured for DNAPL with tape
MW-19D	7/13/2011	8.34	--	0.10	0.00	0.08	0.00	
MW-19D	8/24/2011	8.79	--	0.00	0.00	0.08	0.00	Slight DNAPL staining on bailer and globules
MW-19D	10/6/2011	9.04	--	0.00	0.00	0.25	0.00	Slight DNAPL staining on bailer
MW-19D	11/8/2011	9.91	--	0.00	0.00	0.25	0.00	
MW-19D	6/5/2012	--	--	0.00	--	NB	0.00	Bottom at 19.38'
MW-19D	11/14/2012	--	--	0.10	--	NB	0.00	
MW-19D	4/18/2013	--	--	0.10	--	NB	0.00	Globs
MW-19D	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 19.35'
MW-19D	6/14/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 19.5'
MW-19D	12/29/2014	--	--	0.00	0.00	0.00	0.00	Trace on probe; botttom at 19.80'
MW-19D	3/4/2015	--	--	0.00	0.00	0.00	0.00	Trace on probe; botttom at 19.80'
MW-19D	5/19/2015	--	--	0.05	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	1/6/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	2/19/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	6/22/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 19.52'
MW-19D	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	7/18/2017	--	--	0.05	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	10/20/2017	--	--	0.10	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	2/27/2018	--	--	0.10	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	5/18/2018	--	--	0.05	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	8/10/2018	--	--	0.05	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	11/19/2018	--	--	0.05	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	3/15/2019	--	--	0.02	0.00	0.00	0.00	Bottom at 19.50'
MW-19D	6/14/2019	--	--	0.10	0.00	0.00	0.00	Bottom at 19.60'
MW-19D	9/20/2019	--	--	0.10	0.00	0.00	0.00	Bottom at 19.60'
MW-20D	8/4/2000	--	--	NM	--	--	--	
MW-20D	11/13/2000	--	--	NM	--	--	--	
MW-20D	2/1/2001	--	--	NM	--	--	--	
MW-20D	6/21/2001	--	--	NM	--	--	--	
MW-20D	12/11/2001	--	--	NM	--	--	--	
MW-20D	8/11/2003	--	--	NM	--	--	--	
MW-20D	10/29/2003	6.37		NM	--	--	--	Cloudy, sheen present, odor
MW-20D	2/17/2004	--	--	0.50	--	--	--	
MW-20D	9/9/2004	7.31		1.50	--	--	--	
MW-20D	6/28/2007	--	--	NM	--	--	--	Grey, odor, sheen
MW-20D	7/20/2007	--	--	0.75	--	--	--	

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DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-20D	7/24/2007	7.20	--	0.09	--	--	--	
MW-20D	8/6/2007	--	--	0.30	--	--	--	Clear water of DNAPL at 1.5 gal, no drawdown
MW-20D	8/9/2007	--	--	NM	--	--	--	Clear water of DNAPL at 2.0 gal, no drawdown
MW-20D	10/15/2007	--	--	0.20	--	--	--	Clear water of DNAPL at 1.0 gal
MW-20D	10/17/2007	--	--	0.10	--	--	--	
MW-20D	10/19/2007	--	--	0.08	--	--	--	Clear water, sheen present, odor remaining after purge of 0.75 gal
MW-20D	11/30/2007	7.12	--	0.01	--	--	--	
MW-20D	3/5/2008	4.99	--	0.05	--	--	--	DNAPL/grey water
MW-20D	4/10/2008	--	--	0.33	--	--	--	DNAPL/grey water
MW-20D	9/8/2008	--	--	0.50	0.10	0.90	0.10	DNAPL/grey water
MW-20D	9/9/2008	--	--	0.80	0.05	0.15	0.15	DNAPL/grey water
MW-20D	9/10/2008	--	--	1.20	0.10	0.15	0.25	
MW-20D	9/12/2008	--	--	1.00	0.05	0.15	0.30	
MW-20D	9/16/2008	--	--	0.50	0.10	0.15	0.40	
MW-20D	9/18/2008	--	--	0.10	0.10	0.15	0.50	
MW-20D	9/24/2008	--	--	0.10	0.05	0.15	0.55	
MW-20D	9/26/2008	--	--	0.20	0.10	0.40	0.65	
MW-20D	9/30/2008	--	--	0.10	0.01	0.24	0.66	~ 1' of grey water in bailer
MW-20D	10/1/2008	--	--	0.10	0.05	0.15	0.71	~ 0.7' of grey water in bailer
MW-20D	10/2/2008	--	--	0.15	0.05	0.15	0.76	Recorded <0.01' DNAPL
MW-20D	10/3/2008	--	--	0.10	0.05	0.15	0.81	DNAPL staining on bailer on bottom of bailer
MW-20D	10/14/2008	--	--	0.05	0.05	0.15	0.86	DNAPL staining on bailer on bottom of bailer
MW-20D	10/17/2008	--	--	0.00	0.00	0.25	0.86	DNAPL staining on bailer on bottom of bailer
MW-20D	10/21/2008	--	--	0.05	0.05	0.24	0.91	DNAPL staining on bailer on bottom of bailer
MW-20D	10/24/2008	--	--	0.05	0.05	0.24	0.96	DNAPL staining on bailer on bottom of bailer
MW-20D	10/27/2008	--	--	0.00	0.00	0.25	0.96	DNAPL staining on bailer on bottom of bailer
MW-20D	11/21/2008	--	--	0.00	0.00	0.24	0.96	DNAPL staining on bailer on bottom of bailer
MW-20D	11/25/2008	--	--	0.05	0.05	0.24	1.01	DNAPL staining on bailer on bottom of bailer
MW-20D	12/2/2008	--	--	0.00	0.00	0.25	1.01	DNAPL staining on bailer on bottom of bailer
MW-20D	12/4/2008	--	--	0.00	0.00	0.25	1.01	Slight DNAPL staining on outside of bailer of bailer
MW-20D	12/9/2008	--	--	0.00	0.00	0.25	1.01	Slight DNAPL staining on outside of bailer of bailer
MW-20D	12/18/2008	--	--	0.00	0.00	0.25	1.01	DNAPL staining on bailer on outside and bottom of bailer
MW-20D	12/30/2008	--	--	0.00	0.00	0.25	1.01	Slight DNAPL staining on outside of bailer and bottom of bailer
MW-20D	1/2/2009	6.20		0.00	0.00	0.25	1.01	DNAPL staining on bailer, 0.05' of globules, dark water
MW-20D	1/7/2009	--	--	0.00	0.00	0.25	1.01	
MW-20D	1/14/2009	--	--	0.05	0.00	0.25	1.01	
MW-20D	1/20/2009	--	--	0.00	0.00	0.25	1.01	DNAPL staining on bailer
MW-20D	1/23/2009	--	--	NM	0.00	0.25	1.01	DNAPL staining on bailer
MW-20D	1/26/2009	--	--	0.00	0.00	0.25	1.01	Slight DNAPL staining on bailer
MW-20D	1/27/2009	--	--	0.00	0.00	0.25	1.01	Black water with sheen present and globules
MW-20D	1/28/2009	--	--	0.00	0.00	0.25	1.01	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-20D	2/5/2009	--	--	0.00	0.00	0.25	1.01	Slight DNAPL staining on outside of bailer of bailer
MW-20D	3/3/2009	5.88	--	0.01	0.01	0.24	1.02	Slight DNAPL staining on bailer on bottom of bailer
MW-20D	3/11/2009	6.45	7.85	0.00	0.00	0.25	1.02	
MW-20D	3/17/2009	6.67	8.04	0.00	0.00	0.25	1.02	
MW-20D	3/25/2009	6.05	6.17	0.10	0.05	0.70	1.07	
MW-20D	3/31/2009	5.96	7.23	0.05	0.01	0.24	1.08	
MW-20D	4/20/2009	5.80	5.91	0.00	0.00	0.25	1.08	DNAPL staining on bailer
MW-20D	4/29/2009	6.20	9.38	0.10	0.00	0.75	1.08	Greyish black water
MW-20D	5/6/2009	6.18	6.21	0.00	0.00	0.25	1.08	Slight DNAPL staining on bailer
MW-20D	5/11/2009	6.18	7.55	0.00	0.00	0.25	1.08	Very Slight DNAPL staining on bailer
MW-20D	5/20/2009	5.94	7.19	0.00	0.00	0.25	1.08	Clear water
MW-20D	5/27/2009	6.56	7.80	0.00	0.00	0.25	1.08	Slight DNAPL staining on bailer
MW-20D	6/15/2009	6.23	7.57	0.00	0.00	0.25	1.08	
MW-20D	6/24/2009	5.76	7.32	0.00	0.00	0.25	1.08	Slight DNAPL staining on bailer
MW-20D	6/30/2009	6.84	8.31	0.00	0.00	0.25	1.08	
MW-20D	7/31/2009	6.43	7.69	0.00	0.00	0.25	1.08	
MW-20D	8/13/2009	6.97	8.29	0.02	0.01	0.49	1.09	Clear water
MW-20D	8/26/2009	7.59	8.81	0.00	0.00	0.25	1.09	DNAPL staining on bailer, Clear water
MW-20D	10/2/2009	7.05	8.34	0.00	0.00	0.25	1.09	Slight DNAPL staining on bailer
MW-20D	10/6/2009	7.11	8.37	0.00	0.00	0.25	1.09	Slight DNAPL staining on bailer
MW-20D	12/18/2009	6.21	7.65	0.00	0.00	0.25	1.09	DNAPL staining on bailer, DNAPL on bottom of bailer
MW-20D	1/26/2010	5.96	7.21	0.00	0.00	0.25	1.09	DNAPL staining on bailer
MW-20D	2/3/2010	7.60	7.79	0.00	0.00	0.25	1.09	DNAPL staining on bailer
MW-20D	3/1/2010	6.26	6.41	0.00	0.00	0.25	1.09	DNAPL staining on bailer
MW-20D	4/16/2010	6.33	7.68	0.00	0.00	0.25	1.09	Globules present; DNAPL staining on bailer
MW-20D	8/3/2010	7.60	8.72	0.05	0.01	0.24	1.10	
MW-20D	8/10/2010	7.62	8.82	0.00	0.00	0.25	1.10	DNAPL staining on bailer
MW-20D	8/30/2010	7.65	--	0.00	--	NB	1.10	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-20D	2/18/2011	6.71	--	0.68	--	NB	1.10	Recovery Program Temproarily suspended; Measured for DNAPL with tape
MW-20D	2/22/2011	5.48	--	0.75	--	NB	1.10	DNAPL level hard to decipher; Measured for DNAPL with tape
MW-20D	3/4/2011	5.76	--	0.00	0.00	0.25	1.10	DNAPL staining on bailer
MW-20D	3/18/2011	6.58	--	0.00	0.00	0.25	1.10	DNAPL staining on bailer
MW-20D	4/4/2011	6.21	--	0.00	0.00	0.25	1.10	
MW-20D	4/12/2011	5.50	--	0.20	0.00	0.00	1.10	
MW-20D	4/19/2011	5.10	--	0.10	0.01	0.07	1.11	Bottom at 25.85'
MW-20D	5/18/2011	6.36	--	0.15	0.02	0.23	1.13	Bottom at 25.84'
MW-20D	6/6/2011	7.06	--	0.40	--	NB	1.13	Bottom at 25.84'; Measured for DNAPL with tape
MW-20D	6/7/2011	7.00	--	0.30	0.03	0.22	1.16	
MW-20D	6/20/2011	6.10	--	0.10	0.01	0.25	1.17	
MW-20D	6/27/2011	6.02	--	0.20	0.01	0.24	1.18	
MW-20D	7/8/2011	7.25	--	0.10	0.01	0.24	1.19	

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-20D	7/13/2011	7.48	--	0.20	0.01	0.49	1.20	
MW-20D	7/18/2011	7.54	--	0.00	0.00	0.25	1.20	DNAPL staining on bailer
MW-20D	7/25/2011	7.46	--	0.20	0.00	0.25	1.20	
MW-20D	8/5/2011	7.63	--	0.00	0.00	0.25	1.20	
MW-20D	8/15/2011	7.53	--	0.10	0.00	0.43	1.20	
MW-20D	8/24/2011	7.64	--	0.10	0.00	0.50	1.21	
MW-20D	9/6/2011	7.82	--	0.00	0.00	0.08	1.21	DNAPL staining on bailer
MW-20D	9/12/2011	7.82	--	0.00	0.00	0.25	1.21	DNAPL staining on bailer
MW-20D	9/19/2011	7.64	--	0.00	0.00	0.25	1.21	DNAPL staining on bailer
MW-20D	10/10/2011	7.68	--	0.01	0.00	0.25	1.21	DNAPL staining on bailer
MW-20D	10/24/2011	7.04	--	0.01	0.01	0.24	1.22	
MW-20D	11/8/2011	6.82	--	0.00	0.00	0.25	1.22	DNAPL staining on bailer
MW-20D	6/5/2012	--	--	0.20	--	NB	1.22	Bottom at 26.05'
MW-20D	11/14/2012	--	--	0.25	--	NB	1.22	
MW-20D	4/18/2013	--	--	0.10	--	NB	1.22	
MW-20D	8/23/2013	--	--	0.30	--	NB	1.22	Bottom at 26.05'
MW-20D	6/14/2014	--	--	0.10	0.00	0.00	1.22	Bottom at 26.0'
MW-20D	12/29/2014	--	--	0.10	0.00	0.00	1.22	Bottom at 26.45'
MW-20D	3/4/2015	--	--	0.10	0.00	0.00	1.22	Bottom at 26.45'
MW-20D	5/19/2015	--	--	0.10	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	1/6/2016	--	--	0.10	0.00	0.00	1.22	Bottom at 26.60'
MW-20D	2/19/2016	--	--	0.10	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	6/22/2016	--	--	0.10	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	9/9/2016	--	--	0.20	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	10/21/2016	--	--	0.20	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	12/2/2016	--	--	0.30	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	2/24/2017	--	--	0.20	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	4/21/2017	--	--	0.00	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	7/18/2017	--	--	0.25	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	10/20/2017	--	--	0.10	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	2/27/2018	--	--	0.30	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	5/18/2018	--	--	0.30	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	8/10/2018	--	--	0.10	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	11/19/2018	--	--	0.30	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	3/15/2019	--	--	0.40	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	6/14/2019	--	--	0.40	0.00	0.00	1.22	Bottom at 26.20'
MW-20D	9/20/2019	--	--	0.30	0.00	0.00	1.22	Bottom at 26.20'
MW-21D	8/4/2000	--	--	NM	--	--	--	
MW-21D	11/13/2000	--	--	NM	--	--	--	
MW-21D	2/1/2001	--	--	NM	--	--	--	
MW-21D	6/21/2001	--	--	NM	--	--	--	
MW-21D	12/11/2001	--	--	NM	--	--	--	

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MW-21D	8/11/2003	--	--	NM	--	--	--	
MW-21D	10/29/2003	3.71	--	NM	--	--	--	Clear water, sheen present odor
MW-21D	2/17/2004	--	--	0.00	--	--	--	
MW-21D	9/9/2004	5.70	--	1.50	--	--	--	
MW-21D	6/28/2007	--	--	NM	--	--	--	Odor, sheen present
MW-21D	7/5/2007	--	--	1.04	--	--	--	
MW-21D	7/24/2007	4.55	--	0.60	--	--	--	
MW-21D	8/6/2007	--	--	2.50	--	--	--	Clear water of DNAPL at 6.0 gal, no drawdown, sheen present
MW-21D	8/9/2007	--	--	1.50	--	--	--	Clear water of DNAPL at 5.5 gal, no drawdown
MW-21D	10/15/2007	--	--	1.20	--	--	--	Clear water of DNAPL at 2.75 gal
MW-21D	10/17/2007	--	--	1.05	--	--	--	
MW-21D	10/19/2007	--	--	0.75	--	--	--	Trace DNAPL, sheen present, odor remaining after purge of 4.0 gal
MW-21D	11/30/2007	4.20	--	0.45	--	--	--	
MW-21D	3/5/2008	2.61	--	1.75	--	--	--	
MW-21D	4/10/2008	--	--	0.66	--	--	--	
MW-21D	9/5/2008	--	--	0.75	1.50	1.00	1.50	
MW-21D	9/5/2008	--	--	0.50	0.20	0.45	1.70	
MW-21D	9/5/2008	--	--	0.16	0.05	0.70	1.75	
MW-21D	9/8/2008	--	--	1.80	0.50	1.25	2.25	
MW-21D	9/9/2008	--	--	0.85	0.05	0.15	2.30	
MW-21D	9/10/2008	--	--	1.20	0.10	0.15	2.40	
MW-21D	9/12/2008	--	--	1.30	0.25	1.50	2.65	
MW-21D	9/16/2008	--	--	1.80	0.20	0.05	2.85	
MW-21D	9/18/2008	--	--	1.80	0.20	1.05	3.05	
MW-21D	9/24/2008	--	--	1.90	0.20	0.05	3.25	
MW-21D	9/26/2008	--	--	2.50	0.35	0.80	3.60	
MW-21D	9/26/2008	--	--	0.20	0.10	0.40	3.70	
MW-21D	9/30/2008	--	--	0.60	0.20	1.05	3.90	
MW-21D	10/1/2008	--	--	1.20	0.10	0.15	4.00	
MW-21D	10/2/2008	--	--	0.80	0.10	0.90	4.10	
MW-21D	10/3/2008	--	--	0.80	0.10	0.65	4.20	
MW-21D	10/14/2008	--	--	0.30	0.20	1.80	4.40	
MW-21D	10/17/2008	--	--	2.60	0.50	1.50	4.90	
MW-21D	10/17/2008	--	--	0.10	0.05	0.40	4.95	
MW-21D	10/21/2008	--	--	2.00	0.25	1.00	5.20	
MW-21D	10/24/2008	--	--	1.30	0.13	0.87	5.33	
MW-21D	10/27/2008	--	--	0.50	0.10	0.15	5.43	
MW-21D	11/21/2008	--	--	2.00	1.00	0.75	6.43	
MW-21D	11/25/2008	--	--	1.20	0.15	1.35	6.58	
MW-21D	12/2/2008	--	--	0.60	0.15	0.85	6.73	
MW-21D	12/4/2008	--	--	0.60	0.05	0.70	6.78	
MW-21D	12/9/2008	--	--	0.30	0.05	0.74	6.83	
MW-21D	12/18/2008	--	--	1.50	0.25	1.00	7.08	

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MW-21D	12/30/2008	--	--	1.50	0.20	0.55	7.28	DNAPL staining on bailer on outside and bottom of bailer
MW-21D	1/2/2009	3.69	--	2.20	0.50	0.75	7.78	DNAPL staining on bailer, few globules at bottom of bailer
MW-21D	1/7/2009	--	--	0.00	0.00	0.25	7.78	
MW-21D	1/14/2009	--	--	0.05	0.01	0.25	7.79	Slight DNAPL staining on bailer
MW-21D	1/20/2009	--	--	0.00	0.00	0.25	7.79	DNAPL staining on bailer, sheen present
MW-21D	1/23/2009	--	--	0.00	0.00	0.25	7.79	DNAPL staining on bailer
MW-21D	1/26/2009	--	--	0.01	0.01	0.49	7.80	DNAPL staining on bailer
MW-21D	1/27/2009	--	--	0.00	0.00	0.25	7.80	0.2' of grey water in bailer
MW-21D	1/28/2009	--	--	0.00	0.00	0.25	7.80	
MW-21D	2/5/2009	--	--	0.00	0.00	0.25	7.80	Clear water, Slight DNAPL staining on outside of bailer of bailer, took 1.5 minutes to recharge
MW-21D	3/3/2009	4.46	--	0.00	0.00	0.25	7.80	Clear water, Slight DNAPL staining on outside of bailer of bailer
MW-21D	3/11/2009	4.52	4.54	0.00	0.00	0.25	7.80	
MW-21D	3/17/2009	4.86	6.82	0.00	0.00	0.25	7.80	
MW-21D	3/25/2009	3.95	4.12	0.00	0.00	0.50	7.80	DNAPL staining on bailer
MW-21D	3/31/2009	4.01	4.15	0.00	0.00	0.25	7.80	
MW-21D	4/20/2009	3.87	3.99	0.00	0.00	0.25	7.80	
MW-21D	4/29/2009	4.15	4.45	0.00	0.00	0.25	7.80	
MW-21D	5/6/2009	4.10	4.10	0.00	0.00	0.25	7.80	
MW-21D	5/11/2009	4.06	4.64	0.00	0.00	0.25	7.80	Clear water,
MW-21D	5/20/2009	3.77	3.96	0.00	0.00	0.25	7.80	1.0' grey water; cloudy
MW-21D	5/27/2009	4.39	4.59	0.00	0.00	0.25	7.80	Slight DNAPL staining on bailer
MW-21D	6/15/2009	3.94	4.01	0.00	0.00	0.25	7.80	
MW-21D	6/24/2009	3.62	3.80	0.00	0.00	0.25	7.80	
MW-21D	6/30/2009	4.68	4.68	0.00	0.00	0.25	7.80	
MW-21D	7/31/2009	4.58	6.61	0.00	0.00	0.25	7.80	
MW-21D	8/13/2009	4.73	5.34	0.00	0.00	0.25	7.80	
MW-21D	8/26/2009	5.29	5.45	0.00	0.00	0.25	7.80	0.5' grey water in bailer
MW-21D	10/2/2009	4.12	4.46	0.00	0.00	0.25	7.80	
MW-21D	10/6/2009	4.49	4.72	0.00	0.00	0.25	7.80	Slight DNAPL staining on bailer
MW-21D	12/18/2009	4.69	5.28	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	1/26/2010	4.54	4.83	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	2/3/2010	5.07	5.17	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	3/1/2010	4.94	5.01	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	4/16/2010	5.00	5.00	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	8/3/2010	5.52	5.60	0.00	0.00	0.25	7.80	
MW-21D	8/10/2010	5.57	5.62	0.00	0.00	0.25	7.80	
MW-21D	8/30/2010	5.60	--	0.00	--	NB	7.80	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-21D	2/18/2011	5.05	--	0.00	--	NB	7.80	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-21D	2/22/2011	4.06	--	0.00	--	NB	7.80	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-21D	3/4/2011	4.33	--	0.00	0.00	0.25	7.80	DNAPL staining on bailer

Notes:
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-21D	3/18/2011	5.00	--	0.00	0.00	0.25	7.80	DNAPL staining on bailer
MW-21D	4/4/2011	3.69	--	0.00	0.00	0.25	7.80	
MW-21D	4/12/2011	4.05	--	0.20	0.10	0.40	7.90	
MW-21D	4/19/2011	3.80	--	0.80	0.03	0.13	7.93	Bottom at 26.11'
MW-21D	4/25/2011	3.46	--	0.75	0.13	0.37	8.06	
MW-21D	5/9/2011	4.55	--	1.00	0.10	0.40	8.16	
MW-21D	5/18/2011	4.63	--	0.10	0.00	0.25	8.16	Bottom at 26.04'
MW-21D	6/6/2011	4.08	--	1.40	--	NB	8.16	Bottom at 26.06'; Measured for DNAPL with tape
MW-21D	6/7/2011	4.05	--	1.50	0.21	0.54	8.37	
MW-21D	6/20/2011	4.39	--	0.90	0.07	0.43	8.44	
MW-21D	6/27/2011	3.98	--	0.70	0.01	0.24	8.45	
MW-21D	6/28/2011	4.34	--	0.50	0.04	0.21	8.49	
MW-21D	7/8/2011	4.10	--	0.15	0.01	0.24	8.50	
MW-21D	7/13/2011	5.27	--	0.90	0.03	0.47	8.53	
MW-21D	7/18/2011	5.34	--	0.40	0.04	0.46	8.57	
MW-21D	7/25/2011	6.21	--	0.50	0.04	0.46	8.61	
MW-21D	8/5/2011	5.46	--	0.05	0.00	0.25	8.61	
MW-21D	8/15/2011	5.42	--	0.70	0.08	0.43	8.68	
MW-21D	8/24/2011	5.42	--	0.90	0.05	0.45	8.73	
MW-21D	9/6/2011	5.67	--	0.70	0.08	0.43	8.81	
MW-21D	9/12/2011	5.69	--	0.80	0.01	0.25	8.83	
MW-21D	9/19/2011	5.00	--	0.60	0.01	0.25	8.84	
MW-21D	10/6/2011	5.38	--	0.90	0.09	0.41	8.93	
MW-21D	10/10/2011	5.42	--	0.50	0.00	0.25	8.93	
MW-21D	10/19/2011	5.03	--	0.60	0.03	0.23	8.95	
MW-21D	10/24/2011	5.04	--	0.20	0.01	0.24	8.96	
MW-21D	11/8/2011	5.03	--	0.00	0.00	0.25	8.96	Slight DNAPL staining on bailer
MW-21D	4/24/2012	4.86	--	2.20	0.00	0.00	8.96	First time pumping with EDRS, did not record amount pumped
MW-21D	5/23/2012	--	--	--	1.00	4.00	9.96	
MW-21D	7/24/2012	--	--	--	0.20	5.30	10.16	
MW-21D	7/31/2012	--	--	--	0.20	3.42	10.36	
MW-21D	8/21/2012	--	--	0.90	0.50	4.77	10.86	
MW-21D	9/18/2012	--	--	--	0.11	1.22	10.97	
MW-21D	9/27/2012	--	--	--	0.11	2.39	11.08	
MW-21D	10/2/2012	--	--	--	0.11	2.41	11.19	
MW-21D	10/15/2012	--	--	--	0.10	2.48	11.29	
MW-21D	11/14/2012	--	--	1.80	--	NB	11.29	
MW-21D	4/18/2013	--	--	3.00	--	NB	11.29	
MW-21D	8/23/2013	--	--	6.30	--	NB	11.29	Bottom at 27.18'; installed air lift
MW-21D	9/23/2013	--	--	--	0.43	1.55	11.72	
MW-21D	11/4/2013	--	--	--	0.43	0.52	12.15	
MW-21D	11/12/2013	--	--	--	0.43	0.89	12.58	
MW-21D	11/15/2013	--	--	--	0.42	0.63	13.00	

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-21D	11/18/2013	--	--	--	0.42	0.82	13.42	
MW-21D	3/28/2014	--	--	3.00	1.00	0.68	14.42	
MW-21D	4/8/2014	--	--	--	0.92	0.96	15.34	
MW-21D	4/11/2014	--	--	--	0.24	0.00	15.58	
MW-21D	4/15/2014	--	--	--	0.92	0.27	16.50	
MW-21D	4/16/2014	--	--	--	0.00	0.00	16.50	Unable to measure DNAPL thickness due to airlift assembly
MW-21D	4/18/2014	--	--	--	0.92	0.53	17.42	
MW-21D	5/2/2014	--	--	--	0.92	0.53	18.34	
MW-21D	5/6/2014	--	--	--	0.92	0.58	19.26	
MW-21D	5/13/2014	--	--	--	0.92	0.59	20.18	
MW-21D	5/19/2014	--	--	--	0.92	0.37	21.10	
MW-21D	5/22/2014	--	--	--	0.85	0.00	21.95	
MW-21D	5/27/2014	--	--	--	0.32	0.00	22.27	
MW-21D	8/29/2014	--	--	--	0.45	2.65	22.72	
MW-21D	9/5/2014	--	--	--	0.45	1.56	23.17	
MW-21D	9/12/2014	--	--	--	0.45	2.05	23.62	
MW-21D	9/19/2014	--	--	--	0.45	0.66	24.07	
MW-21D	10/10/2014	--	-	0.50	0.45	0.84	24.52	Bottom at 26.40'
MW-21D	10/17/2014	--	--	--	0.45	0.92	24.97	
MW-21D	10/24/2014	--	--	--	0.45	1.16	25.42	
MW-21D	11/6/2014	--	--	--	0.43	0.76	25.85	
MW-21D	12/29/2014	--	--	--	0.00	0.00	25.85	Unable to measure DNAPL thickness due to airlift assembly
MW-21D	3/4/2015	--	--	--	0.00	0.00	25.85	Unable to measure DNAPL thickness due to airlift assembly
MW-21D	4/3/2015	--	--	--	2.10	0.00	27.95	
MW-21D	4/10/2015	--	--	--	0.86	0.00	28.81	
MW-21D	4/17/2015	--	--	--	1.14	0.00	29.95	
MW-21D	4/24/2015	--	--	--	0.69	0.00	30.64	
MW-21D	5/19/2015	--	--	2.00	0.00	0.00	30.64	Bottom at 27.50'
MW-21D	6/5/2015	--	--	2.00	0.00	0.00	30.64	
MW-21D	7/13/2015	--	--	3.10	0.00	0.00	30.64	
MW-21D	9/28/2015	--	--	4.10	0.00	0.00	30.64	Bottom at 28.30'
MW-21D	1/6/2016	--	--	4.40	0.00	0.00	30.64	Bottom at 26.60'
MW-21D	2/19/2016	--	--	5.00	0.00	0.00	30.64	Bottom at 27.00'
MW-21D	3/18/2016	--	--	--	1.20	0.00	31.84	Spouting, stop recovery
MW-21D	4/8/2016	--	--	--	1.60	0.00	33.44	
MW-21D	5/20/2016	--	--	--	1.10	0.00	34.54	
MW-21D	6/22/2016	--	--	3.00	0.00	0.00	34.54	Bottom at 28.30'
MW-21D	9/9/2016	--	--	4.50	0.00	0.00	34.54	Bottom at 28.30'
MW-21D	10/21/2016	--	--	4.50	0.00	0.00	34.54	Bottom at 28.30'
MW-21D	12/2/2016	--	--	4.50	0.00	0.00	34.54	Bottom at 28.30'
MW-21D	2/24/2017	--	--	4.50	0.00	0.00	34.54	Bottom at 28.30'
MW-21D	3/10/2017	--	--	--	0.50	2.53	35.04	
MW-21D	3/24/2017	--	--	--	0.50	1.51	35.54	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-21D	4/7/2017	--	--	--	0.75	0.27	36.29	
MW-21D	4/21/2017	--	--	1.90	0.04	0.92	36.33	Bottom at 28.30'
MW-21D	7/18/2017	--	--	2.90	0.04	0.92	36.37	Bottom at 28.30'
MW-21D	10/20/2017	--	--	2.90	0.04	0.92	36.41	Bottom at 28.30'
MW-21D	2/27/2018	--	--	3.00	0.00	0.00	36.41	Bottom at 28.30'
MW-21D	5/18/2018	--	--	4.60	0.00	0.00	36.41	Bottom at 28.30'
MW-21D	8/10/2018	--	--	4.10	0.00	0.00	36.41	Bottom at 28.30'
MW-21D	11/19/2018	--	--	3.30	0.00	0.00	36.41	Bottom at 28.30'
MW-21D	3/15/2019	--	--	4.70	0.00	0.00	36.41	Bottom at 28.30'
MW-21D	6/14/2019	--	--	3.40	0.00	0.00	36.41	Bottom at 26.50'; did not reach bottom
MW-21D	7/12/2019	--	--	--	2.00	1.30	38.41	
MW-21D	9/20/2019	--	--	3.00	0.00	0.00	38.41	Bottom at 27.60; did not reach bottom
MW-21D	10/18/2019	--	--	--	1.00	2.20	39.41	
MW-22D	8/4/2000	--	--	NM	--	--	--	
MW-22D	11/13/2000	--	--	NM	--	--	--	
MW-22D	2/1/2001	--	--	NM	--	--	--	
MW-22D	6/21/2001	--	--	NM	--	--	--	
MW-22D	12/11/2001	--	--	NM	--	--	--	
MW-22D	8/11/2003	--	--	NM	--	--	--	
MW-22D	10/29/2003	3.61	--	NM	--	--	--	
MW-22D	2/17/2004	--	--	4.00	--	--	--	
MW-22D	9/9/2004	4.65	--	4.00	--	--	--	
MW-22D	6/28/2007	--	--	0.05	--	--	--	Grey, cloudy, sheen present
MW-22D	7/5/2007	--	--	NM	--	--	--	
MW-22D	7/24/2007	4.20	--	0.60	--	--	--	
MW-22D	8/6/2007	--	--	2.00	--	--	--	Clear water of DNAPL at 1.5 gal, no drawdown
MW-22D	8/9/2007	--	--	0.50	--	--	--	Clear water of DNAPL at 2.0 gal, no drawdown
MW-22D	10/15/2007	--	--	0.20	--	--	--	Clear water of DNAPL at 1.0 gal
MW-22D	10/17/2007	--	--	0.17	--	--	--	
MW-22D	10/19/2007	--	--	0.09	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-22D	11/30/2007	4.15	--	0.02	--	--	--	
MW-22D	3/5/2008	2.58	--	0.00	--	--	--	
MW-22D	4/10/2008	--	--	1.00	--	--	--	
MW-22D	9/5/2008	--	--	1.00	0.10	0.65	0.10	in bailer
MW-22D	9/5/2008	--	--	1.00	0.01	0.49	0.11	
MW-22D	9/5/2008	--	--	0.00	0.00	0.25	0.11	
MW-22D	9/8/2008	--	--	0.30	0.05	0.74	0.16	
MW-22D	9/9/2008	--	--	0.05	0.00	0.25	0.16	
MW-22D	9/10/2008	--	--	0.10	0.00	0.25	0.16	
MW-22D	9/12/2008	--	--	0.10	0.05	0.20	0.21	
MW-22D	9/16/2008	--	--	0.10	0.05	0.20	0.26	
MW-22D	9/18/2008	--	--	0.10	0.05	0.20	0.31	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-22D	9/24/2008	--	--	0.10	0.05	0.20	0.36	
MW-22D	9/26/2008	--	--	0.10	0.01	0.24	0.37	
MW-22D	9/30/2008	--	--	0.10	0.01	0.24	0.38	
MW-22D	10/1/2008	--	--	0.10	0.05	0.20	0.43	
MW-22D	10/2/2008	--	--	0.10	0.05	0.20	0.48	Recorded <0.01' DNAPL
MW-22D	10/3/2008	--	--	0.10	0.05	0.20	0.53	
MW-22D	10/14/2008	--	--	0.05	0.05	0.20	0.58	
MW-22D	10/17/2008	--	--	0.01	0.05	0.40	0.63	
MW-22D	10/21/2008	--	--	0.01	0.05	0.24	0.68	Recorded <0.01' DNAPL
MW-22D	10/24/2008	--	--	0.15	0.05	0.24	0.73	DNAPL staining on bottom of bailer
MW-22D	10/27/2008	--	--	0.05	0.05	0.24	0.78	DNAPL staining on bottom of bailer
MW-22D	11/21/2008	--	--	0.00	0.00	0.25	0.78	DNAPL staining on bottom of bailer
MW-22D	11/25/2008	--	--	0.00	0.00	0.25	0.78	DNAPL staining on bottom of bailer
MW-22D	12/2/2008	--	--	0.00	0.00	0.25	0.78	Trace DNAPL staining on bailer
MW-22D	12/4/2008	--	--	0.00	0.00	0.25	0.78	Trace DNAPL staining on bailer
MW-22D	12/9/2008	--	--	0.00	0.00	0.25	0.78	DNAPL staining on bottom and outside of bailer
MW-22D	12/18/2008	--	--	0.00	0.00	0.25	0.78	DNAPL staining on bottom and outside of bailer
MW-22D	1/2/2009	3.63	--	0.00	0.00	0.25	0.78	
MW-22D	1/7/2009	--	--	0.00	0.00	0.25	0.78	
MW-22D	1/14/2009	--	--	0.05	0.05	0.24	0.83	Slight DNAPL staining on bailer
MW-22D	1/20/2009	--	--	0.00	0.00	0.25	0.83	DNAPL staining on bailer,
MW-22D	1/23/2009	--	--	0.00	0.00	0.25	0.83	DNAPL staining on bailer
MW-22D	1/26/2009	--	--	0.01	0.00	0.25	0.83	DNAPL staining on bailer
MW-22D	1/27/2009	--	--	0.00	0.00	0.25	0.83	DNAPL staining on bailer
MW-22D	1/28/2009	--	--	0.00	0.00	0.25	0.83	
MW-22D	2/5/2009	--	--	0.00	0.00	0.25	0.83	Slight DNAPL staining on outside of bailer of bailer
MW-22D	3/3/2009	4.12	--	0.01	0.01	0.24	0.84	Slight DNAPL staining on outside of bailer of bailer
MW-22D	3/11/2009	4.14	4.16	0.00	0.00	0.25	0.84	
MW-22D	3/17/2009	4.52	4.53	0.00	0.00	0.25	0.84	
MW-22D	3/25/2009	3.63	3.65	0.01	0.05	0.50	0.89	Slight DNAPL staining on outside of bailer
MW-22D	3/31/2009	3.70	3.70	0.00	0.00	0.25	0.89	DNAPL staining on bailer
MW-22D	4/20/2009	3.54	3.59	0.00	0.00	0.25	0.89	DNAPL staining on bailer
MW-22D	4/29/2009	3.83	3.81	0.00	0.00	0.25	0.89	
MW-22D	5/6/2009	3.81	3.84	0.00	0.00	0.25	0.89	
MW-22D	5/11/2009	3.76	3.82	0.00	0.00	0.25	0.89	
MW-22D	5/20/2009	3.43	3.48	0.00	0.00	0.25	0.89	
MW-22D	5/27/2009	4.06	4.06	0.00	0.00	0.25	0.89	
MW-22D	6/15/2009	3.58	3.60	0.00	0.00	0.25	0.89	
MW-22D	6/24/2009	3.28	3.37	0.00	0.00	0.25	0.89	Slight DNAPL staining on bailer
MW-22D	6/30/2009	4.35	4.42	0.00	0.00	0.25	0.89	
MW-22D	7/31/2009	4.32	4.40	0.00	0.00	0.25	0.89	
MW-22D	8/13/2009	4.42	4.43	0.04	0.03	0.47	0.92	yellow-green water

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-22D	8/26/2009	4.97	4.96	0.10	0.05	0.45	0.97	
MW-22D	10/2/2009	3.78	3.81	0.10	0.01	0.24	0.98	
MW-22D	10/6/2009	4.17	4.27	0.00	0.00	0.25	0.98	
MW-22D	12/18/2009	4.34	4.40	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	1/26/2010	4.23	4.24	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	2/3/2010	4.74	4.77	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	3/1/2010	4.62	4.64	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	4/16/2010	4.68	4.70	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	8/3/2010	5.18	5.21	0.00	0.00	0.25	0.98	
MW-22D	8/10/2010	5.24	5.27	0.00	0.00	0.25	0.98	
MW-22D	8/30/2010	5.27	--	0.00	--	NB	0.98	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-22D	2/18/2011	4.74	--	0.00	--	NB	0.98	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-22D	2/22/2011	3.73	--	0.00	--	NB	0.98	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-22D	3/4/2011	4.02	--	0.00	0.00	0.25	0.98	
MW-22D	3/18/2011	4.60	--	0.00	0.00	0.25	0.98	
MW-22D	4/4/2011	3.40	--	0.00	0.00	0.25	0.98	
MW-22D	4/12/2011	3.71	--	0.00	0.00	0.25	0.98	
MW-22D	4/19/2011	3.47	--	0.00	--	NB	0.98	Bottom at 20.40'; Measured for DNAPL with tape
MW-22D	5/18/2011	4.30	--	0.00	--	NB	0.98	Bottom at 20.44'; Measured for DNAPL with tape
MW-22D	6/27/2011	3.61	--	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	7/8/2011	3.87	--	0.00	0.00	0.25	0.98	
MW-22D	7/13/2011	5.92	--	0.00	0.00	0.25	0.98	
MW-22D	7/18/2011	5.01	--	0.00	0.00	0.25	0.98	
MW-22D	7/25/2011	4.82	--	0.00	0.00	0.25	0.98	Trace DNAPL staining on bailer
MW-22D	8/5/2011	5.13	--	0.00	0.00	0.25	0.98	Trace DNAPL staining on bailer
MW-22D	8/24/2011	5.04	--	0.00	0.00	0.25	0.98	DNAPL staining on bailer
MW-22D	10/6/2011	5.05	--	0.00	0.00	0.25	0.98	
MW-22D	10/24/2011	4.76	--	0.01	0.01	0.24	0.99	
MW-22D	11/8/2011	4.75	--	0.00	0.00	0.25	0.99	Silty with DNAPL staining on bailer
MW-22D	6/5/2012	--	--	0.00	--	NB	0.99	Bottom at 20.62'
MW-22D	11/14/2012	--	--	0.00	0.00	NB	0.99	
MW-22D	4/18/2013	--	--	0.00	--	NB	0.99	Silty with DNAPL staining on probe
MW-22D	8/23/2013	--	--	0.00	--	NB	0.99	Bottom at 21.10'; 5' of sediment in well.
MW-22D	4/16/2014	--	--	0.00	0.00	0.00	0.99	Bottom at 20.75'
MW-22D	12/29/2014	--	--	0.00	0.00	0.00	0.99	Bottom at 21.70'
MW-22D	3/4/2015	--	--	0.00	0.00	0.00	0.99	Bottom at 21.70'
MW-22D	5/19/2015	--	--	0.00	0.00	0.00	0.99	Bottom at 21.00'
MW-22D	1/6/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 21.25'; sediment
MW-22D	2/19/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment
MW-22D	6/22/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 21.45'; sediment
MW-22D	9/9/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-22D	10/21/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 22.30'; sediment
MW-22D	12/2/2016	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment
MW-22D	2/24/2017	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment
MW-22D	4/21/2017	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment
MW-22D	7/18/2017	--	--	0.00	0.00	0.00	0.99	Bottom at 21.55'; sediment
MW-22D	10/20/2017	--	--	0.00	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	2/27/2018	--	--	0.00	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	5/18/2018	--	--	0.00	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	8/10/2018	--	--	0.00	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	11/19/2018	--	--	0.00	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	3/15/2019	--	--	0.40	0.00	0.00	0.99	Bottom at 21.80'; sediment
MW-22D	6/14/2019	--	--	0.00	0.00	0.00	0.99	Bottom at 22.20'
MW-22D	9/20/2019	--	--	0.00	0.00	0.00	0.99	Bottom at 21.00'; sediment
MW-23D	8/4/2000	--	--	NM	--	--	--	
MW-23D	11/13/2000	--	--	NM	--	--	--	
MW-23D	2/1/2001	--	--	NM	--	--	--	
MW-23D	6/21/2001	--	--	NM	--	--	--	
MW-23D	12/11/2001	--	--	NM	--	--	--	Purged dry @ 5.0 gal, strong odor
MW-23D	8/11/2003	--	--	NM	--	--	--	Odor, black floculants present in bailer
MW-23D	10/23/2003	3.23	--	NM	--	--	--	
MW-23D	9/9/2004	4.30	--	0.00	--	--	--	Grey
MW-23D	7/24/2007	4.08	--	OBS	--	--	--	Did not bail
MW-23D	10/15/2007	--	--	0.00	--	--	--	Purged dry @ 5.0 gal, grey
MW-23D	10/17/2007	--	--	0.00	--	--	--	
MW-23D	10/19/2007	--	--	0.00	--	--	--	Purged 0.5 gallons, (Checked for DNAPL Twice)
MW-23D	11/30/2007	7.57	--	0.00	--	--	--	
MW-23D	3/5/2008	3.04	--	0.00	--	--	--	
MW-23D	4/10/2008	--	--	0.00	--	--	--	
MW-23D	9/18/2008	--	--	0.00	0.00	0.25	0.00	
MW-23D	9/24/2008	--	--	0.00	0.00	0.25	0.00	
MW-23D	9/26/2008	4.42	--	0.00	0.00	0.25	0.00	
MW-23D	9/30/2008	4.57	--	0.00	0.00	0.25	0.00	
MW-23D	10/1/2008	--	--	0.00	0.00	0.25	0.00	
MW-23D	10/2/2008	4.65	--	0.00	0.00	0.25	0.00	
MW-23D	10/3/2008	4.67	--	0.00	0.00	0.25	0.00	
MW-23D	10/14/2008	4.53	--	0.00	0.00	0.25	0.00	
MW-23D	10/17/2008	4.52	--	0.00	0.00	0.25	0.00	
MW-23D	10/21/2008	4.64	--	0.00	0.00	0.25	0.00	
MW-23D	10/24/2008	4.28	--	0.00	0.00	0.25	0.00	
MW-23D	10/27/2008	4.33	--	0.00	0.00	0.25	0.00	
MW-23D	11/21/2008	4.14	--	0.00	0.00	0.25	0.00	Odor
MW-23D	11/25/2008	4.08	--	0.00	0.00	0.25	0.00	Odor

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-23D	12/2/2008	3.88	--	0.00	0.00	0.25	0.00	Odor
MW-23D	12/4/2008	3.89	--	0.00	0.00	0.25	0.00	
MW-23D	12/9/2008	3.22	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	12/18/2008	3.67	--	0.00	0.00	0.25	0.00	Slight odor
MW-23D	12/30/2008	2.88	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/2/2009	3.26	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/7/2009	3.29	--	0.00	0.00	0.25	0.00	
MW-23D	1/14/2009	3.50'	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/20/2009	3.89	--	0.00	0.00	0.25	0.00	Slight DNAPL staining on outside of bailer
MW-23D	1/23/2009	4.28	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/26/2009	4.34'	--	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-23D	1/27/2009	4.34	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/28/2009	4.31	--	0.00	0.00	0.25	0.00	
MW-23D	2/5/2009	4.13	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	3/3/2009	3.79	--	0.00	0.00	0.25	0.00	Clear water
MW-23D	3/11/2009	3.80	5.29	0.00	0.00	0.25	0.00	
MW-23D	3/17/2009	4.10	5.68	0.00	0.00	0.25	0.00	
MW-23D	3/25/2009	3.28	6.22	0.00	0.00	0.50	0.00	Clear water
MW-23D	3/31/2009	3.27	4.76	0.00	0.00	0.25	0.00	
MW-23D	4/20/2009	3.13	3.27	0.00	0.00	0.25	0.00	
MW-23D	4/29/2009	3.42	4.94	0.00	0.00	0.25	0.00	
MW-23D	5/6/2009	3.50	4.98	0.00	0.00	0.25	0.00	
MW-23D	5/11/2009	3.29	4.86	0.00	0.00	0.25	0.00	
MW-23D	5/20/2009	3.08	4.54	0.00	0.00	0.25	0.00	Clear water
MW-23D	5.27/2009	3.68	5.19	0.00	0.00	0.25	0.00	
MW-23D	6/15/2009	3.22	4.63	0.00	0.00	0.25	0.00	
MW-23D	6/24/2009	2.86	5.61	0.00	0.00	0.25	0.00	
MW-23D	6/30/2009	3.87	5.07	0.00	0.00	0.25	0.00	
MW-23D	7/31/2009	3.92	5.10	0.00	0.00	0.25	0.00	
MW-23D	8/13/2009	4.01	6.62	0.00	0.00	0.25	0.00	
MW-23D	8/26/2009	4.60	6.13	0.00	0.00	0.25	0.00	Clear water
MW-23D	10/2/2009	3.42	4.90	0.00	0.00	0.25	0.00	
MW-23D	10/6/2009	3.77	5.19	0.00	0.00	0.25	0.00	
MW-23D	12/18/2009	3.93	5.52	0.00	0.00	0.25	0.00	Clear water
MW-23D	1/26/2010	3.83	5.32	0.00	0.00	0.25	0.00	
MW-23D	2/3/2010	4.40	5.85	0.00	0.00	0.25	0.00	
MW-23D	3/1/2010	4.35	5.92	0.00	0.00	0.25	0.00	
MW-23D	8/30/2010	4.88	--	0.00	--	NB	0.00	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-23D	2/18/2011	4.39	--	0.00	0.00	NB	0.00	
MW-23D	2/22/2011	3.32	--	0.00	0.00	NB	0.00	
MW-23D	7/13/2011	4.58	--	0.00	0.00	0.08	0.00	
MW-23D	8/24/2011	4.70	--	0.00	0.00	0.08	0.00	Odor

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CSX Transportation
Former Indiana Creosoting Company
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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-23D	10/6/2011	4.68	--	0.00	0.00	0.25	0.00	Odor
MW-23D	4/16/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 24.3', odor
MW-23D	12/29/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 24.30'
MW-23D	3/4/2015	--	--	0.00	0.00	0.00	0.00	Bottom at 24.30'
MW-23D	2/19/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 24.30'
MW-23D	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	7/18/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	10/20/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	2/27/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	5/18/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	8/10/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	11/19/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	3/15/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	6/14/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-23D	9/20/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 24.40'
MW-24A	3/5/2008	--	--	--	--	--	--	
MW-24A	4/10/2008	--	--	--	--	--	--	
MW-24A	9/5/2008	--	--	0.20	2.00	0.50	2.00	
MW-24A	9/5/2008	--	--	1.50	2.00	0.55	4.00	
MW-24A	9/5/2008	--	--	1.00	0.10	0.40	4.10	
MW-24A	9/5/2008	--	--	0.04	0.01	0.49	4.11	
MW-24A	9/8/2008	--	--	2.25	0.75	1.50	4.86	
MW-24A	9/9/2008	--	--	1.25	0.15	0.10	5.01	
MW-24A	9/10/2008	--	--	2.80	0.25	0.00	5.26	
MW-24A	9/12/2008	--	--	2.00	0.25	1.25	5.51	
MW-24A	9/18/2008	--	--	1.20	0.30	0.12	5.81	
MW-24A	9/24/2008	--	--	1.40	0.15	0.95	5.96	
MW-24A	9/26/2008	--	--	2.70	0.50	0.10	6.46	
MW-24A	9/26/2008	--	--	0.25	0.10	0.50	6.56	
MW-24A	9/30/2008	--	--	1.80	0.40	0.40	6.96	
MW-24A	9/30/2008	--	--	0.60	0.10	0.85	7.06	
MW-24A	9/16/2008	--	--	1.50	0.13	0.40	7.19	Bailed twice this day.
MW-24A	10/1/2008	--	--	1.00	0.10	0.15	7.29	
MW-24A	10/2/2008	--	--	0.50	0.15	0.85	7.44	Bailed twice this day.
MW-24A	10/2/2008	--	--	0.20	0.05	0.40	7.49	
MW-24A	10/3/2008	--	--	0.50	0.10	0.65	7.59	Bailed twice this day.
MW-24A	10/3/2008	--	--	0.10	0.05	0.90	7.64	
MW-24A	10/14/2008	--	--	1.50	0.55	1.70	8.19	Bailed 3 times this day.

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-24A	10/14/2008	--	--	0.80	0.20	0.80	8.39	
MW-24A	10/17/2008	--	--	1.80	0.80	0.95	9.19	
MW-24A	10/17/2008	--	--	0.75	0.10	0.40	9.29	
MW-24A	10/17/2008	--	--	0.00	0.00	0.25	9.29	Bailed twice this day.
MW-24A	10/21/2008	--	--	2.80	0.80	0.95	10.09	
MW-24A	10/21/2008	--	--	0.50	0.10	0.65	10.19	
MW-24A	10/24/2008	--	--	0.50	0.20	1.55	10.39	
MW-24A	10/27/2008	4.20	--	1.50	0.15	0.10	10.54	
MW-24A	11/21/2008	--	--	3.00	1.50	0.75	12.04	
MW-24A	11/25/2008	--	--	1.50	0.25	1.25	12.29	Bailed twice this day.
MW-24A	12/2/2008	--	--	1.00	0.20	1.05	12.49	
MW-24A	12/2/2008	--	--	1.50	0.15	0.85	12.64	
MW-24A	12/4/2008	--	--	1.25	0.15	0.85	12.79	
MW-24A	12/9/2008	--	--	0.70	0.05	0.95	12.84	
MW-24A	12/18/2008	--	--	3.00	0.50	1.00	13.34	Bailed twice this day.
MW-24A	12/30/2008	--	--	1.90	0.25	0.75	13.59	
MW-24A	12/30/2008	--	--	1.00	0.15	0.60	13.74	
MW-24A	1/2/2009	3.21	--	2.10	0.65	0.85	14.39	
MW-24A	1/7/2009	--	--	1.20	0.40	0.60	14.79	
MW-24A	1/14/2009	--	--	1.50	0.25	1.00	15.04	
MW-24A	1/20/2009	--	--	1.80	0.25	1.00	15.29	
MW-24A	1/20/2009	--	--	0.20	0.10	0.65	15.39	DNAPL present
MW-24A	1/23/2009	--	--	1.20	0.20	1.05	15.59	DNAPL present
MW-24A	1/26/2009	--	--	1.00	0.10	1.15	15.69	DNAPL present
MW-24A	1/27/2009	--	--	0.50	0.10	0.90	15.79	DNAPL present; Bailed twice this day.
MW-24A	1/28/2009	--	--	0.80	0.10	0.90	15.89	
MW-24A	2/5/2009	--	--	0.10	0.25		16.14	DNAPL present
MW-24A	3/3/2009	4.31	--	1.00	0.10	0.65	16.24	DNAPL present
MW-24A	3/11/2009	3.80	6.83	0.30	0.05	0.95	16.29	
MW-24A	3/17/2009	4.05	8.52	0.30	0.05	1.20	16.34	
MW-24A	3/25/2009	3.45	10.65	0.10	0.05	1.20	16.39	
MW-24A	3/31/2009	3.26	6.35	0.15	0.10	0.49	16.49	
MW-24A	4/20/2009	3.08	6.12	0.20	0.05	0.70	16.54	
MW-24A	4/29/2009	3.41	9.19	0.60	0.10	0.90	16.64	
MW-24A	5/6/2009	3.45	6.48	0.01	0.00	1.25	16.64	
MW-24A	5/11/2009	3.31	4.74	0.00	0.00	0.25	16.64	DNAPL staining on bailer
MW-24A	5/20/2009	2.96	8.83	0.05	0.04	0.96	16.68	
MW-24A	5/27/2009	3.61	9.53	0.05	0.04	0.96	16.72	
MW-24A	6/15/2009	3.12	9.12	0.30	0.15	0.85	16.87	
MW-24A	6/24/2009	2.74	10.66	0.18	0.08	0.67	16.95	
MW-24A	6/30/2009	3.64	8.50	1.00	0.15	1.10	17.10	
MW-24A	7/31/2009	4.18	5.76	2.00	0.30	0.70	17.40	
MW-24A	8/13/2009	3.90	15.62	2.80	0.45	0.80	17.85	

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DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-24A	8/26/2009	4.53	14.52	1.50	0.75	1.00	18.60	
MW-24A	10/2/2009	3.28	7.98	0.05	0.10	0.65	18.70	Tan water
MW-24A	10/6/2009	3.83	16.42	3.00	1.05	1.20	19.75	
MW-24A	12/18/2009	3.88	12.29	7.00	0.90	0.85	20.65	4.0' of DNAPL up rope tied on bailer
MW-24A	12/21/2009	3.62	8.21	1.50	0.22	0.78	20.87	
MW-24A	1/4/2010	4.33	14.38	0.08	0.62	1.38	21.49	Did not hit bottom until 3rd bailer was thrown down well
MW-24A	1/6/2010	4.47	12.21	1.25	0.24	1.01	21.73	
MW-24A	1/11/2010	4.58	12.53	1.50	0.30	0.95	22.03	
MW-24A	1/18/2010	4.13	9.81	2.60	0.22	0.53	22.25	
MW-24A	1/25/2010	3.63	12.72	2.50	0.27	0.73	22.52	
MW-24A	2/2/2010	4.30	12.35	1.50	0.16	0.84	22.68	
MW-24A	2/2/2010	7.42	14.04	0.50	0.03	0.97	22.71	
MW-24A	2/4/2010	4.40	12.80	1.50	0.16	0.84	22.87	
MW-24A	2/4/2010	6.25	13.29	0.50	0.03	0.97	22.90	
MW-24A	2/5/2010	4.31	NM	1.00	0.23	1.52	23.13	
MW-24A	2/22/2010	3.90	15.20	1.50	0.22	1.28	23.35	
MW-24A	3/2/2010	4.19	16.97	1.00	0.23	1.77	23.58	
MW-24A	3/2/2010	9.13	17.92	0.30	0.02	0.98	23.60	
MW-24A	3/4/2010	4.29	12.31	0.50	0.12	0.88	23.72	
MW-24A	3/8/2010	4.19	12.95	1.25	0.21	1.04	23.93	
MW-24A	3/11/2010	4.42	11.77	1.00	0.16	0.84	24.09	
MW-24A	4/16/2010	4.21	11.83	1.00	0.10	0.65	24.19	
MW-24A	4/26/2010	3.26	13.12	0.50	0.08	0.92	24.27	
MW-24A	5/5/2010	3.88	13.21	0.50	0.16	1.34	24.43	
MW-24A	6/1/2010	4.21	6.95	0.00	0.00	0.25	24.43	
MW-24A	6/9/2010	4.03	6.51	0.00	0.00	0.25	24.43	
MW-24A	8/17/2010	5.12	--	0.25	--	NB	24.43	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-24A	8/23/2010	4.64	--	1.15	--	NB	24.43	Recovery Program Temporarily Suspended, Bottom at 26.90'; Measured for DNAPL with tape
MW-24A	8/30/2010	4.76	--	1.70	--	NB	24.43	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-24A	9/17/2010	4.75	--	5.50	--	NB	24.43	Bottom at 26.92'; Measured for DNAPL with tape
MW-24A	9/24/2010	4.89	24.00	5.50	2.66	1.59	27.09	
MW-24A	10/1/2010	5.04	23.00	2.00	1.62	2.13	28.71	
MW-24A	10/5/2010	4.94	24.00	1.25	0.82	2.93	29.53	
MW-24A	10/12/2010	5.07	22.00	2.00	0.93	2.57	30.46	
MW-24A	10/18/2010	5.01	--	2.00	1.04	1.46	31.50	Bottom at 26.92'
MW-24A	12/10/2010	4.30	--	5.00	2.15	1.85	33.65	
MW-24A	12/28/2010	4.21	--	6.00	1.56	1.19	35.21	
MW-24A	1/3/2011	3.97	--	1.50	0.60	1.15	35.81	
MW-24A	1/10/2011	4.70	--	1.50	0.24	0.76	36.05	
MW-24A	1/17/2011	4.39	--	2.00	0.19	0.56	36.24	
MW-24A	1/28/2011	--	--	2.25	--	NB	36.24	Did not bail; Measured for DNAPL with tape

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-24A	2/18/2011	4.32	--	0.49	0.19	0.56	36.43	
MW-24A	2/22/2011	3.73	--	1.15	--	NB	36.43	Did not bail; Measured for DNAPL with tape
MW-24A	3/4/2011	3.52	--	0.60	0.09	0.41	36.52	
MW-24A	3/18/2011	3.91	--	1.00	0.12	0.63	36.64	Sand at bottom
MW-24A	3/28/2011	4.42	--	0.70	0.01	0.49	36.65	
MW-24A	4/4/2011	3.52	--	0.10	0.01	0.24	36.66	
MW-24A	4/12/2011	3.29	--	0.10	0.00	0.25	36.66	
MW-24A	4/19/2011	3.00	--	0.10	0.01	0.07	36.67	Bottom at 26.50'
MW-24A	4/25/2011	2.81	--	0.10	--	NB	36.67	Did not bail; Measured for DNAPL with tape
MW-24A	5/9/2011	3.70	--	0.30	0.03	0.22	36.70	
MW-24A	5/18/2011	3.87	--	0.15	0.00	0.25	36.70	Bottom at 26.50'
MW-24A	6/6/2011	4.31	--	0.40	--	NB	36.70	Bottom at 26.50'; Measured for DNAPL with tape
MW-24A	6/7/2011	4.25	--	0.40	0.03	0.22	36.73	
MW-24A	6/20/2011	3.60	--	0.30	0.01	0.24	36.74	
MW-24A	6/27/2011	3.07	--	0.60	0.03	0.22	36.77	
MW-24A	6/28/2011	3.57	--	0.30	0.02	0.06	36.79	
MW-24A	7/8/2011	3.33	--	0.50	0.05	0.70	36.84	
MW-24A	7/11/2011	4.43	--	0.20	0.01	0.49	36.85	
MW-24A	7/13/2011	4.49	--	0.60	0.04	0.46	36.89	
MW-24A	7/18/2011	4.60	--	1.50	0.14	0.36	37.03	
MW-24A	7/25/2011	4.38	--	1.50	0.15	0.35	37.18	
MW-24A	8/5/2011	4.70	--	1.30	0.50	0.50	37.68	
MW-24A	8/15/2011	4.58	--	2.30	0.44	0.56	38.12	
MW-24A	8/24/2011	4.60	--	2.80	0.48	0.56	38.59	
MW-24A	9/6/2011	6.14	--	2.50	0.59	0.41	39.18	
MW-24A	9/12/2011	4.89	--	2.00	0.50	1.50	39.68	
MW-24A	9/19/2011	6.20	--	1.00	0.46	0.54	40.14	
MW-24A	10/6/2011	4.60	--	2.20	0.71	1.04	40.85	
MW-24A	10/10/2011	4.62	--	2.70	0.46	0.54	41.32	
MW-24A	10/19/2011	4.31	--	3.00	0.64	0.36	41.95	
MW-24A	11/4/2011	3.87	--	3.00	0.56	0.44	42.52	
MW-24A	11/8/2011	4.29	--	0.90	0.14	0.36	42.65	
MW-24A	6/5/2012	--	--	3.20	0.00	NB	42.65	Bottom at 26.04, need to re survey.
MW-24A	7/31/2012	--	--	5.20	1.00	2.00	43.65	
MW-24A	8/21/2012	--	--	5.25	1.25	3.15	44.90	
MW-24A	8/24/2012	--	--	4.00	0.00	NB	44.90	
MW-24A	8/29/2012	--	--	5.00	0.75	2.26	45.65	
MW-24A	9/4/2012	--	--	3.50	0.50	1.65	46.15	
MW-24A	9/17/2012	--	--	5.00	0.00	NB	46.15	
MW-24A	9/18/2012	--	--	5.00	0.32	1.81	46.47	
MW-24A	9/27/2012	--	--	5.50	0.32	2.37	46.79	
MW-24A	10/2/2012	--	--	4.00	0.32	2.51	47.11	
MW-24A	10/15/2012	--	--	--	0.32	3.19	47.43	

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MW-24A	11/14/2012	--	--	5.20	--	NB	47.43	
MW-24A	12/5/2012	--	--	5.00	1.60	0.00	49.03	
MW-24A	12/17/2012	--	--	1.90	0.04	1.85	49.07	
MW-24A	1/2/2013	--	--	3.00	0.03	2.48	49.10	
MW-24A	1/7/2013	--	--	2.10	0.03	1.66	49.13	
MW-24A	4/18/2013	--	--	0.00	--	NB	49.13	
MW-24A	5/3/2013	--	--	0.00	--	NB	49.13	
MW-24A	8/23/2013	--	--	1.30	--	NB	49.13	Bottom at 23.98'; 2.5' of sediment in well
MW-24A	9/23/2013	--	--	--	0.43	0.82	49.56	Installed air lift
MW-24A	11/12/2013	--	--	--	0.43	0.58	49.99	
MW-24A	11/15/2013	--	--	--	0.42	0.78	50.41	
MW-24A	3/28/2014	--	--	--	0.90	0.17	51.31	
MW-24A	4/16/2014	--	--	--	0.00	0.00	51.31	Unable to measure DNAPL thickness due to airlift assembly
MW-24A	12/29/2014	--	--	--	0.00	0.00	51.31	Unable to measure DNAPL thickness due to airlift assembly
MW-24A	3/4/2015	--	--	--	0.00	0.00	51.31	Unable to measure DNAPL thickness due to airlift assembly
MW-24A	4/15/2015	--	--	5.00	0.00	0.00	51.31	
MW-24A	5/8/2015	--	--	--	0.90	1.07	52.21	
MW-24A	5/15/2015	--	--	--	0.89	0.72	53.10	
MW-24A	5/19/2015	--	--	1.50	0.00	0.00	53.10	
MW-24A	7/13/2015	--	--	2.00	0.00	0.00	53.10	
MW-24A	9/28/2015	--	--	4.80	0.00	0.00	53.10	Bottom at 25.85'
MW-24A	1/6/2016	--	--	4.40	0.00	0.00	53.10	Bottom at 25.90'
MW-24A	2/19/2016	--	--	5.25	0.00	0.00	53.10	Bottom at 26.75'
MW-24A	3/18/2016	--	--	--	0.90	0.84	54.00	
MW-24A	4/8/2016	--	--	--	0.05	1.26	54.05	
MW-24A	5/20/2016	--	--	--	0.05	1.00	54.10	
MW-24A	6/22/2016	--	--	0.80	0.00	0.00	54.10	Bottom at 26.75'
MW-24A	9/9/2016	--	--	1.00	0.00	0.00	54.10	Bottom at 26.75'
MW-24A	10/21/2016	--	--	3.00	0.00	0.00	54.10	Bottom at 26.75'
MW-24A	12/2/2016	--	--	3.50	0.00	0.00	54.10	Bottom at 26.75'
MW-24A	2/24/2017	--	--	2.90	0.00	0.00	54.10	Bottom at 26.75'
MW-24A	3/10/2017	--	--	--	0.84	0.00	54.94	
MW-24A	4/21/2017	--	--	1.70	0.00	0.00	54.94	Bottom at 26.75'
MW-24A	7/18/2017	--	--	2.30	0.00	0.00	54.94	Bottom at 26.75'
MW-24A	10/20/2017	--	--	2.30	0.00	0.00	54.94	Bottom at 26.75'
MW-24A	2/27/2018	--	--	3.40	0.00	0.00	54.94	Bottom at 26.75'
MW-24A	5/18/2018	--	--	2.30	0.00	2.90	54.94	Bottom at 26.75'
MW-24A	8/10/2018	--	--	1.60	0.00	2.90	54.94	Bottom at 26.75'
MW-24A	11/19/2018	--	--	2.20	0.00	2.90	54.94	Bottom at 26.75'
MW-24A	3/15/2019	--	--	2.60	0.00	2.90	54.94	Bottom at 26.75'
MW-24A	6/14/2019	--	--	1.40	0.00	2.90	54.94	Bottom at 25.00'; did not reach bottom
MW-24A	9/20/2019	--	--	3.30	0.00	2.90	54.94	Bottom at 25.80'; did not reach bottom

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-25A	3/5/2008	--	--	--	--	--	--	
MW-25A	4/10/2008	--	--	--	--	--	--	
MW-25A	9/5/2008	--	--	0.00	0.00	0.25	0.00	
MW-25A	9/9/2008	--	--	0.00	0.00	0.25	0.00	
MW-25A	9/18/2008	--	--	0.00	0.00	0.25	0.00	
MW-25A	9/24/2008	--	--	0.00	0.00	0.25	0.00	
MW-25A	9/26/2008	6.60	--	0.00	0.00	0.25	0.00	
MW-25A	9/30/2008	6.73	--	0.00	0.00	0.25	0.00	
MW-25A	10/1/2008	--	--	0.00	0.00	0.25	0.00	
MW-25A	10/2/2008	6.80	--	0.00	0.00	0.25	0.00	
MW-25A	10/3/2008	6.87	--	0.00	0.00	0.25	0.00	
MW-25A	10/14/2008	6.24	--	0.00	0.00	0.25	0.00	
MW-25A	10/17/2008	6.27	--	0.00	0.00	0.25	0.00	
MW-25A	10/21/2008	6.35	--	0.00	0.00	0.25	0.00	
MW-25A	10/24/2008	6.93	--	0.00	0.00	0.25	0.00	
MW-25A	10/27/2008	6.04	--	0.00	0.00	0.25	0.00	
MW-25A	11/21/2008	6.24	--	0.00	0.00	0.25	0.00	
MW-25A	11/25/2008	5.48	--	0.00	0.00	0.25	0.00	
MW-25A	12/2/2008	5.28	--	0.00	0.00	0.25	0.00	
MW-25A	12/4/2008	5.29	--	0.00	0.00	0.25	0.00	
MW-25A	12/9/2008	4.36	--	0.00	0.00	0.25	0.00	Tan water
MW-25A	12/18/2008	4.88	--	0.00	0.00	0.25	0.00	Slight odor
MW-25A	12/30/2008	4.04	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	1/2/2009	4.48	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	1/7/2009	4.50	--	0.00	0.00	0.25	0.00	
MW-25A	1/14/2009	4.67	--	0.00	0.00	0.25	0.00	Slight odor
MW-25A	1/20/2009	5.41	--	0.00	0.00	0.25	0.00	Light brown water
MW-25A	1/23/2009	4.28	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	1/26/2009	6.89	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	1/27/2009	5.83	--	0.00	0.00	0.25	0.00	Light-yellow colored water in bailer
MW-25A	1/29/2009	5.85	--	0.00	0.00	0.25	0.00	
MW-25A	2/5/2009	5.57	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	3/3/2009	4.78	--	0.00	0.00	0.25	0.00	Clear water
MW-25A	3/11/2009	5.20	6.38	0.00	0.00	0.25	0.00	
MW-25A	3/17/2009	5.95	6.86	0.00	0.00	0.25	0.00	
MW-25A	3/25/2009	4.81	6.76	0.00	0.00	0.50	0.00	
MW-25A	3/31/2009	4.58	5.76	0.00	0.00	0.25	0.00	
MW-25A	4/20/2009	4.35	5.48	0.00	0.00	0.25	0.00	
MW-25A	4/29/2009	4.70	5.29	0.00	0.00	0.25	0.00	
MW-25A	5/6/2009	4.85	5.95	0.00	0.00	0.25	0.00	
MW-25A	5/11/2009	4.78	6.04	0.00	0.00	0.25	0.00	
MW-25A	5/20/2009	4.42	5.63	0.00	0.00	0.25	0.00	
MW-25A	5/27/2009	4.95	6.22	0.00	0.00	0.25	0.00	

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MW-25A	6/15/2009	4.79	5.63	0.00	0.00	0.25	0.00	
MW-25A	6/24/2009	4.64	5.79	0.00	0.00	0.25	0.00	
MW-25A	6/30/2009	5.49	6.21	0.00	0.00	0.25	0.00	
MW-25A	7/31/2009	5.21	6.48	0.00	0.00	0.25	0.00	
MW-25A	8/13/2009	5.56	6.85	0.00	0.00	0.25	0.00	
MW-25A	8/26/2009	6.74	7.95	0.00	0.00	0.25	0.00	
MW-25A	10/2/2009	4.98	5.96	0.00	0.00	0.25	0.00	
MW-25A	10/6/2009	5.61	6.50	0.00	0.00	0.25	0.00	
MW-25A	12/18/2009	4.58	5.95	0.00	0.00	0.25	0.00	
MW-25A	1/26/2010	4.35	5.55	0.00	0.00	0.25	0.00	
MW-25A	2/3/2010	5.10	6.31	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-25A	3/1/2010	4.88	6.25	0.00	0.00	0.25	0.00	DNAPL staining on bailer
MW-25A	8/3/2010	6.99	8.08	0.00	0.00	0.25	0.00	
MW-25A	8/10/2010	7.20	8.27	0.00	0.00	0.25	0.00	
MW-25A	8/24/2011	NM	--	0.00	0.00	0.25	0.00	Silt in bailer
MW-25A	10/6/2011	NM	--	0.00	0.00	0.25	0.00	Odor, silt in bailer
MW-25A	4/16/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 22.15'
MW-25A	1/6/2016	--	--	0.00	0.00	0.00	0.00	
MW-25A	2/19/2016	--	--	0.00	0.00	0.00	0.00	
MW-25A	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	7/18/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 22.30'
MW-25A	10/20/2017	--	--	0.10	0.00	0.00	0.00	Bottom at 22.50'
MW-25A	2/27/2018	--	--	0.50	0.00	0.00	0.00	Bottom at 22.50'
MW-25A	5/18/2018	--	--	0.80	0.00	0.00	0.00	Bottom at 22.50'
MW-25A	6/14/2018	--	--	--	0.01	0.49	0.01	Bail
MW-25A	8/10/2018	--	--	0.00	0.00	0.00	0.01	Bottom at 22.50'
MW-25A	11/19/2018	--	--	0.05	0.00	0.00	0.01	Bottom at 22.50'
MW-25A	3/15/2019	--	--	0.00	0.00	0.00	0.01	Bottom at 22.50'
MW-25A	6/14/2019	--	--	0.00	0.00	0.00	0.01	Bottom at 22.40'
MW-25A	9/20/2019	--	--	0.00	0.00	0.00	0.01	Bottom at 22.50'
MW-26A	3/5/2008	--	--	--	--	--	--	
MW-26A	4/10/2008	--	--	--	--	--	--	
MW-26A	9/5/2008	--	--	0.00	0.00	0.25	0.00	
MW-26A	9/8/2008	37.48	--	0.00	0.00	0.25	0.00	
MW-26A	9/9/2008	--	--	0.00	0.00	0.25	0.00	
MW-26A	9/18/2008	--	--	0.00	0.00	0.25	0.00	
MW-26A	9/24/2008	--	--	0.00	0.00	0.25	0.00	
MW-26A	9/26/2008	37.33	--	0.00	0.00	0.25	0.00	

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Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-26A	9/30/2008	37.24	--	0.00	0.00	0.25	0.00	
MW-26A	10/1/2008	--	--	0.00	0.00	0.25	0.00	
MW-26A	10/2/2008	37.63	--	0.00	0.00	0.25	0.00	
MW-26A	10/3/2008	38.43	--	0.00	0.00	0.25	0.00	
MW-26A	10/14/2008	37.32	--	0.00	0.00	0.25	0.00	Brown water
MW-26A	10/17/2008	37.62	--	0.00	0.00	0.25	0.00	
MW-26A	10/21/2008	37.74	--	0.00	0.00	0.25	0.00	
MW-26A	10/24/2008	38.27	--	0.00	0.00	0.25	0.00	
MW-26A	10/27/2008	38.43	--	0.00	0.00	0.25	0.00	
MW-26A	11/21/2008	37.75	--	0.00	0.00	0.25	0.00	
MW-26A	11/25/2008	37.84	--	0.00	0.00	0.25	0.00	
MW-26A	12/2/2008	37.58	--	0.00	0.00	0.25	0.00	
MW-26A	12/4/2008	38.19	--	0.00	0.00	0.25	0.00	
MW-26A	12/9/2008	38.47	--	0.00	0.00	0.25	0.00	
MW-26A	12/18/2008	37.29	--	0.00	0.00	0.25	0.00	
MW-26A	12/30/2008	36.09	--	0.00	0.00	0.25	0.00	Clear water/ tan at bottom
MW-26A	1/2/2009	35.86	--	0.00	0.00	0.25	0.00	Light brown to clear water
MW-26A	1/7/2009	35.43	--	0.00	0.00	0.25	0.00	
MW-26A	1/14/2009	35.25	--	0.00	0.00	0.25	0.00	Cloudy water
MW-26A	1/20/2009	35.36	--	0.00	0.00	0.25	0.00	Clear water
MW-26A	1/23/2009	38.59	--	0.00	0.00	0.25	0.00	Clear water/light brown
MW-26A	1/26/2009	35.40	--	0.00	0.00	0.25	0.00	Grey water
MW-26A	1/27/009	35.85	--	0.00	0.00	0.25	0.00	Clear water
MW-26A	1/28/2009	35.61	--	0.00	0.00	0.25	0.00	
MW-26A	2/5/2009	35.65	--	0.00	0.00	0.25	0.00	Clear water
MW-26A	3/3/2009	33.08	--	0.00	0.00	0.25	0.00	Clear water
MW-26A	3/11/2009	33.00	34.36	0.00	0.00	0.25	0.00	
MW-26A	3/17/2009	33.28	34.81	0.00	0.00	0.25	0.00	
MW-26A	3/25/2009	31.97	34.56	0.00	0.00	0.50	0.00	
MW-26A	3/31/2009	33.49	34.83	0.00	0.00	0.25	0.00	
MW-26A	4/20/2009	37.51	38.86	0.00	0.00	0.25	0.00	
MW-26A	4/29/2009	36.79	37.54	0.00	0.00	0.25	0.00	
MW-26A	5/6/2009	36.78	NM	0.00	0.00	0.25	0.00	
MW-26A	5/11/2009	35.54	37.24	0.00	0.00	0.25	0.00	Clear water
MW-26A	5/20/2009	36.39	37.07	0.00	0.00	0.26	0.00	Clear water
MW-26A	5/27/2009	36.45	37.13	0.00	0.00	0.25	0.00	
MW-26A	6/15/2009	35.90	36.40	0.00	0.00	0.25	0.00	
MW-26A	6/24/2009	35.81	37.96	0.00	0.00	0.25	0.00	
MW-26A	6/30/2009	35.56	37.71	0.00	0.00	0.25	0.00	
MW-26A	7/31/2009	33.23	34.54	0.00	0.00	0.25	0.00	
MW-26A	8/13/2009	33.14	34.93	0.00	0.00	0.25	0.00	Clear water
MW-26A	8/26/2009	33.14	34.45	0.00	0.00	0.25	0.00	Clear water
MW-26A	10/2/2009	0.39	32.07	0.00	0.00	0.25	0.00	

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-26A	10/6/2009	31.61	33.21	0.00	0.00	0.25	0.00	
MW-26A	12/18/2009	29.98	31.41	0.00	0.00	0.25	0.00	Clear water
MW-26A	1/26/2010	35.36	NM	0.00	0.00	0.00	0.00	
MW-26A	2/3/2010	35.01	NM	0.00	0.00	0.00	0.00	
MW-26A	3/1/2010	34.85	NM	0.00	0.00	0.00	0.00	
MW-26A	8/3/2010	22.39	23.81	0.00	0.00	0.25	0.00	
MW-26A	8/10/2010	23.38	24.77	0.00	0.00	0.25	0.00	
MW-26A	7/13/2011	NM	--	0.00	0.00	0.08	0.00	
MW-26A	8/24/2011	NM	--	0.00	0.00	0.25	0.00	
MW-26A	10/6/2011	30.66	--	0.00	0.00	0.25	0.00	
MW-26A	4/16/2014	--	--	0.50	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	12/31/2014	--	--	0.50	0.00	0.00	0.00	Bottom at 42.24'
MW-26A	3/4/2015	--	--	0.70	0.00	0.00	0.00	Bottom at 41.85'
MW-26A	5/19/2015	--	--	0.60	0.00	0.00	0.00	Bottom at 41.85'
MW-26A	1/6/2016	--	--	0.50	0.00	0.00	0.00	Bottom at 41.85'
MW-26A	2/19/2016	--	--	0.60	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	6/22/2016	--	--	0.50	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	9/9/2016	--	--	0.70	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	10/21/2016	--	--	0.70	0.00	0.00	0.00	Bottom at 42.30'
MW-26A	12/2/2016	--	--	0.60	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	2/24/2017	--	--	0.50	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	4/21/2017	--	--	0.60	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	7/18/2017	--	--	0.55	0.00	0.00	0.00	Bottom at 41.90'
MW-26A	10/20/2017	--	--	0.70	0.00	0.00	0.00	Bottom at 42.25'
MW-26A	2/27/2018	--	--	0.70	0.00	0.00	0.00	Bottom at 42.25'
MW-26A	5/18/2018	--	--	0.50	0.00	0.00	0.00	Bottom at 42.25'
MW-26A	6/14/2018	--	--	--	0.06	0.44	0.06	Bail
MW-26A	8/10/2018	--	--	0.10	0.00	0.00	0.06	Bottom at 42.25'
MW-26A	11/19/2018	--	--	0.05	0.00	0.00	0.06	Bottom at 42.25'
MW-26A	3/15/2019	--	--	0.05	0.00	0.00	0.06	Bottom at 42.25'
MW-26A	6/14/2019	--	--	0.10	0.00	0.00	0.06	Bottom at 43.90'
MW-26A	9/20/2019	--	--	0.10	0.00	0.00	0.06	Bottom at 42.00'
MW-27A	3/5/2008	--	--	--	--	--	--	Not Measured
MW-27A	4/10/2008	--	--	--	--	--	--	Not Measured
MW-27A	9/4/2008	--	--	0.80	3.00	49.50	3.00	
MW-27A	9/5/2008	--	--	4.40	2.00	0.50	5.00	
MW-27A	9/5/2008	--	--	1.50	0.25	0.50	5.25	
MW-27A	9/5/2008	--	--	1.00	0.20	0.80	5.45	
MW-27A	9/5/2008	--	--	1.50	0.25	0.75	5.70	
MW-27A	9/5/2008	--	--	1.00	0.15	0.60	5.85	
MW-27A	9/8/2008	--	--	3.58	2.50	0.40	8.35	
MW-27A	9/9/2008	--	--	1.00	0.10	0.15	8.45	

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Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-27A	9/10/2008	--	--	4.50	0.35	0.15	8.80	
MW-27A	9/16/2008	--	--	2.70	0.25	0.00	9.05	
MW-27A	9/18/2008	--	--	3.00	1.25	1.25	10.30	
MW-27A	9/24/2008	--	--	4.00	0.30	0.00	10.60	
MW-27A	9/24/2008	--	--	2.60	1.50	0.75	12.10	
MW-27A	9/26/2008	--	--	3.50	1.10	0.65	13.20	
MW-27A	9/26/2008	--	--	1.00	0.20	0.80	13.40	
MW-27A	9/30/2008	--	--	3.10	1.00	1.00	14.40	2.5' up rope from the bailer (~5.5' from the bottom of well), there was a 6" cresote DNAPL staining on bailer on the rope.
MW-27A	9/30/2008	--	--	1.00	0.25	0.75	14.65	Bailer valve noted as malfunctioning; sticking due to DNAPL build-up. Bailed twice this day.
MW-27A	10/1/2008	--	--	4.00	0.25	0.00	14.90	
MW-27A	10/2/2008	--	--	3.50	0.70	1.40	15.60	Bailed twice this day.
MW-27A	10/2/2008	--	--	0.50	0.10	0.40	15.70	
MW-27A	10/3/2008	--	--	1.50	0.50	0.75	16.20	Bailed twice this day. Took 4 bailers with a trace of DNAPL in all. Not sure if was making it to the bottom of well or not.
MW-27A	10/3/2008	--	--	0.50	0.05	0.65	16.25	
MW-27A	10/14/2008	--	--	2.50	1.00	1.50	17.25	Bailed 3 times this day.
MW-27A	10/14/2008	--	--	0.10	0.05	0.40	17.30	
MW-27A	10/17/2008	--	--	2.80	2.10	0.40	19.40	
MW-27A	10/17/2008	--	--	1.20	0.15	0.60	19.55	Bailed twice this day
MW-27A	10/17/2008	--	--	0.60	0.10	0.40	19.65	
MW-27A	10/21/2008	--	--	3.00	2.00	1.25	21.65	
MW-27A	10/21/2008	--	--	1.00	0.15	0.50	21.80	
MW-27A	10/24/2008	--	--	1.00	0.15	1.35	21.95	
MW-27A	10/27/2008	8.05	--	1.20	0.10	0.15	22.05	
MW-27A	11/21/2008	--	--	2.80	2.00	1.00	24.05	
MW-27A	11/25/2008	--	--	2.00	0.50	1.50	24.55	Bailed twice this day
MW-27A	12/2/2008	--	--	2.50	0.60	0.90	25.15	
MW-27A	12/2/2008	--	--	0.15	0.05	0.74	25.20	
MW-27A	12/4/2008	--	--	1.00	0.15	0.85	25.35	
MW-27A	12/9/2008	--	--	3.00	0.40	1.10	25.75	
MW-27A	12/18/2008	--	--	3.00	0.50	1.00	26.25	Bailed twice this day
MW-27A	12/30/2008	--	--	2.80	0.50	0.75	26.75	
MW-27A	12/30/2008	--	--	1.50	0.15	0.85	26.90	
MW-27A	1/2/2009	6.83	--	3.00	2.00	1.00	28.90	
MW-27A	1/7/2009	--	--	2.90	0.60	0.90	29.50	
MW-27A	1/14/2009	--	--	2.50	1.50	0.50	31.00	
MW-27A	1/20/2009	--	--	3.50	1.00	0.75	32.00	
MW-27A	1/20/2009	--	--	3.00	0.45	0.30	32.45	DNAPL thickness greater than 3.0'
MW-27A	1/23/2009	--	--	2.00	0.20	0.80	32.65	DNAPL thickness greater than 3.0'
MW-27A	1/26/2009	--	--	3.00	2.00	0.50	34.65	DNAPL present
MW-27A	1/27/2009	--	--	3.00	2.75	0.75	37.40	DNAPL present. Bailed twice this day.

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DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-27A	1/28/2009	--	--	2.00	0.25	1.25	37.65	
MW-27A	2/5/2009	--	--	1.30	3.00		40.65	DNAPL present. Bailed twice this day.
MW-27A	3/3/2009	7.34	--	6.00	2.50	1.00	43.15	
MW-27A	3/11/2009	6.34	7.42	2.80	1.20	1.30	44.35	DNAPL present
MW-27A	3/11/2009	--	--	1.00	0.13	1.37	44.48	
MW-27A	3/17/2009	7.77	7.84	3.00	0.55	1.95	45.03	
MW-27A	3/25/2009	6.83	6.84	3.00	0.75	0.80	45.78	
MW-27A	3/31/2009	6.39	6.95	3.00	1.85	1.15	47.63	
MW-27A	4/20/2009	6.73	7.25	2.80	0.75	1.50	48.38	
MW-27A	4/29/2009	7.05	7.05	3.00	1.50	1.50	49.88	
MW-27A	5/6/2009	7.00	7.06	3.00	1.50	1.75	51.38	
MW-27A	5/6/2009	NM	NM	3.00	0.75	1.00	52.13	
MW-27A	5/6/2009	NM	NM	0.80	0.20	0.80	52.33	
MW-27A	5/11/2009	6.95	6.95	3.00	1.25	2.00	53.58	
MW-27A	5/20/2009	6.64	6.70	2.50	1.25	3.75	54.83	
MW-27A	5/27/2009	7.26	7.30	1.20	0.15	1.10	54.98	
MW-27A	5/27/2009	NM	NM	2.00	0.15	0.85	55.13	
MW-27A	6/15/2009	6.82	6.85	0.10	0.25	1.00	55.38	
MW-27A	6/24/2009	6.48	6.61	1.50	0.40	1.10	55.78	
MW-27A	6/30/2009	6.71	6.93	2.50	0.85	1.90	56.63	
MW-27A	7/31/2009	7.73	10.04	3.00	2.00	1.25	58.63	
MW-27A	8/13/2009	7.67	8.27	3.00	2.20	0.80	60.83	
MW-27A	8/26/2009	8.24	8.22	0.10	1.25	1.50	62.08	
MW-27A	10/2/2009	7.02	7.02	2.50	0.75	1.75	62.83	
MW-27A	10/6/2009	7.39	7.48	1.50	1.55	1.45	64.38	
MW-27A	12/18/2009	7.53	7.81	5.50	2.15	1.10	66.53	
MW-27A	12/21/2009	7.39	7.57	1.50	0.55	0.95	67.08	
MW-27A	1/4/2010	8.01	9.23	0.67	1.97	2.53	69.05	
MW-27A	1/6/2010	8.12	8.31	2.50	0.88	1.37	69.93	
MW-27A	1/11/2010	8.20	8.92	3.00	1.05	1.20	70.98	
MW-27A	1/18/2010	8.02	8.73	5.00	1.93	1.32	72.91	DNAPL staining present on bailer
MW-27A	1/25/2010	7.23	7.49	9.50	1.35	1.15	74.26	DNAPL staining present on bailer
MW-27A	2/2/2010	7.94	9.87	11.00	1.69	1.56	75.95	
MW-27A	2/2/2010	7.94	9.08	5.00	0.70	1.55	76.65	
MW-27A	2/4/2010	7.98	8.97	8.00	1.09	1.16	77.74	
MW-27A	2/4/2010	7.97	8.50	3.00	0.18	1.57	77.92	
MW-27A	2/5/2010	7.81	9.07	5.00	0.69	1.81	78.61	
MW-27A	2/22/2010	7.12	8.31	11.00	1.45	1.80	80.06	
MW-27A	3/2/2010	7.88	9.09	10.00	1.43	2.07	81.49	
MW-27A	3/2/2010	7.93	9.17	2.00	0.23	1.02	81.72	
MW-27A	3/4/2010	7.91	NM	9.00	1.23	2.02	82.95	
MW-27A	3/4/2010	8.53	11.32	1.00	0.14	1.11	83.09	
MW-27A	3/8/2010	7.98	9.18	9.50	1.20	0.80	84.29	

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CSX Transportation
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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-27A	3/11/2010	7.96	9.27	8.00	1.05	1.20	85.34	
MW-27A	3/24/2010	7.29	6.70	7.75	0.90	1.35	86.24	
MW-27A	4/16/2010	7.51	8.63	11.00	1.24	0.51	87.48	
MW-27A	4/26/2010	7.11	7.32	4.00	0.27	0.73	87.75	
MW-27A	5/5/2010	7.46	7.54	0.00	0.00	0.50	87.75	DNAPL Globules and coarse sand presnet in bailer
MW-27A	6/1/2010	7.93	8.32	0.00	0.00	0.25	87.75	
MW-27A	6/9/2010	7.78	7.87	0.00	0.00	0.25	87.75	
MW-27A	8/3/2010	8.39	--	0.00	--	NB	87.75	Measured for DNAPL with tape
MW-27A	8/10/2010	8.43	--	0.00	--	NB	87.75	Measured for DNAPL with tape
MW-27A	8/17/2010	8.62	--	0.00	--	NB	87.75	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-27A	8/23/2010	8.37	--	0.40	--	NB	87.75	Bottom at 26.35' (to sand); Measured for DNAPL with tape
MW-27A	8/30/2010	8.49	--	0.00	--	NB	87.75	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-27A	9/17/2010	8.47	--	0.00	--	NB	87.75	Sand at 26.31'; Measured for DNAPL with tape
MW-27A	2/18/2011	7.92	--	2.29	--	NB	87.75	Measured for DNAPL with tape
MW-27A	2/22/2011	6.90	--	0.50	0.13	0.38	87.88	Sand at 24.75'
MW-27A	4/19/2011	6.63	--	1.50	--	NB	87.88	Sand at 25.50'
MW-27A	6/27/2011	6.88	--	2.10	--	NB	87.88	Sand in well
MW-27A	6/5/2012	--	--	0.50	--	NB	87.88	Bottom at 25.75'; sand in well.
*Abandoned April 2013, Replaced with RW-17								
MW-29B	2/19/2009	--	--	2.00	0.25	1.00	0.25	Neon green water from tracer study, DNAPL present
MW-29B	3/3/2009	14.22	--	0.50	0.08	0.67	0.33	Neon green water from tracer study, DNAPL present
MW-29B	3/11/2009	10.86	15.33	0.25	0.08	0.92	0.41	
MW-29B	3/17/2009	10.10	14.06	0.30	0.10	0.90	0.51	
MW-29B	3/25/2009	10.79	17.94	0.50	0.05	1.00	0.56	Neon green water from tracer study
MW-29B	3/31/2009	10.83	15.34	0.80	0.10	0.65	0.66	
MW-29B	4/20/2009	6.44	11.44	0.01	0.00	0.75	0.66	Neon green water from tracer study
MW-29B	4/29/2009	10.08	14.56	0.10	0.00	0.75	0.66	
MW-29B	5/6/2009	11.08	15.45	0.00	0.00	0.25	0.66	
MW-29B	5/11/2009	11.53	13.06	0.00	0.00	0.25	0.66	DNAPL staining on bailer
MW-29B	5/20/2009	10.48	11.98	0.01	0.01	0.24	0.67	Yellow water from tracer study
MW-29B	5/27/2009	10.96	12.29	0.01	0.01	0.24	0.68	Neon green water from tracer study
MW-29B	6/15/2009	10.84	12.17	0.00	0.00	0.25	0.68	Neon green water from tracer study
MW-29B	6/24/2009	10.43	13.48	0.12	0.03	0.47	0.71	
MW-29B	6/30/2009	10.49	12.28	0.05	0.01	0.24	0.72	
MW-29B	7/31/2009	8.84	10.47	0.00	0.00	0.25	0.72	DNAPL staining on bailer
MW-29B	8/13/2009	10.89	15.51	0.30	0.04	0.71	0.76	
MW-29B	8/26/2009	9.67	11.20	0.01	0.00	0.25	0.76	Yellow water from tracer study
MW-29B	10/2/2009	7.93	9.45	0.10	0.01	0.24	0.77	0.3' dk. Grey water, yellow water from tracer study
MW-29B	10/6/2009	8.08	9.62	0.00	0.00	0.25	0.77	DNAPL on bottom of bailer

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MW-29B	12/18/2009	18.30	20.04	0.00	0.00	0.25	0.77	DNAPL staining on bailer
MW-29B	12/28/2009	NM	NM	0.25	0.06	0.18	0.83	
MW-29B	1/26/2010	11.31	18.77	0.20	0.10	1.15	0.93	
MW-29B	2/3/2010	10.45	12.87	0.00	0.00	0.25	0.93	DNAPL staining on bailer
MW-29B	2/22/2010	8.22	13.80	0.25	0.03	0.97	0.96	
MW-29B	3/8/2010	9.18	10.93	0.10	0.01	0.49	0.97	
MW-29B	4/16/2010	10.56	18.72	0.10	0.02	0.73	0.99	
MW-29B	6/1/2010	11.58	14.60	0.25	0.02	0.48	1.01	
MW-29B	7/6/2010	10.83	13.96	0.16	0.02	0.48	1.03	
MW-29B	8/3/2010	10.09	11.61	0.00	0.00	0.25	1.03	
MW-29B	8/10/2010	9.82	11.77	0.00	0.00	0.25	1.03	
MW-29B	8/30/2010	9.45	--	0.00	--	NB	1.03	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-29B	2/22/2011	8.32	--	0.00	--	NB	1.03	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-29B	3/4/2011	7.85	--	0.01	0.01	0.24	1.04	
MW-29B	3/28/2011	9.95	--	0.75	0.15	0.60	1.19	
MW-29B	4/4/2011	10.80	--	0.90	0.01	0.50	1.20	
MW-29B	4/12/2011	10.76	--	0.80	0.10	0.40	1.30	
MW-29B	4/19/2011	11.05	--	0.90	0.01	0.07	1.31	0.7' DNAPL staining on bailer on outside of bailer; Bottom at 37.05'
MW-29B	4/25/2011	10.36	--	0.50	0.06	0.44	1.37	
MW-29B	5/9/2011	10.36	--	0.30	0.01	0.25	1.38	
MW-29B	5/18/2011	11.07	--	0.20	0.00	0.25	1.38	Bottom at 36.96'
MW-29B	6/6/2011	11.18	--	0.90	--	NB	1.38	Bottom at 36.99'; Measured for DNAPL with tape
MW-29B	6/7/2011	11.17	--	0.90	0.04	0.21	1.42	
MW-29B	6/20/2011	10.62	--	0.20	0.01	0.24	1.43	
MW-29B	6/27/2011	11.99	--	0.50	0.05	0.45	1.48	
MW-29B	7/8/2011	--	--	0.20	0.02	0.23	1.50	
MW-29B	7/13/2011	10.49	--	0.30	0.02	0.48	1.52	
MW-29B	7/18/2011	10.65	--	0.10	0.00	0.25	1.52	
MW-29B	7/25/2011	10.52	--	0.20	0.00	0.25	1.53	
MW-29B	8/5/2011	18.20	--	0.01	0.00	0.25	1.53	Trace amount of DNAPL
MW-29B	8/15/2011	9.99	--	0.20	0.00	0.25	1.53	
MW-29B	8/24/2011	9.55	--	0.20	0.00	0.25	1.53	
MW-29B	9/6/2011	9.37	--	0.20	0.00	0.25	1.53	
MW-29B	9/12/2011	9.63	--	0.20	0.00	0.25	1.54	
MW-29B	9/19/2011	9.32	--	0.00	0.00	0.25	1.54	DNAPL staining on bailer
MW-29B	10/6/2011	9.62	--	0.00	0.00	0.25	1.54	Trace amount of DNAPL; green water
MW-29B	10/19/2011	8.93	--	0.20	0.00	0.25	1.54	
MW-29B	10/24/2011	8.60	--	0.10	0.00	0.25	1.54	
MW-29B	11/8/2011	7.77	--	0.00	0.00	0.25	1.54	Slight DNAPL staining on bailer, sheen
MW-29B	6/5/2012	--	--	1.30	--	NB	1.54	Bottom at 36.90, need to resurvey.
MW-29B	11/14/2012	--	--	1.50	--	NB	1.54	
MW-29B	1/9/2013	--	--	1.30	--	NB	1.54	Bottom at 36.55'

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MW-29B	4/18/2013	--	--	2.00	--	NB	1.54	
MW-29B	8/23/2013	--	--	3.80	--	NB	1.54	Bottom at 37.80', 5' of sediment in well
MW-29B	10/11/2013	--	--	--	2.93	27.07	4.47	Air Lift, Bottom at 41.05'
MW-29B	11/25/2013	--	--	0.00	--	NB	4.47	Bottom at 39.90', soft
MW-29B	4/16/2014	--	--	2.00	0.00	0.00	4.47	Bottom at 39.7'
MW-29B	12/29/2014	--	--	1.80	0.00	0.00	4.47	Bottom at 40.40'
MW-29B	3/4/2015	--	--	2.10	0.00	0.00	4.47	Bottom at 40.40'
MW-29B	5/19/2015	--	--	2.40	0.00	0.00	4.47	Bottom at 40.40'
MW-29B	7/13/2015	--	--	2.40	0.00	0.00	4.47	
MW-29B	1/6/2016	--	--	3.25	0.00	0.00	4.47	Bottom at 39.30'
MW-29B	2/10/2016	--	--	3.60	0.00	0.00	4.47	Bottom at 39.40'
MW-29B	6/22/2016	--	--	4.30	0.00	0.00	4.47	Bottom at 39.30'
MW-29B	6/29/2016	--	--	--	0.60	0.65	5.07	Bail
MW-29B	9/9/2016	--	--	0.60	0.00	0.00	5.07	Bottom at 39.40'
MW-29B	10/21/2016	--	--	0.90	0.00	0.00	5.07	Bottom at 39.85'
MW-29B	12/2/2016	--	--	1.10	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	2/24/2017	--	--	1.00	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	4/21/2017	--	--	1.10	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	7/21/2017	--	--	1.90	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	10/20/2017	--	--	2.80	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	2/27/2018	--	--	3.90	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	5/18/2018	--	--	5.20	0.00	0.00	5.07	Bottom at 39.90'
MW-29B	6/14/2018	--	--	--	0.96	0.29	6.03	Bail
MW-29B	8/10/2018	--	--	0.70	0.00	0.00	6.03	Bottom at 39.90'
MW-29B	11/19/2018	--	--	1.10	0.00	0.00	6.03	Bottom at 39.90'
MW-29B	3/15/2019	--	--	1.10	0.00	0.00	6.03	Bottom at 39.90'
MW-29B	6/12/2019	--	--	--	0.30	0.45	6.33	Bail
MW-29B	6/14/2019	--	--	0.40	0.00	0.00	6.33	Bottom at 40.00'
MW-29B	9/20/2019	--	--	0.40	0.0000	0.0000	6.33	Bottom at 40.00'
MW-36B	9/23/2010	--	--	0.20	0.02	0.23	0.02	
MW-36B	9/24/2010	19.31	--	0.20	0.02	0.23	0.04	
MW-36B	10/1/2010	19.28	--	0.33	0.03	0.22	0.07	
MW-36B	10/5/2010	19.28	20.85	0.40	0.04	0.21	0.11	
MW-36B	10/12/2010	19.29	20.26	0.40	0.04	0.21	0.15	
MW-36B	10/18/2010	19.24	20.24	0.40	0.04	0.21	0.19	
MW-36B	10/29/2010	18.26	--	0.40	--	NB	0.19	Measured for DNAPL with tape
MW-36B	12/10/2010	18.98	--	1.00	0.09	0.41	0.28	
MW-36B	12/28/2010	19.00	--	1.25	0.04	0.71	0.32	
MW-36B	1/3/2011	18.07	--	0.40	0.04	0.46	0.36	
MW-36B	1/10/2011	18.95	--	0.20	0.02	0.48	0.38	
MW-36B	1/17/2011	19.01	--	0.15	0.01	0.24	0.39	
MW-36B	1/28/2011	--	--	0.20	--	NB	0.39	Measured for DNAPL with tape

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-36B	2/18/2011	18.89	--	0.51	--	NB	0.39	Measured for DNAPL with tape
MW-36B	2/22/2011	15.74	--	0.40	0.185	0.07	0.58	
MW-36B	3/4/2011	17.64	--	0.10	0.01	0.24	0.59	
MW-36B	3/18/2011	18.23	--	0.60	0.05	0.45	0.64	
MW-36B	3/28/2011	18.75	--	0.01	0.00	0.25	0.64	
MW-36B	4/4/2011	16.35	--	0.01	0.00	0.25	0.64	
MW-36B	4/12/2011	15.00	--	0.00	0.00	0.25	0.64	DNAPL staining on bailer
MW-36B	4/19/2011	11.42	--	0.01	0.01	0.07	0.65	Bottom at 36.80'
MW-36B	5/9/2011	17.81	--	0.05	0.01	0.24	0.66	
MW-36B	5/18/2011	18.28	--	0.00	--	NB	0.66	Bottom at 36.82'; Measured for DNAPL with tape
MW-36B	6/6/2011	18.91	--	0.30	--	NB	0.66	Bottom at 36.78'; Measured for DNAPL with tape
MW-36B	6/7/2011	18.84	--	0.20	0.02	0.23	0.68	
MW-36B	6/15/2011	18.79		0.10	0.01	0.24	0.69	
MW-36B	6/20/2011	18.03	--	0.30	0.01	0.24	0.70	
MW-36B	6/27/2011	15.80	--	0.20	0.01	0.24	0.71	
MW-36B	7/8/2011	18.90	--	0.10	0.01	0.24	0.72	Flouresents present in well due to tracer study
MW-36B	7/11/2011	18.99	--	0.50	0.04	0.46	0.76	
MW-36B	7/13/2011	19.07	--	0.20	0.00	0.49	0.76	
MW-36B	7/18/2011	19.12	--	0.30	0.01	0.24	0.77	
MW-36B	7/25/2011	18.87	--	0.30	0.00	0.25	0.77	
MW-36B	8/5/2011	19.30	--	0.10	0.01	0.25	0.78	
MW-36B	8/15/2011	19.15	--	0.50	0.01	0.49	0.79	
MW-36B	8/24/2011	19.10	--	0.40	0.01	0.24	0.80	
MW-36B	9/6/2011	19.39	--	0.40	0.01	0.24	0.81	
MW-36B	9/12/2011	19.31	--	0.20	0.00	0.25	0.82	
MW-36B	9/19/2011	18.56	--	0.20	0.08	0.17	0.90	
MW-36B	10/6/2011	19.16	--	0.20	0.01	0.24	0.91	
MW-36B	6/5/2012	--	--	1.40	--	NB	0.91	Bottom at 36.99'
MW-36B	11/14/2012	--	--	2.00	--	NB	0.91	
MW-36B	4/18/2013	--	--	2.00	--	NB	0.91	
MW-36B	8/23/2013	--	--	2.00	--	NB	0.91	Bottom at 36.95'
MW-36B	4/16/2014	--	--	2.00	0.00	0.00	0.91	Bottom at 36.9'
MW-36B	12/29/2014	--	--	1.70	0.00	0.00	0.91	Bottom at 37.45'
MW-36B	3/4/2015	--	--	2.30	0.00	0.00	0.91	Bottom at 37.10'
MW-36B	5/19/2015	--	--	2.10	0.00	0.00	0.91	Bottom at 37.10'
MW-36B	1/6/2016	--	--	2.00	0.00	0.00	0.91	Bottom at 37.10'
MW-36B	2/19/2016	--	--	2.20	0.00	0.00	0.91	Bottom at 37.15'
MW-36B	6/22/2016	--	--	2.70	0.00	0.00	0.91	Bottom at 37.15'
MW-36B	6/29/2016	--	--	--	0.35	0.90	1.26	Bail
MW-36B	9/9/2016	--	--	0.80	0.00	0.00	1.26	Bottom at 37.15'
MW-36B	10/21/2016	--	--	1.30	0.00	0.00	1.26	Bottom at 37.15'
MW-36B	12/2/2016	--	--	2.30	0.00	0.00	1.26	Bottom at 37.15'

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MW-36B	2/24/2017	--	--	2.50	0.00	0.00	1.26	Bottom at 37.15'
MW-36B	4/21/2017	--	--	2.10	0.00	0.00	1.26	Bottom at 37.15'
MW-36B	7/18/2017	--	--	2.40	0.00	0.00	1.26	Bottom at 37.15'
MW-36B	10/20/2017	--	--	2.40	0.00	0.00	1.26	Bottom at 37.45'
MW-36B	2/27/2018	--	--	2.20	0.00	0.00	1.26	Bottom at 37.45'
MW-36B	5/18/2018	--	--	2.10	0.00	0.00	1.26	Bottom at 37.45'
MW-36B	6/14/2018	--	--	--	0.38	0.38	1.64	Bail
MW-36B	8/10/2018	--	--	2.10	0.00	0.00	1.64	Bottom at 37.45'
MW-36B	11/19/2018	--	--	2.40	0.00	0.00	1.64	Bottom at 37.45'
MW-36B	3/15/2019	--	--	2.20	0.00	0.00	1.64	Bottom at 37.45'
MW-36B	6/12/2019	--	--	--	0.33	0.68	1.96	Bail
MW-36B	6/14/2019	--	--	1.90	0.00	0.00	1.96	Bottom at 37.20'
MW-36B	9/20/2019	--	--	2.80	0.00	0.00	1.96	Bottom at 37.20'
MW-36C	4/29/2010	49.48	NM	0.25	0.04	0.71	0.04	
MW-36C	5/11/2010	48.22	49.49	0.33	0.03	0.47	0.07	
MW-36C	6/1/2010	44.88	50.12	0.33	0.03	0.47	0.10	
MW-36C	6/9/2010	43.44	49.56	0.17	0.01	0.49	0.11	2" DNAPL staining on bailer
MW-36C	6/24/2010	43.66	48.73	0.33	0.01	0.49	0.12	
MW-36C	7/6/2010	39.65	44.13	0.25	0.02	0.48	0.14	
MW-36C	7/13/2010	39.13	43.92	0.25	0.02	0.48	0.16	
MW-36C	7/20/2010	38.62	41.12	0.08	0.01	0.24	0.17	
MW-36C	8/3/2010	34.97	37.42	0.20	0.02	0.48	0.19	
MW-36C	8/10/2010	35.45	36.70	0.01	0.00	0.25	0.19	
MW-36C	8/17/2010	35.21	--	0.00	--	NB	0.19	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-36C	8/23/2010	33.53	--	1.00	--	NB	0.19	Bottom at 63.50'; Measured for DNAPL with tape
MW-36C	8/30/2010	32.09	--	0.00	--	NB	0.19	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
MW-36C	9/17/2010	29.14	31.81	0.25	0.02	0.48	0.21	
MW-36C	9/24/2010	38.68	--	0.20	0.02	0.23	0.23	
MW-36C	10/1/2010	37.66	38.95	0.00	0.00	0.25	0.23	DNAPL staining on bailer
MW-36C	10/5/2010	37.69	39.00	0.00	0.00	0.25	0.23	DNAPL staining on bailer
MW-36C	10/12/2010	36.74	--	0.00	0.00	0.25	0.23	DNAPL staining on bailer; bottom at 63.58'
MW-36C	10/18/2010	36.31	--	0.00	0.00	0.25	0.23	DNAPL staining on bailer
MW-36C	10/29/2010	34.40	--	0.00	--	NB	0.23	Measured for DNAPL with tape
MW-36C	12/10/2010	25.85	--	0.00	--	NB	0.23	Measured for DNAPL with tape
MW-36C	12/28/2010	32.97	--	0.20	0.01	0.24	0.24	
MW-36C	1/3/2011	18.07	--	0.10	0.01	0.24	0.25	
MW-36C	1/10/2011	32.24	--	0.00	0.01	0.24	0.26	
MW-36C	1/17/2011	31.77	--	0.00	0.00	0.25	0.26	DNAPL globules present in bailer
MW-36C	1/28/2011	--	--	0.00	--	NB	0.26	Measured for DNAPL with tape
MW-36C	2/18/2011	25.95	--	0.78	--	NB	0.26	Measured for DNAPL with tape

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MW-36C	2/22/2011	25.33	--	0.14	0.01	0.24	0.27	
MW-36C	3/4/2011	24.73	--	0.00	0.00	0.25	0.27	DNAPL staining on bailer
MW-36C	3/18/2011	31.42	--	0.00	0.01	0.24	0.28	
MW-36C	3/28/2011	32.35	--	0.00	0.00	0.25	0.28	
MW-36C	4/4/2011	29.83	--	0.00	0.00	0.25	0.28	DNAPL staining on bailer
MW-36C	4/12/2011	29.19	--	0.00	0.00	0.25	0.28	DNAPL staining on bailer
MW-36C	4/19/2011	28.79	--	0.00	--	NB	0.28	Bottom at 63.04'; Measured for DNAPL with tape
MW-36C	5/9/2011	24.76	--	0.15	0.01	0.24	0.29	
MW-36C	5/18/2011	25.93	--	0.00	--	NB	0.29	Measured for DNAPL with tape
MW-36C	6/6/2011	23.28	--	0.00	--	NB	0.29	Measured for DNAPL with tape
MW-36C	6/7/2011	22.15	--	0.00	0.00	0.25	0.29	
MW-36C	6/15/2011	21.04	--	0.00	--	NB	0.29	Measured for DNAPL with tape
MW-36C	6/20/2011	22.75	--	0.00	0.00	0.25	0.29	
MW-36C	6/27/2011	27.03	--	0.00	0.00	0.50	0.29	DNAPL staining on bailer
MW-36C	7/8/2011	26.85	--	0.00	0.00	0.25	0.29	DNAPL staining on bailer
MW-36C	7/11/2011	28.08	--	0.00	0.00	0.25	0.29	
MW-36C	7/18/2011	28.20	--	0.00	0.00	0.25	0.29	DNAPL staining on bailer
MW-36C	7/25/2011	29.09	--	0.00	0.00	0.25	0.29	DNAPL staining on bailer
MW-36C	8/5/2011	28.42	--	0.00	0.00	0.25	0.29	Trace amount of DNAPL in bailer
MW-36C	8/24/2011	26.51	--	0.20	0.00	0.08	0.29	0.08gal bailer used
MW-36C	10/6/2011	28.15	--	0.00	0.00	0.25	0.29	Trace amount of DNAPL in bailer
MW-36C	6/5/2012	--	--	0.50	--	NB	0.29	Bottom at 63.35'
MW-36C	11/14/2012	--	--	0.50	--	NB	0.29	
MW-36C	4/18/2013	--	--	0.00	--	NB	0.29	Globs
MW-36C	8/23/2013	--	--	0.00	--	NB	0.29	Bottom at 63.25'
MW-36C	4/16/2014	--	--	0.40	0.00	0.00	0.29	Bottom at 63.35'
MW-36C	12/31/2014	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.68'
MW-36C	3/4/2015	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.35'
MW-36C	5/19/2015	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.40'
MW-36C	1/6/2016	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.45'
MW-36C	2/19/2016	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.45'
MW-36C	6/22/2016	--	--	0.00	0.00	0.00	0.29	Trace on probe; bottom at 63.45'
MW-36C	9/9/2016	--	--	0.00	0.00	0.00	0.29	Bottom at 64.00'
MW-36C	10/21/2016	--	--	0.00	0.00	0.00	0.29	Bottom at 63.45'
MW-36C	12/2/2016	--	--	0.00	0.00	0.00	0.29	Bottom at 64.50'
MW-36C	2/24/2017	--	--	0.20	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	4/21/2017	--	--	0.20	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	7/18/2017	--	--	0.05	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	10/20/2017	--	--	0.05	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	2/27/2018	--	--	0.20	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	5/18/2018	--	--	0.40	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	8/10/2018	--	--	0.00	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	11/19/2018	--	--	0.40	0.00	0.00	0.29	Bottom at 63.50'

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-36C	3/15/2019	--	--	0.50	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	6/14/2019	--	--	0.50	0.00	0.00	0.29	Bottom at 63.50'
MW-36C	9/20/2019	--	--	0.60	0.00	0.00	0.29	Bottom at 63.40'
MW-37C	10/6/2011	NM	--	0.00	0.00	0.25	0.00	No odor, silty
MW-37C	10/10/2011	NM	--	0.00	0.00	0.25	0.00	Odor
MW-37C	10/19/2011	NM	--	0.00	0.00	0.25	0.00	Odor, silty
MW-37C	10/24/2011	26.75	--	0.00	0.00	0.25	0.00	Odor, silty
MW-37C	11/8/2011	NM	--	0.00	0.00	0.25	0.00	Odor, silty
MW-37C	4/16/2014	--	--	0.00	0.00	0.00	0.00	Trace product on bottom 1-2' of probe. Bottom at 48.9'
MW-37C	12/29/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 49.30'
MW-37C	3/4/2015	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	1/6/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.05'
MW-37C	2/19/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	6/22/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	7/18/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	10/20/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	2/27/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	5/18/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	8/10/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	11/19/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	3/15/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	6/14/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-37C	9/20/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 49.00'
MW-39A	4/14/2010	31.75	NM	2.00	0.25	1.00	0.25	
MW-39A	4/21/2010	35.03	37.60	0.50	0.10	0.15	0.35	
MW-39A	5/11/2010	30.59	35.67	3.33	0.57	0.68	0.92	
MW-39A	6/1/2010	28.78	35.78	3.25	0.66	0.84	1.58	
MW-39A	6/9/2010	29.19	35.91	2.00	0.21	0.79	1.79	
MW-39A	6/24/2010	30.35	36.01	3.50	0.59	0.66	2.38	
MW-39A	7/6/2010	28.22	34.61	3.00	0.29	0.46	2.67	
MW-39A	7/13/2010	27.97	35.01	3.00	0.33	0.67	3.00	
MW-39A	7/20/2010	25.73	34.01	3.00	0.38	0.62	3.38	
MW-39A	8/3/2010	25.69	28.19	1.00	0.09	0.41	3.47	
MW-39A	8/10/2010	24.07	29.16	1.50	0.29	0.96	3.76	
MW-39A	8/17/2010	26.81	--	1.25	--	NB	3.76	Recovery Program Temporarily Suspended; Measured for DNAPL with tape

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-39A	8/23/2010	23.25	--	2.50	--	NB	3.76	Bottom at 37.75'; Measured for DNAPL with tape
MW-39A	9/17/2010	15.62	20.32	2.70	0.53	0.72	4.29	
MW-39A	10/1/2010	23.13	--	3.25	0.51	0.74	4.80	
MW-39A	10/5/2010	25.35	31.12	2.25	0.58	0.92	5.38	
MW-39A	10/12/2010	27.95	--	3.40	0.63	0.62	6.01	
MW-39A	10/18/2010	28.04	--	3.00	0.65	0.85	6.66	
MW-39A	10/29/2010	27.95	--	3.50	--	NB	6.66	Bottom at 37.75'; Measured for DNAPL with tape
MW-39A	12/28/2010	15.95	--	3.50	0.55	0.70	7.21	
MW-39A	1/17/2011	9.50	--	4.25	0.43	0.57	7.64	
MW-39A	1/28/2011	--	--	2.00	--	NB	7.64	Measured for DNAPL with tape
MW-39A	3/18/2011	13.75	--	4.25	0.58	0.42	8.22	
MW-39A	4/4/2011	11.97	--	0.30	0.20	0.30	8.42	
MW-39A	4/12/2011	11.53	--	1.50	0.25	0.25	8.67	
MW-39A	4/19/2011	13.52	--	2.50	0.31	0.44	8.98	Bottom at 37.45'
MW-39A	5/9/2011	13.45	--	2.70	0.41	0.34	9.39	
MW-39A	5/16/2011	15.94	--	1.50	0.15	0.60	9.54	
MW-39A	6/16/2011	--	--	2.20	0.34	0.41	9.88	
MW-39A	6/20/2011	6.56	--	2.00	0.21	0.54	10.09	
MW-39A	6/27/2011	13.69	--	0.40	0.01	0.24	10.10	
MW-39A	7/8/2011	10.00	--	0.30	0.04	0.21	10.14	
MW-39A	7/11/2011	12.81	--	0.40	0.02	0.49	10.15	
MW-39A	7/13/2011	15.40	--	0.40	0.05	0.45	10.20	
MW-39A	7/18/2011	17.17	--	0.70	0.08	0.43	10.28	
MW-39A	7/25/2011	18.18	--	0.90	0.11	0.64	10.39	
MW-39A	8/5/2011	19.38	--	1.20	0.80	1.20	11.19	
MW-39A	8/15/2011	20.06	--	2.00	0.14	0.61	11.33	
MW-39A	8/24/2011	19.92	--	1.20	0.13	0.63	11.45	
MW-39A	9/6/2011	18.31	--	1.30	0.28	0.23	11.73	
MW-39A	9/12/2011	19.64	--	1.00	0.21	0.54	11.94	
MW-39A	9/19/2011	NM	--	--	--	--	11.94	Location underwater
MW-39A	10/10/2011	23.92	--	1.40	0.20	0.55	12.14	
MW-39A	10/19/2011	16.88	--	0.40	0.08	0.43	12.22	
MW-39A	10/24/2011	15.37	--	0.30	0.11	0.39	12.32	
MW-39A	11/8/2011	15.05	--	0.08	0.01	0.24	12.34	
MW-39A	6/5/2012	--	--	0.50	--	NB	12.34	Bottom at 37.60'
MW-39A	11/14/2012	--	--	0.50	--	NB	12.34	
MW-39A	4/18/2013	--	--	0.60	--	NB	12.34	
MW-39A	8/23/2013	--	--	0.50	--	NB	12.34	Bottom at 37.50'
MW-39A	4/16/2014	--	--	0.50	0.00	0.00	12.34	Bottom at 37.5'
MW-39A	12/29/2014	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	3/4/2015	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	5/19/2015	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	1/6/2016	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'

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ARCADIS Design & Consultancy for natural and built assets

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CSX Transportation
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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-39A	2/19/2016	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	6/22/2016	--	--	0.60	0.00	0.00	12.34	Bottom at 37.75'
MW-39A	9/9/2016	--	--	0.00	0.00	0.00	12.34	Bottom at 37.15'
MW-39A	10/21/2016	--	--	0.60	0.00	0.00	12.34	Bottom at 37.80'
MW-39A	12/1/2016	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	2/24/2017	--	--	0.50	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	4/21/2017	--	--	0.50	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	7/18/2017	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	10/20/2017	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	2/27/2018	--	--	0.60	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	5/18/2018	--	--	0.50	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	8/10/2018	--	--	0.10	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	11/10/2018	--	--	0.50	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	3/15/2019	--	--	0.00	0.00	0.00	12.34	Bottom at 37.70'
MW-39A	6/14/2019	--	--	0.70	0.00	0.00	12.34	Bottom at 37.60'
MW-39A	9/20/2019	--	--	0.00	0.00	0.00	12.34	Bottom at 37.80'
MW-48A	1/11/2011	47.75	--	2.25	0.19	0.06	0.19	
MW-48A	1/12/2011	--	--	1.00	0.08	0.17	0.27	
MW-48A	4/18/2011	23.65	33.80	3.80	0.68	1.07	0.95	Bottom at 71.05'
MW-48A	4/18/2011	33.70	38.00	1.00	0.10	0.65	1.05	
MW-48A	4/18/2011	37.85	40.70	0.00	0.00	0.50	1.05	
MW-48A	4/18/2011	40.30	41.50	0.00	0.00	0.25	1.05	
MW-48A	4/18/2011	41.30	42.60	0.00	0.00	0.25	1.05	Bailed five times this day
MW-48A	4/19/2011	38.60	44.40	1.50	0.20	0.80	1.25	
MW-48A	4/19/2011	44.05	45.45	0.20	0.02	0.23	1.27	
MW-48A	4/19/2011	45.00	46.15	0.10	0.01	0.24	1.28	
MW-48A	4/19/2011	45.80	47.00	0.10	0.01	0.24	1.29	Bailed four times this day
MW-48A	4/20/2011	42.70	46.95	0.50	0.07	0.68	1.36	
MW-48A	4/20/2011	46.45	49.05	0.10	0.02	0.48	1.38	
MW-48A	4/20/2011	48.55	49.70	0.00	0.00	0.25	1.38	Bailed three times this day
MW-48A	4/21/2011	45.40	48.30	1.00	0.09	0.41	1.47	
MW-48A	4/25/2011	38.12	--	3.25	0.50	1.00	1.97	
MW-48A	4/26/2011	43.70	--	1.60	0.26	1.24	2.23	
MW-48A	4/27/2011	46.95	--	1.30	0.17	0.83	2.40	
MW-48A	4/29/2011	43.62	--	2.20	0.38	0.87	2.78	
MW-48A	5/4/2011	34.95	--	2.70	0.45	1.30	3.23	
MW-48A	5/9/2011	34.10	--	3.50	0.57	1.18	3.80	
MW-48A	5/10/2011	39.79	--	1.00	0.11	0.64	3.91	
MW-48A	5/11/2011	41.43	--	1.00	0.11	0.64	4.02	
MW-48A	5/12/2011	41.90	--	0.80	0.12	1.13	4.14	
MW-48A	5/13/2011	45.53	--	0.80	0.13	1.12	4.27	
MW-48A	5/16/2011	38.92	--	1.50	0.23	0.77	4.50	

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MW-48A	5/19/2011	35.59	--	2.10	0.53	0.22	5.03	
MW-48A	5/24/2011	30.71	--	1.50	0.23	0.77	5.26	
MW-48A	5/31/2011	29.71	--	1.80	0.28	0.72	5.54	
MW-48A	6/2/2011	31.99	--	0.60	0.10	0.90	5.64	
MW-48A	6/7/2011	30.58	--	1.70	0.21	0.79	5.85	
MW-48A	6/9/2011	--	--	0.75	0.14	0.86	5.99	
MW-48A	6/14/2011	30.99	--	0.75	0.15	1.10	6.14	
MW-48A	6/15/2011	35.88	--	1.00	0.15	0.85	6.29	
MW-48A	6/16/2011	39.05	--	0.40	0.07	0.93	6.36	
MW-48A	6/20/2011	34.74	--	3.00	0.28	0.72	6.64	Bailed twice this day
MW-48A	6/20/2011	39.65	--	0.50	0.03	0.47	6.67	
MW-48A	6/21/2011	40.28	--	0.50	0.07	0.93	6.74	Bailed twice this day
MW-48A	6/21/2011	51.84	--	0.30	0.03	0.47	6.77	
MW-48A	6/22/2011	54.10	--	0.40	0.03	0.47	6.80	
MW-48A	6/23/2011	47.79	--	1.00	0.11	0.89	6.91	
MW-48A	6/24/2011	47.58	--	0.10	0.01	0.49	6.92	
MW-48A	6/27/2011	38.55	--	1.70	0.17	0.83	7.09	Bailed twice this day
MW-48A	6/27/2011	--	--	0.00	0.00	0.25	7.09	
MW-48A	6/28/2011	41.45	--	2.30	0.33	0.67	7.42	Bailed twice this day
MW-48A	6/28/2011	--	--	0.50	0.03	0.22	7.45	
MW-48A	6/29/2011	45.60	--	1.50	0.20	1.05	7.65	
MW-48A	6/30/2011	46.84	--	0.85	0.11	0.89	7.76	
MW-48A	7/1/2011	47.49	--	0.90	0.07	0.68	7.83	Bailed twice this day
MW-48A	7/1/2011	50.85	--	0.20	0.01	0.49	7.84	Last time to bail well, per home owner
MW-48A	9/26/2011	33.10	--	4.10	0.74	0.76	8.58	Bottom at 71.10'
MW-48A	7/13/2015	--	--	12.00	0.00	0.00	8.58	
MW-48A	7/16/2015	--	--	--	3.25	1.75	11.83	Bailed out all DNAPL in well
MW-48A	7/17/2015	--	--	0.00	0.00	0.00	11.83	
MW-48A	9/9/2016	--	--	16.55	0.00	0.00	11.83	Bottom at 72.74'
MW-48A	10/21/2016	--	--	12.50	0.00	0.00	11.83	Bottom at 72.15'
MW-48A	12/2/2016	--	--	18.50	0.00	0.00	11.83	Bottom at 71.50'
MW-48A	2/24/2017	--	--	18.60	0.00	0.00	11.83	Bottom at 71.50'
MW-48A	4/21/2017	--	--	18.80	0.00	0.00	11.83	Bottom at 71.50'
MW-48A	7/18/2017	--	--	17.00	0.00	0.00	11.83	Bottom at 71.50'
MW-48A	10/20/2017	--	--	20.20	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	2/27/2018	--	--	15.20	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	5/18/2018	--	--	12.40	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	8/10/2018	--	--	15.20	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	11/19/2018	--	--	13.70	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	3/15/2019	--	--	11.10	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	6/14/2019	--	--	12.20	0.00	0.00	11.83	Bottom at 72.00'
MW-48A	9/20/2019	--	--	10.30	0.00	0.00	11.83	Bottom at 72.00'

Notes:
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NM = not measured.

Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-51A	8/17/2011	14.94	--	2.50	0.38	0.62	0.38	
MW-51A	8/18/2011	11.05	--	2.70	0.85	0.90	1.23	
MW-51A	8/24/2011	10.64	--	3.25	0.75	0.50	1.98	
MW-51A	8/29/2011	10.82	--	NM	3.45	1.55	5.43	
MW-51A	9/6/2011	10.90	--	2.80	1.25	0.75	6.68	
MW-51A	9/12/2011	10.92	--	4.0	0.88	0.63	7.56	
MW-51A	9/19/2011	10.59	--	2.5	0.99	0.51	8.54	
MW-51A	10/6/2011	10.60	--	8.0	2.813	0.187	11.36	Took over an hour to bail
MW-51A	10/10/2011	10.65	--	5.0	2.05	0.45	13.41	
MW-51A	10/14/2011	10.33	--	7.5	1.78	0.23	15.18	
MW-51A	10/17/2011	10.51	--	7.2	1.89	0.36	17.07	
MW-51A	10/19/2011	10.03	--	8.0	1.68	0.33	18.74	
MW-51A	10/24/2011	10.04	--	7.5	1.40	0.85	20.14	
MW-51A	10/28/2011	9.70	--	9.6	3.65	0.35	23.79	DNAPL Recovery Test preformed; See separate 51A spreadsheet.
MW-51A	10/31/2011	9.88	--	8.7	9.10	8.15	32.89	TD = 59.40' An accumulation test was preformed this day. Removal(gal.) are total throughout day. See separate 51A spreadsheet.
MW-51A	11/3/2011	12.56	--	11.7	3.92	0.08	36.81	TD = 59.30'
MW-51A	11/4/2011	9.99	--	12.6	0.00	0.00	36.81	Did not bail
MW-51A	11/7/2011	10.18	--	12.0	4.80	3.20	41.61	TD = 59.44'; Used pump to recover DNAPL. Pump stopped working, DNAPL thickness went up to 20.0'
MW-51A	11/8/2011	20.40	--	24.1	2.25	0.50	43.86	TD = 59.45'
MW-51A	11/9/2011	11.33	--	23.9	4.25	0.00	48.11	Bailed product down to 15'
MW-51A	6/5/2012	--	--	10.8	--	NB	48.11	Bottom at 58.42', need to resurvey.
MW-51A	7/31/2012	--	--	10.0	9.00	0.00	57.11	
MW-51A	8/1/2012	--	--	18.0	5.00	0.00	62.11	
MW-51A	8/23/2012	--	--	10.3	7.25	9.21	69.36	
MW-51A	8/24/2012	--	--	19.3	4.75	4.77	74.11	
MW-51A	8/27/2012	--	--	12.5	7.50	6.67	81.61	
MW-51A	8/28/2012	--	--	31.0	--	NB	81.61	
MW-51A	8/29/2012	--	--	29.0	9.73	0.00	91.34	
MW-51A	8/30/2012	--	--	31.0	7.25	0.22	98.59	
MW-51A	8/31/2012	--	--	32.0	9.76	0.00	108.35	
MW-51A	9/4/2012	--	--	32.0	9.24	0.00	117.59	
MW-51A	9/10/2012	--	--	32.0	9.75	0.50	127.34	
MW-51A	9/11/2012	--	--	36.0	9.75	0.00	137.09	
MW-51A	9/12/2012	--	--	33.0	9.25	0.00	146.34	
MW-51A	9/13/2012	--	--	33.0	7.13	0.00	153.47	
MW-51A	9/14/2012	--	--	12.0	1.50	4.81	154.97	
MW-51A	9/17/2012	--	--	13.5	--	NB	154.97	
MW-51A	9/18/2012	--	--	13.5	4.44	1.70	159.41	
MW-51A	9/27/2012	--	--	14.5	4.44	5.10	163.85	
MW-51A	10/2/2012	--	--	29.5	4.44	3.57	168.29	

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-51A	10/11/2012	--	--	27.5	5.00	2.96	173.29	
MW-51A	10/15/2012	--	--	--	4.44	3.51	177.73	
MW-51A	10/22/2012	--	--	--	4.44	4.49	182.17	
MW-51A	10/29/2012	--	--	--	5.50	2.35	187.67	
MW-51A	11/5/2012	--	--	29.0	5.53	3.31	193.20	
MW-51A	11/19/2012	--	--	--	5.54	3.97	198.74	
MW-51A	12/3/2012	--	--	--	5.28	0.00	204.02	
MW-51A	4/18/2013	--	--	8.2	0.00	NB	204.02	
MW-51A	8/23/2013	--	--	3.0	0.00	NB	204.02	Bottom at 56.85'; 2' of sediment in well
MW-51A	4/16/2014	--	--	4.0	0.00	0.00	204.02	Bottom at 56.75'
MW-51A	12/29/2014	--	--	3.5	0.00	0.00	204.02	Bottom at 57.10'
MW-51A	3/4/2015	--	--	4.3	0.00	0.00	204.02	Bottom at 57.10'
MW-51A	5/19/2015	--	--	3.5	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	1/6/2016	--	--	5.0	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	2/19/2016	--	--	5.5	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	6/22/2016	--	--	3.8	0.00	0.00	204.02	Bottom at 58.00'
MW-51A	9/9/2016	--	--	2.0	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	10/21/2016	--	--	2.1	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	12/2/2016	--	--	2.1	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	2/24/2017	--	--	2.9	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	4/21/2017	--	--	2.1	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	7/18/2017	--	--	3.3	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	10/20/2017	--	--	1.0	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	2/27/2018	--	--	1.8	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	5/18/2018	--	--	1.7	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	8/10/2018	--	--	0.9	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	11/19/2018	--	--	2.0	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	3/15/2019	--	--	1.2	0.00	0.00	204.02	Bottom at 57.00'
MW-51A	6/14/2019	--	--	2.4	0.00	0.00	204.02	Bottom at 56.50'
MW-51A	9/20/2019	--	--	1.60	0.00	0.00	204.02	Bottom at 56.50'
MW-54A	5/2/2012	--	--	1.50	--	NB	0.00	
MW-54A	6/5/2012	--	--	2.70	--	NB	0.00	
MW-54A	11/14/2012	--	--	4.00	--	NB	0.00	
MW-54A	4/18/2013	--	--	4.50	--	NB	0.00	
MW-54A	8/23/2013	--	--	3.70	--	NB	0.00	Bottom at 44.78'
MW-54A	4/16/2014	--	--	4.25	0.00	0.00	0.00	Bottom at 44.7'
MW-54A	4/25/2014	--	--	--	0.90	2.46	0.90	
MW-54A	4/29/2014	--	--	--	0.89	2.25	1.79	
MW-54A	8/14/2014	--	--	--	0.50	4.48	2.29	
MW-54A	8/29/2014	--	--	--	0.26	2.45	2.55	
MW-54A	9/5/2014	--	--	--	0.26	1.53	2.81	
MW-54A	9/12/2014	--	--	--	0.26	1.01	3.07	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
MW-54A	10/17/2014	--	--	--	0.26	1.44	3.33	
MW-54A	10/24/2014	--	--	--	0.23	1.43	3.56	
MW-54A	12/31/2014	--	--	--	0.00	0.00	3.56	Unable to measure DNAPL thickness due to airlift assembly
MW-54A	3/4/2015	--	--	--	0.00	0.00	3.56	Unable to measure DNAPL thickness due to airlift assembly
MW-54A	3/27/2015	--	--	--	0.60	2.89	4.16	
MW-54A	4/3/2015	--	--	--	0.08	1.62	4.24	
MW-54A	4/10/2015	--	--	--	0.08	1.27	4.32	
MW-54A	4/17/2015	--	--	--	0.07	1.65	4.39	
MW-54A	4/24/2015	--	--	--	0.07	1.26	4.46	
MW-54A	5/19/2015	--	--	0*	0.00	0.00	4.46	Trace DNAPL on probe. Bottom at 30.10' (could not reach bottom)
MW-54A	6/5/2015	--	--	0*	0.00	0.00	4.46	
MW-54A	7/13/2015	--	--	0*	0.00	0.00	4.46	
MW-54A	9/28/2015	--	--	0*	0.00	0.00	4.46	Bottom at 30.60 (Cannot access bottom of well)
MW-54A	1/6/2016	--	--	1.40	0.00	0.00	4.46	Bottom at 45.20'
MW-54A	2/19/2016	--	--	1.50	0.00	0.00	4.46	Bottom at 44.90'
MW-54A	3/25/2016	--	--	--	0.80	1.54	5.26	
MW-54A	4/1/2016	--	--	--	0.03	1.21	5.29	
MW-54A	4/8/2016	--	--	--	0.03	1.80	5.32	
MW-54A	5/11/2016	--	--	--	0.02	2.44	5.34	
MW-54A	5/20/2016	--	--	--	0.02	1.50	5.36	
MW-54A	6/22/2016	--	--	0.20	0.00	0.00	5.36	Bottom at 45.80'
MW-54A	9/9/2016	--	--	0.00	0.00	0.00	5.36	Bottom at 44.90'
MW-54A	10/21/2016	--	--	0.00	0.00	0.00	5.36	Bottom at 28.00'; could not reach bottom
MW-54A	12/2/2016	--	--	0.70	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	2/24/2017	--	--	1.10	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	4/21/2017	--	--	1.50	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	7/18/2017	--	--	2.20	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	10/20/2017	--	--	2.20	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	2/27/2018	--	--	2.30	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	5/18/2018	--	--	1.40	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	8/10/2018	--	--	0.90	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	11/19/2018	--	--	2.50	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	3/15/2019	--	--	1.80	0.00	0.00	5.36	Bottom at 45.15'
MW-54A	5/31/2019	--	--	--	1.00	2.12	6.36	
MW-54A	6/14/2019	--	--	0.80	0.46	1.77	6.82	Bottom at 45.30'
MW-54A	9/20/2019	--	--	0.60	0.00	0.00	6.82	Bottom at 45.30'
RW-1	12/28/2009	4.61	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-1	1/6/2010	5.39	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-1	1/11/2010	5.48	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-1	1/18/2010	5.41	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-1	1/25/2010	4.07	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-1	2/1/2010	5.33	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-1	2/22/2010	4.40	4.56	0.20	0.20	0.98	0.20	
RW-1	3/8/2010	5.24	5.30	0.05	0.01	0.24	0.21	DNAPL staining on bailer
RW-1	3/11/2010	5.24	5.38	0.25	0.04	0.71	0.25	
RW-1	4/16/2010	5.23	6.30	0.33	0.18	3.32	0.43	
RW-1	4/26/2010	3.62	4.31	0.20	0.11	3.39	0.54	
RW-1	5/5/2010	4.56	5.38	0.15	0.09	3.41	0.63	
RW-1	5/11/2010	4.18	4.96	0.50	0.40	4.85	1.03	
RW-1	6/1/2010	5.12	6.35	0.05	0.19	5.06	1.22	
RW-1	6/9/2010	4.98	6.12	0.10	0.25	5.00	1.47	
RW-1	6/24/2010	5.13	6.11	0.20	0.18	5.07	1.65	
RW-1	7/6/2010	5.74	6.57	1.00	0.84	4.41	2.49	
RW-1	7/13/2010	5.89	6.51	1.00	0.68	4.57	3.17	
RW-1	7/20/2010	5.34	5.91	1.25	1.05	4.20	4.22	
RW-1	8/3/2010	6.02	7.78	0.50	0.54	8.21	4.76	
RW-1	8/10/2010	6.17	6.98	0.01	0.11	3.39	4.87	
RW-1	8/17/2010	7.31	--	0.00	--	NB	4.87	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-1	8/23/2010	6.08	--	0.50	--	NB	4.87	Bottom at 42.35'; Measured for DNAPL with tape
RW-1	8/30/2010	6.39	--	1.00	--	NB	4.87	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-1	9/17/2010	6.33	--	0.50	--	NB	4.87	Bottom at 42.55'; Measred for DNAPL with tape
RW-1	9/24/2010	6.57	--	1.40	--	NB	4.87	Bottom at 43.60'; Measured for DNAPL with tape
RW-1	10/1/2010	6.80	--	1.00	--	NB	4.87	Bottom at 42.80'; Measured for DNAPL with tape
RW-1	10/5/2010	6.62	--	1.25	--	NB	4.87	Bottom at 42.91'; Measured for DNAPL with tape
RW-1	10/12/2010	6.87	--	1.50	--	NB	4.87	Bottom at 42.96'; Measured for DNAPL with tape
RW-1	10/18/2010	6.78	--	1.50	--	NB	4.87	Bottom at 43.32'; Measured for DNAPL with tape
RW-1	12/10/2010	5.55	--	2.25	0.17	2.83	5.04	Bottom at 43.67'
RW-1	12/28/2010	5.50	--	1.00	--	NB	5.04	Bottom at 43.63'; Measured for DNAPL with tape
RW-1	1/3/2011	4.98	--	2.10	--	NB	5.04	Bottom at 43.70'; Measured for DNAPL with tape
RW-1	1/10/2011	5.52	--	1.50	--	NB	5.04	Measured for DNAPL with tape
RW-1	1/17/2011	5.58	--	0.80	--	NB	5.04	Bottom at 43.55'; Measured for DNAPL with tape
RW-1	1/28/2011	--	--	1.25	--	NB	5.04	Measured for DNAPL with tape
RW-1	2/18/2011	5.38	--	1.22	--	NB	5.04	Measured for DNAPL with tape
RW-1	2/22/2011	3.93	--	1.50	0.10	1.90	5.14	
RW-1	3/4/2011	4.41	--	0.05	--	NB	5.14	Measured for DNAPL with tape
RW-1	3/18/2011	4.97	--	0.65	--	NB	5.14	Bottom at 42.25'; Measured for DNAPL with tape
RW-1	3/28/2011	5.32	--	0.00	0.00	0.25	5.14	Bottom at 43.55'
RW-1	4/4/2011	4.48	--	0.00	0.00	0.25	5.14	
RW-1	4/12/2011	3.78	--	0.45	0.10	0.40	5.24	Bottom at 42.21'
RW-1	4/19/2011	3.74	--	0.60	0.01	0.07	5.25	Bottom at 42.07'
RW-1	4/25/2011	3.48	--	0.50	--	NB	5.25	Bottom at 42.15'; Measured for DNAPL with tape
RW-1	5/9/2011	5.50	--	0.50	0.10	0.90	5.35	Bottom at 42.11'
RW-1	5/18/2011	4.93	--	0.10	0.00	0.25	5.35	Bottom at 42.2'

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RW-1	6/6/2011	5.38	--	0.00	--	NB	5.35	Bottom at 42.05'; Measured for DNAPL with tape
RW-1	6/15/2011	4.52	--	0.00	--	NB	5.35	Bottom at 41.95'; Measured for DNAPL with tape
RW-1	6/20/2011	4.58	--	0.60	0.01	0.99	5.36	Bottom at 42.05'
RW-1	6/27/2011	3.90	--	0.80	0.01	0.99	5.37	Bottom at 42.05'
RW-1	6/28/2011	4.45	--	0.70	--	NB	5.37	Measured for DNAPL with tape
RW-1	7/11/2011	5.65	--	0.60	0.01	0.99	5.38	Bottom at 41.96'
RW-1	7/13/2011	5.71	--	0.80	0.25	1.75	5.63	Bottom at 42.0'
RW-1	7/18/2011	5.94	--	0.50	0.03	0.97	5.66	Bottom at 42.0'
RW-1	7/25/2011	5.68	--	0.30	0.01	0.99	5.67	Bottom at 42.0'
RW-1	8/5/2011	6.92	--	0.00	0.00	1.00	5.67	Trace amount of DNAPL
RW-1	8/15/2011	5.86	--	0.00	0.01	0.99	5.68	Bottom at 42.1'
RW-1	8/24/2011	5.94	--	0.00	0.00	1.00	5.68	Bottom at 42.08'
RW-1	9/6/2011	6.36	--	0.30	--	NB	5.68	Bottom at 42.01'
RW-1	9/12/2011	6.40	--	0.00	--	NB	5.68	Bottom at 42.10'
RW-1	9/19/2011	5.78	--	0.00	--	NB	5.68	Bottom at 42.15'
RW-1	10/6/2011	5.52	--	0.40	--	NB	5.68	Bottom at 42.01'
RW-1	10/10/2011	5.93	--	0.40	--	NB	5.68	Bottom at 42.01'
RW-1	10/14/2011	5.54	--	0.40	0.01	0.99	5.69	Bottom at 42.01'
RW-1	10/19/2011	5.39	--	0.40	0.01	0.99	5.70	
RW-1	10/24/2011	5.23	--	0.30	0.01	0.99	5.71	
RW-1	11/8/2011	5.31	--	0.04	--	NB	5.71	
RW-1	6/5/2012	--	--	0.75	--	NB	5.71	Bottom at 42.15'
RW-1	11/14/2012	--	--	0.75	--	NB	5.71	
RW-1	1/9/2013	--	--	0.60	--	NB	5.71	Bottom at 41.95'
RW-1	4/18/2013	--	--	0.80	--	NB	5.71	
RW-1	8/23/2013	--	--	1.00	--	NB	5.71	5' of sediment in well; Bottom at 42.10'
RW-1	10/11/2013	--	--	--	6.00	14.20	11.71	Air lifted sediment; TD at 46.39'
RW-1	11/25/2013	--	--	0.08	--	NB	11.71	Bottom at 44.25', soft
RW-1	4/16/2014	--	--	0.10	0.00	0.00	11.71	Bottom at 46.3'
RW-1	12/29/2014	--	--	0.00	0.00	0.00	11.71	Trace on probe; bottom at 46.30'
RW-1	3/4/2015	--	--	0.00	0.00	0.00	11.71	Trace on probe; bottom at 46.30'
RW-1	5/19/2015	--	--	0.10	0.00	0.00	11.71	Bottom at 46.15'
RW-1	7/13/2015	--	--	0.10	0.00	0.00	11.71	
RW-1	1/6/2016	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	2/19/2016	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	6/22/2016	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	9/9/2016	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	10/21/2016	--	--	0.10	0.00	0.00	11.71	Bottom at 44.50'
RW-1	12/2/2016	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	2/24/2017	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	4/21/2017	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	7/21/2017	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	10/20/2017	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-1	2/27/2018	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	5/18/2018	--	--	0.10	0.00	0.00	11.71	Bottom at 44.40'
RW-1	8/10/2018	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	11/19/2018	--	--	1.10	0.00	0.00	11.71	Bottom at 44.40'
RW-1	3/15/2019	--	--	0.00	0.00	0.00	11.71	Bottom at 44.40'
RW-1	6/14/2019	--	--	1.10	0.00	0.00	11.71	Bottom at 44.50'
RW-1	9/20/2019	--	--	0.70	0.00	0.00	11.71	Bottom at 44.20'
RW-2	12/28/2009	4.39	--	5.00	--	NB	--	Used weighted tape to gauge for DNAPL; obstruction at top of sump; did not bail
RW-2	1/6/2010	4.59	--	4.90	--	NB	--	Obstruction at top of sump; Bottom at 40.65'; did not bail; Measured for DNAPL with tape
RW-2	1/11/2010	4.68	--	4.90	--	NB	--	Obstruction at top of sump; Bottom at 40.65'; did not bail; Measured for DNAPL with tape
RW-2	1/18/2010	4.90	--	4.90	--	NB	--	Obstruction at top of sump; Bottom at 40.65'; did not bail; Measured for DNAPL with tape
RW-2	1/25/2010	3.83	--	4.00	--	NB	--	Obstruction at 41.91'; did not bail; Measured for DNAPL with tape
RW-2	2/1/2010	4.46		4.00	--	NB	--	Obstruction at 41.94'; did not bail; Measured for DNAPL with tape
RW-2	2/2/2010	4.51	4.53	0.50	0.02	0.98	0.02	Obstruction at 41.94'
RW-2	2/2/2010	4.52	4.53	0.50	0.02	0.98	0.04	Obstruction at 41.94'
RW-2	2/3/2010	4.50	4.51	0.50	0.01	0.74	0.05	Obstruction at 41.94'
RW-2	2/4/2010	4.57	4.58	0.20	0.01	0.74	0.06	Obstruction at 41.94'
RW-2	2/4/2010	4.59	4.60	0.20	0.01	0.74	0.07	Obstruction at 41.94'
RW-2	2/5/2010	4.43	4.44	0.20	0.01	0.74	0.08	Obstruction at 41.94'
RW-2	2/22/2010	3.71	3.71	0.20	0.01	0.74	0.09	2" well inserted
RW-2	3/2/2010	4.10	4.12	0.20	0.02	0.98	0.11	
RW-2	3/4/2010	4.21	4.21	0.01	0.01	0.24	0.12	DNAPL staining on bailer
RW-2	3/8/2010	5.02	5.04	0.05	0.01	0.49	0.13	DNAPL staining on bailer
RW-2	3/11/2010	4.60	4.82	0.00	0.00	0.50	0.13	DNAPL staining on bailer
RW-2	4/16/2010	4.45	4.45	0.00	0.00	0.50	0.13	
RW-2	4/26/2010	3.80	3.87	0.00	0.00	0.25	0.13	DNAPL globules present in bailer
RW-2	5/5/2010	4.15	4.19	0.00	0.00	0.25	0.13	DNAPL globules present in bailer
RW-2	6/1/2010	4.53	4.55	1.00	0.10	0.65	0.23	
RW-2	6/9/2010	4.31	4.34	1.00	0.10	0.65	0.33	
RW-2	6/24/2010	4.44	4.45	0.75	0.08	0.67	0.41	
RW-2	7/6/2010	4.82	4.86	1.25	0.19	0.81	0.60	
RW-2	7/13/2010	4.97	5.00	1.50	0.23	0.77	0.83	
RW-2	7/20/2010	4.41	4.43	0.00	0.00	0.25	0.83	
RW-2	8/3/2010	5.02	5.18	0.00	0.00	0.25	0.83	
RW-2	8/10/2010	5.03	5.11	0.40	0.24	1.01	1.07	
RW-2	8/17/2010	5.27	--	0.50	0.00	NB	1.07	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-2	8/23/2010	4.96	--	1.50	0.00	NB	1.07	Bottom at 43.65'; Measured for DNAPL with tape

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-2	8/30/2010	5.09	--	1.50	0.00	NB	1.07	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-2	9/17/2010	5.08	--	2.50	0.00	NB	1.07	Bottom at 43.66'; Measured for DNAPL with tape
RW-2	9/24/2010	5.20	--	3.20	0.00	NB	1.07	Bottom at 43.81'; Measured for DNAPL with tape
RW-2	10/1/2010	5.35	--	3.60	0.00	NB	1.07	Bottom at 43.68'; Measured for DNAPL with tape
RW-2	10/5/2010	5.28	--	3.70	0.00	NB	1.07	Bottom at 43.85'; Measured for DNAPL with tape
RW-2	10/12/2010	5.36	--	4.30	0.50	0.75	1.57	
RW-2	10/18/2010	5.36	--	5.00	0.51	0.49	2.08	Bottom at 43.90'
RW-2	12/10/2010	4.65	--	5.00	0.45	0.55	2.53	
RW-2	12/28/2010	4.50	--	2.75	0.35	0.40	2.88	
RW-2	1/3/2011	4.05	--	1.00	0.12	0.63	3.00	
RW-2	1/10/2011	4.60	--	1.00	0.10	0.40	3.10	
RW-2	1/17/2011	4.69	--	0.15	0.03	0.72	3.13	
RW-2	1/28/2011	--	--	0.50	0.00	NB	3.13	Measured for DNAPL with tape
RW-2	2/18/2011	3.89	--	0.24	0.00	NB	3.13	Measured for DNAPL with tape
RW-2	2/22/2011	3.55	--	0.50	0.00	NB	3.13	Measured for DNAPL with tape
RW-2	3/4/2011	3.86	--	--	0.00	NB	3.13	Silt and sand at bottom of well
RW-2	3/18/2011	4.18	--	0.15	0.01	0.24	3.14	
RW-2	3/28/2011	3.85	--	0.00	0.00	0.25	3.14	Bottom at 43.40'
RW-2	4/4/2011	3.33	--	--	0.00	NB	3.14	Obstruction at 21.9'
RW-2	4/12/2011	3.55	--	--	0.00	NB	3.14	Obstruction at 21.89'
RW-2	4/19/2011	3.29	--	--	0.00	NB	3.14	Obstruction at 22.0'
RW-2	4/25/2011	2.99	--	--	0.00	NB	3.14	Did not bail, 2" well broken
RW-2	10/24/2011	4.51	--	0.00	0.05	0.95	3.19	Pulled out some of 2" well, still broken segments at the bottom; bottom at 32.96'
RW-2	6/5/2012	--	--	2.50	0.00	NB	3.19	Bottom at 40.40, PVC still in well.
RW-2	11/14/2012	--	--	6.50	0.00	NB	3.19	Removed PVC, Added 2" SS, Bottom at 43.00'
RW-2	4/18/2013	--	--	6.20	0.00	NB	3.19	
RW-2	7/3/2013	--	--	10.00	0.26	7.13	3.45	Air Lift Installed
RW-2	7/8/2013	--	--	--	0.24	5.01	3.69	
RW-2	7/12/2013	--	--	--	0.24	5.09	3.93	
RW-2	7/15/2013	--	--	--	0.24	5.06	4.17	
RW-2	7/19/2013	--	--	--	0.24	5.42	4.41	
RW-2	7/22/2013	--	--	--	0.24	5.11	4.65	
RW-2	7/26/2013	--	--	--	0.24	5.29	4.89	
RW-2	8/9/2013	--	--	--	0.31	2.99	5.20	
RW-2	8/16/2013	--	--	--	0.31	2.94	5.51	
RW-2	8/19/2013	--	--	--	0.31	2.12	5.82	
RW-2	8/23/2013	--	--	0.00	0.31	1.57	6.13	Probe stopped 6' from bottom
RW-2	8/26/2013	--	--	--	0.31	2.33	6.44	
RW-2	9/5/2013	--	--	--	0.31	1.97	6.75	
RW-2	9/9/2013	--	--	--	0.31	2.09	7.06	
RW-2	9/13/2013	--	--	--	0.31	2.48	7.37	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-2	9/16/2013	--	--	--	0.31	2.99	7.68	
RW-2	9/20/2013	--	--	--	0.31	0.40	7.99	
RW-2	9/23/2013	--	--	--	0.30	2.33	8.29	
RW-2	11/4/2013	--	--	--	0.43	1.30	8.72	
RW-2	11/12/2013	--	--	--	0.43	0.70	9.15	
RW-2	11/15/2013	--	--	--	0.42	0.63	9.57	
RW-2	11/18/2013	--	--	--	0.42	0.71	9.99	
RW-2	3/28/2014	--	--	--	0.25	0.69	10.24	
RW-2	4/1/2014	--	--	--	0.21	0.88	10.45	
RW-2	4/8/2014	--	--	--	0.21	0.78	10.66	
RW-2	4/11/2014	--	--	--	0.21	1.48	10.87	
RW-2	4/15/2014	--	--	--	0.21	0.65	11.08	
RW-2	4/16/2014	--	--	--	0.00	0.00	11.08	Unable to measure DNAPL thickness due to airlift assembly
RW-2	4/18/2014	--	--	--	0.20	1.60	11.28	
RW-2	4/29/2014	--	--	--	0.20	1.42	11.48	
RW-2	5/2/2014	--	--	--	0.20	1.41	11.68	
RW-2	5/6/2014	--	--	--	0.20	1.34	11.88	
RW-2	5/15/2014	--	--	--	0.20	1.44	12.08	
RW-2	5/19/2014	--	--	--	0.20	1.18	12.28	
RW-2	5/22/2014	--	--	--	0.20	0.70	12.48	
RW-2	5/27/2014	--	--	--	0.20	0.41	12.68	
RW-2	9/5/2014	--	--	--	2.50	3.05	15.18	
RW-2	9/12/2014	--	--	--	0.04	3.25	15.22	
RW-2	9/19/2014	--	--	--	0.03	2.33	15.25	
RW-2	9/25/2014	--	--	--	0.03	0.86	15.28	
RW-2	10/3/2014	--	--	--	0.03	1.45	15.31	
RW-2	10/10/2014	--	--	Globs	0.00	0.00	15.31	Bottom at 34.70'; did not reach TD
RW-2	10/17/2014	--	--	--	0.03	1.34	15.34	
RW-2	10/24/2014	--	--	--	0.03	1.02	15.37	
RW-2	12/31/2014	--	--	--	0.00	0.00	15.37	Unable to measure DNAPL thickness due to airlift assembly
RW-2	3/4/2015	--	--	--	0.00	0.00	15.37	Unable to measure DNAPL thickness due to airlift assembly
RW-2	4/3/2015	--	--	--	1.79	0.00	17.16	
RW-2	4/10/2015	--	--	--	0.00	2.27	17.16	
RW-2	4/17/2015	--	--	--	0.00	1.60	17.16	
RW-2	4/24/2015	--	--	--	0.00	1.38	17.16	
RW-2	5/19/2015	--	--	0.50	0.00	0.00	17.16	Bottom at 41.50'
RW-2	6/5/2015	--	--	0.25	0.00	0.00	17.16	
RW-2	7/13/2015	--	--	2.50	0.00	0.00	17.16	
RW-2	9/28/2015	--	--	4.50	0.00	0.00	17.16	Bottom at 42.30'
RW-2	1/6/2016	--	--	5.75	0.00	0.00	17.16	Bottom at 42.00'
RW-2	2/19/2016	--	--	7.10	0.00	0.00	17.16	Bottom at 43.25'
RW-2	3/18/2016	--	--	--	3.00	2.31	20.16	
RW-2	4/8/2016	--	--	--	0.50	2.00	20.66	
RW-2	5/20/2016	--	--	--	0.08	1.07	20.74	
RW-2	6/22/2016	--	--	0.80	0.00	0.00	20.74	Bottom at 43.40'
RW-2	9/9/2016	--	--	3.00	0.00	0.00	20.74	Bottom at 42.20'
RW-2	10/21/2016	--	--	3.50	0.00	0.00	20.74	Bottom at 42.50'

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RW-2	12/2/2016	--	--	4.50	0.00	0.00	20.74	Bottom at 42.50'
RW-2	2/24/2017	--	--	4.70	0.00	0.00	20.74	Bottom at 42.20'
RW-2	3/10/2017	--	--	--	2.00	0.86	22.74	
RW-2	3/24/2017	--	--	--	1.00	2.08	23.74	
RW-2	4/7/2017	--	--	--	0.40	2.72	24.14	
RW-2	4/21/2017	--	--	1.10	0.18	0.90	24.32	Bottom at 42.20'
RW-2	7/18/2017	--	--	3.60	0.00	0.00	24.32	Bottom at 42.20'
RW-2	10/20/2017	--	--	2.50	0.00	0.00	24.32	Bottom at 42.20'
RW-2	2/27/2018	--	--	4.40	0.00	0.00	24.32	Bottom at 42.20'
RW-2	5/18/2018	--	--	4.70	0.00	0.00	24.32	Bottom at 42.20'
RW-2	8/10/2018	--	--	4.70	0.00	0.00	24.32	Bottom at 42.20'
RW-2	11/19/2018	--	--	5.00	0.00	0.00	24.32	Bottom at 42.20'
RW-2	3/15/2019	--	--	4.80	0.00	0.00	24.32	Bottom at 42.20'
RW-2	6/14/2019	--	--	3.80	0.00	0.00	24.32	Bottom at 42.50'
RW-2	7/26/2019	--	--	--	2.00	1.39	26.32	
RW-2	9/20/2019	--	--	0.70	0.00	0.00	26.32	Bottom at 38.40'
RW-3	12/28/2009	4.79	--	2.00	0.00	NB	0.00	Used weighted tape to gauge for DNAPL; did not bail
RW-3	1/6/2010	4.99	--	2.00	0.00	NB	0.00	Did not bail; Measured for DNAPL with tape
RW-3	1/11/2010	5.09	--	2.00	0.00	NB	0.00	Did not bail; Measured for DNAPL with tape
RW-3	1/18/2010	4.78	--	2.00	0.00	NB	0.00	Did not bail; Measured for DNAPL with tape
RW-3	1/25/2010	4.22	--	2.00	0.00	NB	0.00	Did not bail; Measured for DNAPL with tape
RW-3	2/1/2010	4.85	--	2.00	0.00	NB	0.00	Did not bail; Measured for DNAPL with tape
RW-3	2/2/2010	4.91	4.93	1.00	0.02	0.98	0.02	
RW-3	2/2/2010	4.93	4.95	0.50	0.02	0.98	0.04	
RW-3	2/3/2010	4.95	4.96	0.50	0.02	0.98	0.06	
RW-3	2/4/2010	4.97	4.98	0.20	0.01	0.74	0.07	
RW-3	2/4/2010	4.97	5.03	0.20	0.01	0.99	0.08	
RW-3	2/5/2010	4.85	4.88	0.20	0.02	0.98	0.10	
RW-3	2/22/2010	4.45	4.46	0.50	0.06	0.94	0.16	
RW-3	3/2/2010	4.78	4.81	0.50	0.03	0.97	0.19	
RW-3	3/4/2010	5.01	5.04	0.20	0.04	0.96	0.23	
RW-3	3/8/2010	5.31	5.34	0.33	0.18	1.32	0.41	
RW-3	3/11/2010	4.98	5.03	1.00	0.36	1.89	0.77	
RW-3	4/16/2010	4.87	8.29	2.00	1.85	5.15	2.62	
RW-3	4/26/2010	4.16	4.23	1.25	0.84	4.41	3.46	
RW-3	5/5/2010	4.52	4.58	0.75	0.79	6.21	4.25	
RW-3	6/1/2010	4.88	6.02	2.50	3.50	7.00	7.75	
RW-3	6/9/2010	4.69	5.89	1.75	1.62	7.13	9.37	
RW-3	6/24/2010	4.83	6.39	2.75	3.61	8.64	12.98	
RW-3	7/6/2010	5.22	9.37	2.70	3.24	7.26	16.22	
RW-3	7/13/2010	5.34	9.82	2.50	2.98	5.77	19.20	
RW-3	7/20/2010	4.87	6.21	3.00	3.24	5.51	22.44	
RW-3	8/3/2010	5.39	5.45	0.90	0.72	6.28	23.16	
RW-3	8/10/2010	5.42	5.52	0.50	0.90	7.85	24.06	

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RW-3	8/17/2010	5.63	--	0.50	0.00	NB	24.06	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-3	8/23/2010	5.35	--	3.90	0.00	NB	24.06	Bottom at 44.60'; Measured for DNAPL with tape
RW-3	8/30/2010	5.48	--	4.89	0.00	NB	24.06	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-3	9/17/2010	5.46	--	6.90	6.13	4.37	30.19	Bottom at 44.52'
RW-3	9/24/2010	5.58	--	4.40	2.93	3.07	33.12	Bottom at 44.68'
RW-3	10/1/2010	5.77	5.77	2.60	1.20	3.30	34.32	Bottom at 44.42'
RW-3	10/5/2010	5.65	--	2.00	0.00	NB	34.32	Bottom at 44.54'; Measured for DNAPL with tape
RW-3	10/12/2010	5.74	--	2.40	0.68	3.82	35.00	Bottom at 44.53'
RW-3	10/18/2010	5.74	--	2.25	0.00	NB	35.00	Bottom at 44.48'
RW-3	12/10/2010	4.95	--	5.00	3.38	2.62	38.38	Bottom at 44.5'
RW-3	12/28/2010	4.88	--	2.50	1.05	7.95	39.43	Bottom at 44.51'
RW-3	1/3/2011	4.36	--	1.80	0.23	2.77	39.66	
RW-3	1/10/2011	4.83	--	1.80	0.23	2.77	39.89	
RW-3	1/17/2011	4.94	--	1.60	0.09	1.16	39.98	Bottom at 44.35'
RW-3	1/28/2011	--	--	2.00	--	NB	39.98	Measured for DNAPL with tape
RW-3	2/18/2011	4.84	--	1.24	--	NB	39.98	Measured for DNAPL with tape
RW-3	2/22/2011	3.80	--	1.13	--	NB	39.98	Measured for DNAPL with tape
RW-3	3/4/2011	4.08	--	0.60	0.02	1.48	40.00	
RW-3	3/18/2011	4.50	--	0.70	0.08	1.42	40.08	Bottom at 43.45, silt at bottom
RW-3	3/28/2011	4.80	--	0.50	0.01	0.24	40.09	
RW-3	4/4/2011	3.57	--	0.10	0.20	0.05	40.29	Bottom at 43.41'
RW-3	4/12/2011	3.84	--	0.10	0.00	0.25	40.29	Bottom at 43.55'
RW-3	4/19/2011	3.53	--	0.20	0.01	0.07	40.30	Bottom at 43.33'
RW-3	4/25/2011	3.25	--	0.20	--	NB	40.30	Bottom at 43.35'; Measured for DNAPL with tape
RW-3	5/9/2011	4.35	--	0.30	--	NB	40.30	Bottom at 43.20'; Measured for DNAPL with tape
RW-3	5/18/2011	4.48	--	0.70	0.10	0.24	40.40	Bottom at 43.32'
RW-3	6/6/2011	4.94	--	0.60	--	NB	40.40	Bottom at 43.22'; Measured for DNAPL with tape
RW-3	6/20/2011	4.24	--	0.70	0.01	0.99	40.41	Bottom at 43.3'
RW-3	6/27/2011	3.81	--	1.10	0.06	1.94	40.47	Bottom at 43.25'
RW-3	6/28/2011	4.22	--	0.70	0.01	0.99	40.48	
RW-3	7/8/2011	4.95	--	0.80	0.09	1.91	40.57	Bottom at 43.30'
RW-3	7/13/2011	5.14	--	0.60	0.05	0.95	40.62	Bottom at 43.26'
RW-3	7/18/2011	5.21	--	0.90	0.05	0.95	40.67	Bottom at 43.30'
RW-3	7/25/2011	4.05	--	1.20	0.08	0.01	40.75	Bottom at 43.20'
RW-3	8/5/2011	5.32	--	0.10	0.00	0.25	40.75	
RW-3	8/15/2011	5.20	--	1.40	0.65	3.35	41.40	Bottom at 43.20'
RW-3	8/24/2011	5.26	--	0.80	0.01	0.99	41.41	Bottom at 43.31'
RW-3	9/6/2011	5.51	--	0.90	0.20	0.80	41.61	Bottom at 43.27'
RW-3	9/12/2011	5.53	--	0.70	0.10	0.90	41.71	Bottom at 44.34'
RW-3	9/19/2011	4.99	--	0.20	0.50	0.95	42.21	Bottom at 43.34'
RW-3	10/6/2011	5.23	--	0.60	--	NB	42.21	Bottom at 43.24'

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CSX Transportation
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Bloomington, Indiana

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RW-3	10/10/2011	5.28	--	0.60	--	NB	42.21	Bottom at 43.25'
RW-3	10/14/2011	5.10	--	0.60	0.15	0.85	42.36	Bottom at 43.25'
RW-3	10/19/2011	4.95	--	0.70	0.05	0.95	42.41	Bottom at 43.38'
RW-3	10/24/2011	4.95	--	0.30	0.05	0.95	42.46	Bottom at 43.30'
RW-3	11/8/2011	4.94	--	0.90	0.01	0.24	42.47	Bottom at 43.65'
RW-3	6/5/2012	--	--	1.60	--	NB	42.47	Bottom at 43.60'
RW-3	11/14/2012	--	--	2.80	--	NB	42.47	
RW-3	4/18/2013	--	--	3.10	--	NB	42.47	
RW-3	6/28/2013	--	--	5.00	0.70	10.06	43.17	Air Lift Installed
RW-3	7/1/2013	--	--	--	0.69	5.19	43.86	
RW-3	7/8/2013	--	--	--	0.69	4.78	44.55	
RW-3	7/12/2013	--	--	--	0.69	4.93	45.24	
RW-3	7/15/2013	--	--	--	0.69	4.66	45.93	
RW-3	7/19/2013	--	--	--	0.69	4.99	46.62	
RW-3	7/22/2013	--	--	--	0.69	5.11	47.31	
RW-3	7/26/2013	--	--	--	0.69	4.69	48.00	
RW-3	8/9/2013	--	--	--	0.25	2.25	48.25	
RW-3	8/16/2013	--	--	--	0.23	2.11	48.48	
RW-3	8/19/2013	--	--	--	0.23	2.21	48.71	
RW-3	8/23/2013	--	--	0.00	0.23	1.98	48.94	
RW-3	8/26/2013	--	--	--	0.23	2.30	49.17	
RW-3	9/5/2013	--	--	--	0.23	2.34	49.40	
RW-3	9/9/2013	--	--	--	0.23	2.49	49.63	
RW-3	9/13/2013	--	--	--	0.23	2.27	49.86	
RW-3	9/16/2013	--	--	--	0.23	2.07	50.09	
RW-3	9/20/2013	--	--	--	0.23	1.75	50.32	
RW-3	9/23/2013	--	--	--	0.23	2.61	50.55	
RW-3	11/4/2013	--	--	--	0.43	1.60	50.98	
RW-3	11/12/2013	--	--	--	0.43	1.12	51.41	
RW-3	11/15/2013	--	--	--	0.42	1.70	51.83	
RW-3	11/18/2013	--	--	--	0.42	1.48	52.25	
RW-3	3/28/2014	--	--	1.00	0.80	0.38	53.05	
RW-3	4/1/2014	--	--	--	0.76	0.97	53.81	
RW-3	4/8/2014	--	--	--	0.70	1.77	54.51	
RW-3	4/11/2014	--	--	--	0.70	1.07	55.21	
RW-3	4/15/2014	--	--	--	0.70	1.40	55.91	
RW-3	4/16/2014	--	--	0.00	0.00	0.00	55.91	Bottom at 44.4'
RW-3	4/18/2014	--	--	--	0.70	1.04	56.61	
RW-3	5/13/2014	--	--	--	0.70	0.56	57.31	
RW-3	5/19/2014	--	--	--	0.70	0.58	58.01	
RW-3	5/22/2014	--	--	--	0.70	0.00	58.71	
RW-3	5/27/2014	--	--	--	0.70	0.65	59.41	
RW-3	8/29/2014	--	--	--	1.00	2.63	60.41	

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-3	9/5/2014	--	--	--	1.00	1.29	61.41	
RW-3	9/12/2014	--	--	--	1.25	1.51	62.66	
RW-3	9/19/2014	--	--	--	0.06	2.16	62.72	
RW-3	9/25/2014	--	--	--	0.06	2.13	62.78	
RW-3	10/3/2014	--	--	--	0.06	1.93	62.84	
RW-3	10/10/2014	--	--	0.50	0.06	1.37	62.90	Bottom at 44.73'
RW-3	10/17/2014	--	--	--	0.06	1.34	62.96	
RW-3	10/24/2014	--	--	--	0.03	1.19	62.99	
RW-3	12/29/2014	--	--	0.10	0.00	0.00	62.99	Bottom at 45.35'
RW-3	3/4/2015	--	--	0.90	0.00	0.00	62.99	Bottom at 44.70'
RW-3	4/3/2015	--	--	--	2.25	0.25	65.24	
RW-3	4/10/2015	--	--	--	1.00	0.63	66.24	
RW-3	4/17/2015	--	--	--	1.00	0.73	67.24	
RW-3	4/24/2015	--	--	--	0.44	1.08	67.68	
RW-3	5/19/2015	--	--	0.00	0.00	0.00	67.68	Bottom at 44.50'
RW-3	6/5/2015	--	--	0.00	0.00	0.00	67.68	
RW-3	7/13/2015	--	--	0.00	0.00	0.00	67.68	
RW-3	9/28/2015	--	--	1.90	0.00	0.00	67.68	Bottom at 45.15'
RW-3	1/6/2016	--	--	3.05	0.00	0.00	67.68	Bottom at 44.40'
RW-3	2/19/2016	--	--	3.05	0.00	0.00	67.68	Bottom at 45.50'
RW-3	3/18/2016	--	--	--	2.50	1.24	70.18	
RW-3	4/8/2016	--	--	--	0.10	1.24	70.28	
RW-3	5/20/2016	--	--	--	0.09	1.54	70.37	
RW-3	6/22/2016	--	--	0.00	0.00	0.00	70.37	Bottom at 41.00' (did not reach bottom)
RW-3	9/9/2016	--	--	0.70	0.00	0.00	70.37	Bottom at 45.50'
RW-3	10/21/2016	--	--	0.80	0.00	0.00	70.37	Bottom at 45.50'
RW-3	12/2/2016	--	--	1.60	0.00	0.00	70.37	Bottom at 45.50'
RW-3	2/24/2017	--	--	1.80	0.00	0.00	70.37	Bottom at 45.50'
RW-3	4/21/2017	--	--	1.00	0.00	0.00	70.37	Bottom at 45.50'
RW-3	7/18/2017	--	--	2.60	0.00	0.00	70.37	Bottom at 45.50'
RW-3	10/20/2017	--	--	5.00	0.00	0.00	70.37	Bottom at 45.25'
RW-3	2/27/2018	--	--	5.50	0.00	0.00	70.37	Bottom at 45.25'
RW-3	4/6/2018	--	--	--	5.96	0.00	76.33	
RW-3	5/18/2018	--	--	0.40	0.00	0.00	76.33	Bottom at 45.25'
RW-3	8/10/2018	--	--	0.70	0.00	0.00	76.33	Bottom at 45.25'
RW-3	11/19/2018	--	--	0.80	0.00	0.00	76.33	Bottom at 45.25'
RW-3	3/15/2019	--	--	0.00	0.00	0.00	76.33	Bottom at 45.25'
RW-3	6/14/2019	--	--	1.90	0.00	0.00	76.33	Bottom at 45.00'
RW-3	9/6/2019	--	--	--	2.00	1.45	78.33	
RW-3	9/20/2019	--	--	--	1.00	2.52	79.33	
RW-4	12/4/2009	8.00	NM	23.00	5.00	10.00	5.00	Used bailer to gauge for DNAPL
RW-4	12/7/2009	8.00	NM	22.00	20.00	0.00	25.00	Used bailer to gauge for DNAPL

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Bloomington, Indiana

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RW-4	12/8/2009	8.00	20.00	21.00	20.00	0.00	45.00	Used bailer to gauge for DNAPL
RW-4	12/28/2009	7.28	22.00	15.00	31.00	7.25	76.00	Used weighted tape to gauge for DNAPL
RW-4	12/29/2009	7.32	15.00	6.70	8.16	3.84	84.16	Used weighted tape to gauge for DNAPL
RW-4	1/4/2010	7.54	13.28	2.25	1.36	3.64	85.52	Used weighted tape to gauge for DNAPL
RW-4	1/5/2010	7.36	12.17	2.75	0.81	3.19	86.33	Used weighted tape to gauge for DNAPL
RW-4	1/6/2010	7.48	--	2.00	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	1/8/2010	7.49	--	2.50	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	1/11/2010	7.56	--	2.25	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	1/18/2010	7.77	--	4.40	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	1/25/2010	6.64	--	5.75	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	2/1/2010	7.32	--	5.80	--	NB	86.33	Did not bail, observing recharge of DNAPL via tape
RW-4	2/2/2010	7.46	13.03	8.00	4.40	7.60	90.73	
RW-4	2/2/2010	7.62	12.98	3.00	1.47	9.53	92.20	
RW-4	2/4/2010	7.76	13.65	6.00	1.47	10.53	93.67	
RW-4	2/4/2010	7.49	13.85	3.00	1.39	11.61	95.06	
RW-4	2/5/2010	7.36	13.32	1.50	1.95	9.05	97.01	
RW-4	2/22/2010	5.98	11.56	5.00	5.86	8.14	102.87	
RW-4	3/2/2010	7.33	12.93	7.00	6.16	8.84	109.03	
RW-4	3/2/2010	7.68	12.73	3.00	1.51	8.49	110.54	
RW-4	3/4/2010	7.42	14.01	5.00	4.35	10.65	114.89	
RW-4	3/4/2010	8.01	13.31	1.00	0.86	6.14	115.75	
RW-4	3/8/2010	7.51	16.17	5.00	5.05	3.70	120.80	
RW-4	3/11/2010	8.12	16.97	1.50	1.80	6.20	122.60	
RW-4	3/24/2010	7.09	10.55	5.00	2.10	4.90	124.70	
RW-4	4/16/2010	7.51	18.37	5.00	6.21	9.54	130.91	
RW-4	4/26/2010	6.58	13.32	1.75	1.53	7.22	132.44	
RW-4	5/5/2010	6.96	13.91	1.75	2.36	6.39	134.80	
RW-4	6/1/2010	7.41	18.37	5.25	6.39	9.36	141.19	
RW-4	6/9/2010	7.26	17.65	2.25	3.89	6.61	145.08	
RW-4	6/24/2010	7.3	19.12	5.50	7.70	8.05	152.78	
RW-4	7/6/2010	7.72	18.12	5.00	9.01	6.74	161.79	
RW-4	7/13/2010	7.86	19.01	4.50	7.61	8.14	169.40	
RW-4	7/20/2010	7.35	19.17	3.00	5.86	9.89	175.26	
RW-4	8/3/2010	7.92	11.04	0.30	0.79	6.21	176.05	
RW-4	8/10/2010	7.9	13.87	0.40	1.40	12.60	177.45	
RW-4	8/17/2010	8.24	--	0.50	--	NB	177.45	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-4	8/23/2010	7.88	--	6.75	--	NB	177.45	Bottom at 45.25'; Measured for DNAPL with tape
RW-4	8/30/2010	8.01	--	7.30	--	NB	177.45	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-4	9/17/2010	7.96	--	11.10	8.66	1.84	186.11	Bottom at 45.30', did not bail all DNAPL out
RW-4	9/24/2010	8.13	--	9.70	12.98	0.52	199.09	Bottom at 45.30',
RW-4	10/1/2010	8.31	--	3.70	4.50	4.50	203.59	Bottom at 45.22'

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RW-4	10/5/2010	8.2	--	2.10	--	NB	203.59	Bottom at 45.20'; Measured for DNAPL with tape
RW-4	10/12/2010	8.29	--	4.70	5.25	3.75	208.84	Bottom at 45.23; did not bail all DNAPL out
RW-4	10/18/2010	8.28	--	3.85	3.90	3.60	212.74	Bottom at 45.21'
RW-4	10/29/2010	7.97	--	4.68	--	NB	212.74	Bottom at 45.22'; Measured for DNAPL with tape
RW-4	12/10/2010	7.6	--	11.00	9.75	0.75	222.49	Bottom at 45.25'
RW-4	12/28/2010	7.35	--	9.00	9.90	0.60	232.39	Bottom at 45.25'
RW-4	1/3/2011	6.86	--	4.60	4.50	3.00	236.89	
RW-4	1/10/2011	7.46	--	2.10	2.63	4.87	239.52	
RW-4	1/17/2011	7.57	--	2.50	1.88	4.12	241.40	Bottom at 45.25'
RW-4	1/28/2011	--	--	3.25	--	NB	241.40	Measured for DNAPL with tape
RW-4	2/18/2011	7.4	--	4.42	--	NB	241.40	Measured for DNAPL with tape
RW-4	2/22/2011	6.35	--	5.30	1.60	2.00	243.00	
RW-4	3/4/2011	6.65	--	5.30	3.38	4.12	246.38	
RW-4	3/18/2011	6.97	--	4.60	2.93	6.07	249.31	Bottom at 44.90'
RW-4	3/28/2011	7.35	--	4.80	0.50	2.50	249.81	Bottom at 45.36'
RW-4	4/4/2011	6.22	--	4.80	0.60	0.15	250.41	Bottom at 44.9'
RW-4	4/12/2011	6.34	--	2.40	0.30	0.45	250.71	Bottom at 44.9'
RW-4	4/19/2011	6.06	--	5.90	2.24	1.76	252.95	Bottom at 45.05'
RW-4	4/25/2011	5.76	--	5.00	4.65	1.35	257.60	Bottom at 44.90'
RW-4	5/9/2011	6.76	--	2.00	2.05	1.95	259.65	Bottom at 44.95'
RW-4	5/16/2011	6.82	--	1.50	0.55	1.15	260.20	Bottom at 44.95'
RW-4	6/6/2011	7.42	--	2.40	--	NB	260.20	Bottom at 44.88'
RW-4	6/7/2011	7.35	--	2.40	3.65	2.35	263.85	
RW-4	6/20/2011	6.73	--	2.50	0.65	1.35	264.50	Bottom at 45.03'
RW-4	6/27/2011	6.33	'-	2.90	2.25	2.75	266.75	Bottom at 44.9'
RW-4	6/28/2011	4.64	--	1.00	0.10	0.90	266.85	
RW-4	7/8/2011	7.45	--	1.70	0.85	2.15	267.70	Bottom at 45.05'
RW-4	7/11/2011	7.58	--	1.20	1.25	1.75	268.95	Bottom at 44.90'
RW-4	7/13/2011	7.62	--	1.20	0.45	1.55	269.40	Bottom at 44.86'
RW-4	7/18/2011	7.75	--	1.60	0.80	2.20	270.20	Bottom at 44.9'
RW-4	7/25/2011	7.56	--	1.60	1.70	2.30	271.90	Bottom at 45.0'
RW-4	8/5/2011	7.84	--	1.40	1.40	2.60	273.30	
RW-4	8/15/2011	7.78	--	2.80	1.25	3.75	274.55	Bottom at 45.1'
RW-4	8/24/2011	7.78	--	3.00	2.65	2.35	277.20	Bottom at 45.05'
RW-4	9/6/2011	8.05	--	3.30	2.20	1.80	279.40	Bottom at 43.93'
RW-4	9/12/2011	8.08	--	3.20	3.00	2.00	282.40	Bottom at 45.00'
RW-4	9/19/2011	7.29	--	2.80	2.10	2.90	284.50	Bottom at 45.10'
RW-4	10/6/2011	7.7	--	4.60	4.80	2.20	289.30	Bottom at 44.92'
RW-4	10/10/2011	7.79	--	2.70	2.25	1.75	291.55	Bottom at 45.03'
RW-4	10/19/2011	7.44	--	2.60	2.20	2.80	293.75	Bottom at 44.95'
RW-4	10/24/2011	7.36	--	2.30	0.25	1.75	294.00	Bottom at 44.99'
RW-4	11/4/2011	6.95	--	3.50	2.95	2.05	296.95	
RW-4	6/5/2012	--	--	15.50	--	NB	296.95	Bottom at 45.15'

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Bloomington, Indiana

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RW-4	11/14/2012	--	--	20.20	--	NB	296.95	
RW-4	4/18/2013	--	--	20.40	--	NB	296.95	
RW-4	8/23/2013	--	--	16.50	--	NB	296.95	
RW-4	4/16/2014	--	--	--	0.00	0.00	296.95	Unable to measure DNAPL thicknes due to airlift assembly
RW-4	4/25/2014	--	--	--	11.11	8.73	308.06	
RW-4	4/29/2014	--	--	--	11.11	9.43	319.17	
RW-4	5/2/2014	--	--	--	10.70	10.35	329.87	
RW-4	5/6/2014	--	--	--	0.67	9.51	330.54	
RW-4	5/9/2014	--	--	--	0.67	4,48	331.21	
RW-4	5/13/2014	--	--	--	0.67	2.99	331.88	
RW-4	5/16/2014	--	--	--	0.67	2.82	332.55	
RW-4	5/19/2014	--	--	--	0.67	2,24	333.22	
RW-4	5/22/2014	--	--	--	0.66	1.58	333.88	
RW-4	5/27/2014	--	--	--	0.66	3.21	334.54	
RW-4	8/14/2014	--	--	--	2.00	4.01	336.54	
RW-4	8/22/2014	--	--	--	2.00	3.05	338.54	
RW-4	8/29/2014	--	--	--	2.00	1.01	340.54	
RW-4	9/5/2014	--	--	--	2.00	0.65	342.54	
RW-4	9/12/2014	--	--	--	2.00	1.24	344.54	
RW-4	9/19/2014	--	--	--	0.54	1.84	345.08	
RW-4	9/25/2014	--	--	--	0.53	1.11	345.61	
RW-4	10/3/2014	--	--	--	0.53	1.59	346.14	
RW-4	10/10/2014	--	--	--	0.53	1.89	346.67	
RW-4	10/17/2014	--	--	--	0.53	1.57	347.20	
RW-4	10/24/2014	--	--	--	0.53	2.27	347.73	
RW-4	11/6/2014	--	--	--	0.53	2.14	348.26	
RW-4	12/29/2014	--	--	--	0.00	0.00	348.26	Unable to measure DNAPL thicknes due to airlift assembly
RW-4	3/4/2015	--	--	--	0.00	0.00	348.26	Unable to measure DNAPL thicknes due to airlift assembly
RW-4	3/13/2015	--	--	--	5.00	4.87	353.26	
RW-4	3/20/2015	--	--	--	3.00	2.50	356.26	
RW-4	3/27/2015	--	--	--	1.00	2.53	357.26	
RW-4	4/3/2015	--	--	--	0.50	1.06	357.76	
RW-4	4/10/2015	--	--	--	0.50	0.99	358.26	
RW-4	4/17/2015	--	--	--	0.37	1.17	358.63	
RW-4	4/24/2015	--	--	--	0.37	0.63	359.00	
RW-4	5/19/2015	--	--	0.20	0.00	0.00	359.00	Bottom at 44.40'
RW-4	6/5/2015	--	--	0.00	0.00	0.00	359.00	
RW-4	7/13/2015	--	--	0.10	0.00	0.00	359.00	
RW-4	9/28/2015	--	--	0*	0.00	0.00	359.00	Bottom at 34.10' (cannot reach bottom of well).
RW-4	1/6/2016	--	--	5.75	0.00	0.00	359.00	Bottom at 44.40'
RW-4	2/19/2016	--	--	~5.75	0.00	0.00	359.00	Bottom at 37.00'; could not get probe to bottom of well
RW-4	3/18/2016	--	--	--	5.00	3.42	364.00	
RW-4	3/25/2016	--	--	--	2.00	3.11	366.00	

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CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-4	4/1/2016	--	--	--	1.00	1.20	367.00	
RW-4	4/8/2016	--	--	--	0.50	1.47	367.50	
RW-4	5/11/2016	--	--	--	0.30	2.71	367.80	
RW-4	5/20/2016	--	--	--	0.15	2.14	367.95	
RW-4	6/22/2016	--	--	0.30	0.00	0.00	367.95	Bottom att 46.40'
RW-4	9/9/2016	--	--	0.00	0.00	0.00	367.95	Bottom at 43.40' (did not reach bottom)
RW-4	10/21/2016	--	--	1.00	0.00	0.00	367.95	Bottom at 44.50'
RW-4	12/2/2016	--	--	1.00	0.00	0.00	367.95	Bottom at 43.40' (did not reach bottom)
RW-4	2/24/2017	--	--	1.00	0.00	0.00	367.95	Bottom at 43.40' (did not reach bottom)
RW-4	3/10/2017	--	--	--	1.50	0.40	369.45	
RW-4	3/24/2017	--	--	--	0.19	1.65	369.64	
RW-4	4/7/2017	--	--	--	0.10	1.40	369.74	
RW-4	4/21/2017	--	--	0.00	0.00	0.00	369.74	Bottom at 43.40' (did not reach bottom)
RW-4	7/18/2017	--	--	0.15	0.00	0.00	369.74	Bottom at 43.40' (did not reach bottom)
RW-4	10/20/2017	--	--	0.50	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	2/27/2018	--	--	2.50	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	5/18/2018	--	--	1.20	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	8/10/2018	--	--	1.40	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	11/19/2018	--	--	1.40	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	3/15/2019	--	--	1.60	0.00	0.00	369.74	Bottom at 44.30' (did not reach bottom)
RW-4	5/3/2019	--	--	--	0.30	4.90	370.04	
RW-4	5/17/2019	--	--	--	0.15	2.43	370.19	
RW-4	6/14/2019	--	--	0.30	0.00	0.00	370.19	Bottom at 43.50' (did not reach bottom)
RW-4	10/4/2019	--	--	0.30	0.00	0.00	370.19	Bottom at 45.50'
RW-5	12/28/2009	8.08	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	1/6/2010	8.38	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	1/11/2010	8.45	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	1/18/2010	8.55	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	1/25/2010	7.75	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	2/1/2010	8.17	--	0.00	--	NB	--	Used weighted tape to gauge for DNAPL
RW-5	2/22/2010	8.12	9.46	0.20	0.02	0.98	0.02	
RW-5	3/8/2010	8.14	10.62	0.33	0.06	0.69	0.08	
RW-5	3/11/2010	8.62	9.11	0.05	0.01	0.49	0.09	DNAPL staining on bailer
RW-5	4/16/2010	9.36	15.12	0.33	0.19	3.31	0.28	
RW-5	4/26/2010	7.80	22.13	2.50	2.12	6.63	2.40	
RW-5	5/5/2010	7.81	26.82	3.00	5.43	6.82	7.83	
RW-5	6/1/2010	8.08	22.31	4.00	6.56	3.94	14.39	
RW-5	6/9/2010	8.03	20.37	3.75	5.93	4.57	20.32	
RW-5	6/24/2010	8.14	21.96	4.25	7.53	8.22	27.85	
RW-5	7/6/2010	8.62	16.13	2.50	2.80	4.20	30.65	
RW-5	7/13/2010	8.64	17.98	2.50	3.33	5.42	33.98	
RW-5	7/20/2010	8.62	14.39	1.50	2.19	4.81	36.17	

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-5	8/3/2010	8.75	17.18	0.80	1.07	7.68	37.24	
RW-5	8/10/2010	9.13	17.60	1.40	1.16	5.84	38.40	
RW-5	8/17/2010	9.31	--	1.50	--	NB	38.40	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-5	8/23/2010	8.81	--	5.60	--	NB	38.40	Bottom at 46.65'; Measured for DNAPL with tape
RW-5	8/30/2010	8.86	--	5.78	--	NB	38.40	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-5	9/17/2010	8.83	--	5.72	7.26	3.24	45.66	Bottom at 45.55'
RW-5	9/24/2010	9.26	--	5.65	5.67	3.33	51.33	Bottom at 46.67'
RW-5	10/1/2010	9.42	--	5.40	4.50	4.50	55.83	Bottom at 46.55'
RW-5	10/5/2010	10.00	--	5.40	4.43	4.57	60.26	Bottom at 46.55'
RW-5	10/12/2010	9.42	--	5.00	3.98	5.02	64.24	Bottom at 46.57'
RW-5	10/18/2010	9.50	--	4.45	2.85	4.65	67.09	Bottom at 46.57'
RW-5	10/29/2010	8.91	--	4.49	--	NB	67.09	Bottom at 46.51'
RW-5	12/10/2010	9.45	--	5.20	4.65	2.85	71.74	Bottom at 46.6'
RW-5	12/28/2010	8.21	--	4.60	4.43	3.07	76.17	Bottom at 46.5'
RW-5	1/3/2011	7.70	--	4.50	3.00	3.00	79.17	
RW-5	1/10/2011	8.31	--	2.30	1.89	4.11	81.06	
RW-5	1/17/2011	8.43	--	1.75	1.13	3.37	82.19	Bottom at 46.6'
RW-5	1/28/2011	--	--	2.00	--	NB	82.19	Measured for DNAPL with tape
RW-5	2/18/2011	8.29	--	1.76	--	NB	82.19	Measured for DNAPL with tape
RW-5	2/22/2011	7.19	--	1.53	--	NB	82.19	Measured for DNAPL with tape
RW-5	3/4/2011	7.64	--	2.25	0.83	3.67	83.02	
RW-5	3/18/2011	7.92	--	1.90	--	NB	83.02	Bottom at 46.20'; Measured for DNAPL with tape
RW-5	3/28/2011	8.29	--	0.90	0.13	1.87	83.15	Bottom at 46.72'
RW-5	4/4/2011	7.95	--	1.50	0.15	0.35	83.30	Bottom at 46.15'
RW-5	4/12/2011	7.24	--	1.80	0.15	0.35	83.45	Bottom at 46.16'
RW-5	4/19/2011	6.74	--	2.40	1.38	1.62	84.83	Bottom at 46.13'
RW-5	4/25/2011	6.54	--	1.30	0.90	1.10	85.73	Bottom at 46.15'
RW-5	5/9/2011	7.75	--	0.80	0.35	1.65	86.08	Bottom at 46.15'
RW-5	5/16/2011	7.76	--	0.50	0.26	1.74	86.34	Bottom at 46.15'
RW-5	6/6/2011	8.34	--	1.40	--	NB	86.34	Bottom at 46.15'; Measured for DNAPL with tape
RW-5	6/7/2011	8.33	--	1.40	1.10	1.90	87.44	
RW-5	6/20/2011	7.60	--	1.70	0.70	1.30	88.14	Bottom at 46.16'
RW-5	6/27/2011	7.52	--	1.50	0.85	2.15	88.99	Bottom at 46.2'
RW-5	6/28/2011	7.74	--	1.00	0.10	0.90	89.09	
RW-5	7/8/2011	8.39	--	2.40	1.09	2.91	90.18	Bottom at 46.30'
RW-5	7/11/2011	8.52	--	1.10	0.50	1.50	90.68	Bottom at 46.25'
RW-5	7/13/2011	8.60	--	1.30	0.60	1.40	91.28	Bottom at 46.22'
RW-5	7/18/2011	8.65	--	2.30	1.15	1.85	92.43	Bottom at 46.20'
RW-5	7/25/2011	8.52	--	2.00	1.65	2.35	94.08	Bottom at 46.3'
RW-5	8/5/2011	8.76	--	2.10	1.55	2.45	95.63	
RW-5	8/15/2011	8.65	--	2.10	1.05	2.95	96.68	Bottom at 46.3'

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RW-5	8/24/2011	8.74	--	2.10	1.45	2.55	98.13	Bottom at 46.3'
RW-5	9/6/2011	8.95	--	2.20	1.35	1.65	99.48	Bottom at 46.18'
RW-5	9/12/2011	9.01	--	1.60	0.95	2.05	100.43	Bottom at 46.30'
RW-5	9/19/2011	8.63	--	1.80	1.45	3.55	101.88	Bottom at 46.30'
RW-5	10/6/2011	8.68	--	2.30	3.55	1.45	105.43	Bottom at 46.20'
RW-5	10/10/2011	8.74	--	0.90	0.60	1.40	106.03	Bottom at 46.17'
RW-5	10/19/2011	8.47	--	1.60	0.75	1.25	106.78	Bottom at 46.15'
RW-5	10/24/2011	8.32	--	1.20	0.45	1.55	107.23	Bottom at 46.25'
RW-5	11/4/2011	7.94	--	0.90	0.65	1.35	107.88	
RW-5	11/8/2011	8.34	--	1.10	0.05	0.21	107.93	Bottom at 46.35'
RW-5	6/5/2012	--	--	3.30	--	NB	107.93	Bottom at 46.35'
RW-5	11/14/2012	--	--	4.50	--	NB	107.93	
RW-5	4/18/2013	--	--	4.80	--	NB	107.93	
RW-5	8/23/2013	--	--	6.00	--	NB	107.93	Bottom at 45.82'
RW-5	4/16/2014	--	--	7.80	0.00	0.00	107.93	Bottom at 45.8'
RW-5	5/6/2014	--	--	--	0.45	1.30	108.38	
RW-5	12/29/2014	--	--	--	0.00	0.00	108.38	Unable to measure DNAPL thicknes due to airlift assembly
RW-5	3/4/2015	--	--	--	0.00	0.00	108.38	Unable to measure DNAPL thicknes due to airlift assembly
RW-5	4/15/2015	--	--	10.00	9.36	0.00	117.74	
RW-5	4/17/2015	--	--	--	1.00	4.33	118.74	
RW-5	4/24/2015	--	--	--	1.00	4.04	119.74	
RW-5	4/30/2015	--	--	--	0.10	1.98	119.84	
RW-5	5/8/2015	--	--	--	0.09	1.55	119.93	
RW-5	5/15/2015	--	--	--	0.09	2.01	120.02	
RW-5	5/19/2015	--	--	0.20	0.00	0.00	120.02	Bottom at 45.80'
RW-5	6/5/2015	--	--	1.00	0.00	0.00	120.02	
RW-5	7/13/2015	--	--	0.50	0.00	0.00	120.02	
RW-5	9/28/2015	--	--	0.70	0.00	0.00	120.02	Bottom at 46.80'
RW-5	1/6/2016	--	--	0.00	0.00	0.00	120.02	Trace on probe; Bottom at 46.00'
RW-5	2/19/2016	--	--	1.10	0.00	0.00	120.02	Bottom at 47.00'
RW-5	3/25/2016	--	--	--	0.75	1.40	120.77	
RW-5	4/1/2016	--	--	--	0.10	1.24	120.87	
RW-5	5/11/2016	--	--	--	0.05	3.06	120.92	
RW-5	6/22/2016	--	--	0.00	0.00	0.00	120.92	Bottom at 45.60'
RW-5	9/9/2016	--	--	0.10	0.00	0.00	120.92	Bottom at 47.00'
RW-5	10/21/2016	--	--	0.00	0.00	0.00	120.92	Bottom at 47.90'
RW-5	12/2/2016	--	--	0.20	0.00	0.00	120.92	Bottom at 47.00'
RW-5	2/24/2017	--	--	0.50	0.00	0.00	120.92	Bottom at 47.00'
RW-5	4/21/2017	--	--	0.40	0.00	0.00	120.92	Bottom at 47.00'
RW-5	7/18/2017	--	--	1.00	0.00	0.00	120.92	Bottom at 47.00'
RW-5	10/20/2017	--	--	0.40	0.00	0.00	120.92	Bottom at 47.00'
RW-5	2/27/2018	--	--	0.40	0.00	0.00	120.92	Bottom at 47.00'
RW-5	5/18/2018	--	--	0.40	0.00	0.00	120.92	Bottom at 47.00'

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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-5	8/10/2018	--	--	0.40	0.00	0.00	120.92	Bottom at 47.00'
RW-5	11/19/2018	--	--	0.00	0.00	0.00	120.92	Bottom at 45.00'; did not reach bottom
RW-5	3/15/2019	--	--	0.00	0.00	0.00	120.92	Bottom at 45.00'; did not reach bottom
RW-5	6/14/2019	--	--	0.40	0.00	0.00	120.92	Bottom at 46.00'; did not reach bottom
RW-5	10/4/2019	--	--	3.00	0.00	0.00	120.92	Bottom at 46.50'
RW-6	4/16/2010	6.06	6.10	0.05	0.01	0.24	0.01	
RW-6	4/26/2010	5.25	5.97	0.00	0.00	1.75	0.01	Globules present in bailer
RW-6	5/5/2010	5.64	6.30	0.00	0.00	1.75	0.01	Globules present in bailer
RW-6	6/1/2010	6.11	6.55	0.00	0.00	1.75	0.01	Sheen and globules present in bailer
RW-6	6/9/2010	5.98	6.34	0.00	0.00	1.75	0.01	Sheen and globules present in bailer
RW-6	6/24/2010	5.99	6.13	0.00	0.00	0.25	0.01	
RW-6	7/6/2010	6.87	6.93	0.00	0.00	0.25	0.01	
RW-6	7/13/2010	7.01	7.13	0.00	0.00	0.25	0.01	
RW-6	7/20/2010	6.08	6.11	0.00	0.00	0.25	0.01	Globules and DNAPL staining on bailer
RW-6	8/3/2010	6.62	7.83	0.05	0.09	3.41	0.10	
RW-6	8/10/2010	6.67	7.46	0.00	0.00	0.25	0.10	
RW-6	8/17/2010	6.84	--	0.00	--	NB	0.10	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-6	8/23/2010	6.58	--	0.00	--	NB	0.10	Bottom at 38.55'; Measured for DNAPL with tape
RW-6	8/30/2010	6.70	--	0.00	--	NB	0.10	Recovery Program Temporarily Suspended; Measured for DNAPL with tape
RW-6	9/17/2010	6.69	--	0.00	--	NB	0.10	Bottom at 38.51'; Measured for DNAPL with tape
RW-6	9/24/2010	6.85	--	0.00	--	NB	0.10	Bottom at 38.53'; Measured for DNAPL with tape
RW-6	10/1/2010	7.05	--	0.00	--	NB	0.10	Bottom at 38.56'; Measured for DNAPL with tape
RW-6	10/5/2010	6.92	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	10/12/2010	7.05	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	10/18/2010	7.02	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	10/29/2010	6.68	--	0.00	--	NB	0.10	Bottom at 38.45'; Measured for DNAPL with tape
RW-6	12/10/2010	6.65	--	0.00	--	NB	0.10	38.5'; Measured for DNAPL with tape
RW-6	12/28/2010	6.05	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	1/3/2011	5.58	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	1/10/2011	6.18	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	1/17/2011	6.24	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	1/28/2011	--	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	2/18/2011	6.12	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	2/22/2011	5.07	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	3/4/2011	5.40	--	0.00	--	NB	0.10	Measured for DNAPL with tape
RW-6	3/18/2011	5.74	--	0.00	--	NB	0.10	Bottom at 38.50'; Measured for DNAPL with tape
RW-6	4/19/2011	4.84	--	0.00	--	NB	0.10	Bottom at 38.18'; Measured for DNAPL with tape
RW-6	5/9/2011	5.55	--	0.00	--	NB	0.10	Bottom at 38.15'; Measured for DNAPL with tape
RW-6	5/16/2011	5.55	--	0.00	--	NB	0.10	Bottom at 38.15'; Measured for DNAPL with tape
RW-6	6/6/2011	6.10	--	0.00	--	NB	0.10	Bottom at 38.1'; Measured for DNAPL with tape

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-6	6/20/2011	6.43	--	0.00	--	NB	0.10	Bottom at 38.1'; Measured for DNAPL with tape
RW-6	6/27/2011	5.08	--	0.00	--	NB	0.10	Bottom at 38.05'; Measured for DNAPL with tape
RW-6	7/8/2011	6.17	--	0.00	--	NB	0.10	Bottom at 38.05'; Measured for DNAPL with tape
RW-6	7/13/2011	6.33	--	0.00	--	NB	0.10	Bottom at 38.12'; Measured for DNAPL with tape
RW-6	7/18/2011	6.49	--	0.00	0.00	0.25	0.10	Bottom at 38.30'
RW-6	7/25/2011	6.28	--	0.00	--	NB	0.10	Bottom at 38.30'; Measured for DNAPL with tape
RW-6	8/5/2011	7.60	--	0.00	0.00	1.00	0.10	
RW-6	8/24/2011	6.51	--	0.00	0.00	0.00	0.10	Bottom at 38.19'
RW-6	10/10/2011	6.51	--	0.00	--	NB	0.10	Bottom at 38.11'
RW-6	11/8/2011	6.17	--	0.00	--	NB	0.10	Bottom at 38.36'
RW-6	6/5/2012	--	--	0.00	--	NB	0.10	Bottom at 38.30'
RW-6	11/14/2012	--	--	0.00	--	NB	0.10	
RW-6	4/18/2013	--	--	0.00	--	NB	0.10	
RW-6	8/23/2013	--	--	0.00	--	NB	0.10	Bottom at 38.15'; 4' of sediment in well
RW-6	4/16/2014	--	--	0.00	0.00	0.00	0.10	Trace DNAPL on probe. Bottom at 38.2'
RW-6	12/29/2014	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	3/4/2015	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	1/6/2016	--	--	0.00	0.00	0.00	0.10	Trace on probe; Bottom at 38.35'
RW-6	2/19/2016	--	--	0.00	0.00	0.00	0.10	Trace on probe; Bottom at 38.35'
RW-6	6/22/2016	--	--	0.00	0.00	0.00	0.10	Trace on probe; Bottom at 38.35'
RW-6	9/9/2016	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	10/21/2016	--	--	0.00	0.00	0.00	0.10	Bottom at 38.20'
RW-6	12/2/2016	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	2/24/2017	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	4/21/2017	--	--	0.00	0.00	0.00	0.10	Bottom at 38.35'
RW-6	7/18/2017	--	--	0.15	0.00	0.00	0.10	Bottom at 38.35'
RW-6	10/20/2017	--	--	0.60	0.00	0.00	0.10	Bottom at 38.35'
RW-6	2/27/2018	--	--	0.10	0.00	0.00	0.10	Bottom at 38.35'
RW-6	5/18/2018	--	--	0.00	0.00	0.00	0.10	Bottom at 38.55'
RW-6	8/10/2018	--	--	0.00	0.00	0.00	0.10	Bottom at 38.55'
RW-6	11/19/2018	--	--	0.10	0.00	0.00	0.10	Bottom at 38.55'
RW-6	3/15/2019	--	--	0.60	0.00	0.00	0.10	Bottom at 38.55'
RW-6	6/14/2019	--	--	0.60	0.00	0.00	0.10	Bottom at 38.00'
RW-6	9/20/2019	--	--	0.80	0.00	0.00	0.10	Bottom at 38.20'
RW-7	12/10/2010	8.55	--	3.60	0.95	3.55	0.95	Obstructions at 46.6' and 48.0'
RW-7	12/28/2010	8.31	--	2.50	0.75	3.75	1.70	Obstructions at 46.6' and 48.0'
RW-7	1/3/2011	7.84	--	2.00	0.30	2.70	2.00	Obstructions at 46.6' and 48.0'
RW-7	1/10/2011	8.38	--	2.00	0.38	4.12	2.38	Obstructions at 46.6' and 48.0'
RW-7	1/17/2011	8.60	--	1.50	0.00	NB	2.38	Measured for DNAPL with tape
RW-7	1/28/2011	--	--	1.75	0.00	NB	2.38	Obstructions at 46.6 and 48.0' Measured for DNAPL with tape
RW-7	3/4/2011	7.15	--	0.90	0.15	1.35	2.53	Obstruction at 46.4'
RW-7	3/18/2011	7.38	--	0.80	0.00	NB	2.53	Obstruction at 46.30'; Measured for DNAPL with tape

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CSX Transportation
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Bloomington, Indiana

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RW-7	3/28/2011	7.39	--	0.90	0.06	0.44	2.59	Bottom at 46.85'
RW-7	4/4/2011	7.77	--	0.80	0.10	0.40	2.69	Bottom at 46.31'
RW-7	4/12/2011	7.06	--	0.70	0.10	0.40	2.79	Bottom at 46.22'
RW-7	4/19/2011	7.19	--	0.90	0.03	0.05	2.82	Bottom at 46.30', obstruction
RW-7	4/25/2011	7.35	--	0.50	0.08	0.42	2.90	Bottom at 46.30', obstruction
RW-7	5/9/2011	6.11	--	0.80	0.20	0.55	3.10	Bottom at 46.30', obstruction
RW-7	5/18/2011	6.81	--	1.00	0.20	0.30	3.30	Bottom at 46.3, obstruction
RW-7	6/6/2011	7.49	--	0.90	0.00	NB	3.30	Bottom at 46.28', obstruction; Measured for DNAPL with tape
RW-7	6/7/2011	7.40	--	0.90	0.10	0.90	3.40	Bottom at 46.30', obstruction
RW-7	6/20/2011	7.76	--	0.80	0.01	0.99	3.41	Bottom at 46.34', obstruction
RW-7	6/27/2011	8.06	--	1.00	0.10	1.90	3.51	Bottom at 46.3', obstruction
RW-7	6/28/2011	8.70	--	0.60	0.00	NB	3.51	Measured for DNAPL with tape
RW-7	7/8/2011	8.25	--	0.40	0.09	0.91	3.60	Bottom at 46.29'
RW-7	7/11/2011	8.73	--	0.70	0.10	0.90	3.70	Bottom at 46.21'
RW-7	7/13/2011	9.06	--	1.20	0.20	0.80	3.90	Bottom at 47.50'
RW-7	7/18/2011	9.10	--	0.90	0.08	0.92	3.98	Bottom at 46.6'
RW-7	7/25/2011	8.95	--	0.80	0.05	0.10	4.03	Bottom at 46.22'
RW-7	8/5/2011	8.69	--	0.20	0.15	1.85	4.18	
RW-7	8/15/2011	9.14	--	0.40	0.05	0.95	4.23	Bottom at 46.3'
RW-7	8/24/2011	8.64	--	0.50	0.00	1.00	4.23	Bottom at 46.4'
RW-7	9/6/2011	9.30	--	0.80	0.05	0.95	4.28	Bottom at 46.32
RW-7	9/12/2011	9.42	--	0.40	0.05	0.95	4.33	Bottom at 46.40'
RW-7	9/19/2011	9.37	--	1.50	0.20	1.80	4.53	Bottom at 47.65'
RW-7	10/6/2011	8.71	--	0.60	0.05	0.95	4.58	Bottom at 46.40'
RW-7	10/10/2011	1.50	--	0.70	0.05	0.95	4.63	Bottom at 46.40'
RW-7	10/19/2011	8.83	--	0.60	0.10	0.90	4.73	Bottom at 46.25'
RW-7	10/24/2011	8.50	--	0.40	0.10	0.90	4.83	Bottom at 46.35'
RW-7	11/8/2011	8.44	--	0.50	0.00	NB	4.83	Bottom at 46.52'
RW-7	6/5/2012	--	--	1.30	0.00	NB	4.83	Bottom at 46.60', obstruction
RW-7	10/26/2012	--	--	4.50	2.50	0.00	7.33	Bypassed obstruction with 2" Stainless Steel
RW-7	11/5/2012	--	--	5.00	0.27	4.82	7.60	
RW-7	11/14/2012	--	--	3.50	--	NB	7.60	
RW-7	11/26/2012	--	--	--	0.27	5.08	7.87	
RW-7	12/3/2012	--	--	--	0.75	5.05	8.62	
RW-7	12/4/2012	--	--	5.00	0.25	5.33	8.87	
RW-7	12/5/2012	--	--	6.00	0.25	1.90	9.12	
RW-7	12/14/2012	--	--	3.30	0.27	4.41	9.39	
RW-7	12/17/2012	--	--	1.10	0.27	4.88	9.66	
RW-7	12/28/2012	--	--	--	0.27	5.07	9.93	
RW-7	1/2/2013	--	--	6.50	0.57	2.43	10.50	
RW-7	1/7/2013	--	--	3.60	0.57	4.42	11.07	
RW-7	1/14/2013	--	--	--	0.56	2.52	11.63	
RW-7	4/18/2013	--	--	10.00	--	NB	11.63	

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RW-7	4/30/2013	--	--	--	1.88	1.88	13.51	
RW-7	5/6/2013	--	--	--	6.07	6.07	19.58	
RW-7	5/20/2013	--	--	--	4.71	4.71	24.29	
RW-7	5/23/2013	--	--	--	0.47	4.50	24.76	
RW-7	5/29/2013	--	--	--	0.42	3.23	25.18	
RW-7	6/10/2013	--	--	--	0.42	2.18	25.60	
RW-7	6/14/2013	--	--	--	0.42	3.46	26.02	
RW-7	6/24/2013	--	--	--	0.42	2.87	26.44	
RW-7	7/8/2013	--	--	--	0.42	4.68	26.86	Air Lift Installed
RW-7	7/12/2013	--	--	--	0.42	4.26	27.28	
RW-7	7/15/2013	--	--	--	0.42	5.21	27.70	
RW-7	7/19/2013	--	--	--	0.42	5.54	28.12	
RW-7	7/22/2013	--	--	--	0.42	5.13	28.54	
RW-7	7/26/2013	--	--	--	0.43	4.71	28.97	
RW-7	8/9/2013	--	--	--	0.43	1.57	29.40	
RW-7	8/16/2013	--	--	--	0.43	2.11	29.83	
RW-7	8/19/2013	--	--	--	0.43	2.21	30.26	
RW-7	8/23/2013	--	--	0.20	0.43	1.57	30.69	Probe stopped 4' from bottom
RW-7	8/26/2013	--	--	--	0.43	1.70	31.12	
RW-7	9/5/2013	--	--	--	0.43	1.67	31.55	
RW-7	9/9/2013	--	--	--	0.43	1.46	31.98	
RW-7	9/13/2013	--	--	--	0.42	1.94	32.40	
RW-7	9/16/2013	--	--	--	0.42	1.87	32.82	
RW-7	9/20/2013	--	--	--	0.42	1.48	33.24	
RW-7	9/23/2013	--	--	--	0.42	1.59	33.66	
RW-7	9/27/2013	--	--	--	0.42	1.83	34.08	
RW-7	9/30/2013	--	--	--	0.42	2.05	34.50	
RW-7	10/4/2013	--	--	--	0.42	1.66	34.92	
RW-7	10/7/2013	--	--	--	0.42	2.11	35.34	
RW-7	10/25/2013	--	--	--	0.43	1.77	35.77	
RW-7	10/28/2013	--	--	--	0.43	1.60	36.20	
RW-7	11/1/2013	--	--	--	0.43	1.69	36.63	
RW-7	11/4/2013	--	--	--	0.43	1.25	37.06	
RW-7	11/8/2013	--	--	--	0.42	0.70	37.48	
RW-7	11/12/2013	--	--	--	0.42	0.79	37.90	
RW-7	11/15/2013	--	--	--	0.42	1.24	38.32	
RW-7	11/18/2013	--	--	--	0.42	0.93	38.74	
RW-7	3/28/2014	--	--	--	0.85	0.41	39.59	
RW-7	4/1/2014	--	--	--	0.80	3.28	40.39	
RW-7	4/4/2014	--	--	--	0.77	0.54	41.16	
RW-7	4/8/2014	--	--	--	0.77	0.64	41.93	
RW-7	4/11/2014	--	--	--	0.77	0.38	42.70	
RW-7	4/15/2014	--	--	--	0.77	1.46	43.47	

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CSX Transportation
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RW-7	4/16/2014	--	--	--	0.00	0.00	43.47	Unable to measure DNAPL thickness due to airlift assembly
RW-7	4/18/2014	--	--	--	0.77	1.25	44.24	
RW-7	4/29/2014	--	--	--	0.77	1.60	45.01	
RW-7	5/2/2014	--	--	--	0.77	0.92	45.78	
RW-7	5/6/2014	--	--	--	0.77	0.97	46.55	
RW-7	5/13/2014	--	--	--	0.77	0.88	47.32	
RW-7	5/16/2014	--	--	--	0.77	0.54	48.09	
RW-7	5/19/2014	--	--	--	0.77	0.57	48.86	
RW-7	5/22/2014	--	--	--	0.77	0.36	49.63	
RW-7	5/27/2014	--	--	--	0.75	0.57	50.38	
RW-7	8/14/2014	--	--	--	1.92	1.78	52.30	
RW-7	8/29/2014	--	--	--	1.91	0.93	54.21	
RW-7	9/5/2014	--	--	--	1.91	0.16	56.12	
RW-7	9/12/2014	--	--	--	1.91	0.31	58.03	
RW-7	10/10/2014	--	--	0.50	1.91	1.30	59.94	Bottom at 49.40'
RW-7	10/17/2014	--	--	--	1.16	0.00	61.10	
RW-7	10/24/2014	--	--	--	1.22	0.00	62.32	
RW-7	11/6/2014	--	--	--	1.61	0.00	63.93	
RW-7	12/29/2014	--	--	--	0.00	0.00	63.93	Unable to measure DNAPL thickness due to airlift assembly
RW-7	3/4/2015	--	--	--	0.00	0.00	63.93	Unable to measure DNAPL thickness due to airlift assembly
RW-7	3/20/2015	--	--	--	0.90	2.63	64.83	
RW-7	3/27/2015	--	--	--	0.00	2.03	64.83	
RW-7	4/3/2015	--	--	--	0.00	2.26	64.83	
RW-7	4/10/2015	--	--	--	0.00	1.95	64.83	
RW-7	4/17/2015	--	--	--	0.00	1.75	64.83	
RW-7	4/24/2015	--	--	--	0.00	1.58	64.83	
RW-7	5/19/2015	--	--	2.00	0.00	0.00	64.83	Bottom at 50.90'
RW-7	6/5/2015	--	--	0.50	0.00	0.00	64.83	Could not reach bottom
RW-7	9/28/2015	--	--	4.00	0.00	0.00	64.83	Bottom at 50.10'
RW-7	1/6/2016	--	--	4.50	0.00	0.00	64.83	Bottom at 50.50'
RW-7	2/19/2016	--	--	9.75	0.00	0.00	64.83	Bottom at 50.90'
RW-7	3/18/2016	--	--	--	1.50	2.80	66.33	
RW-7	3/25/2016	--	--	--	0.75	1.59	67.08	
RW-7	4/1/2016	--	--	--	0.50	0.75	67.58	
RW-7	4/8/2016	--	--	--	0.50	2.63	68.08	
RW-7	5/11/2016	--	--	--	0.25	2.24	68.33	
RW-7	5/20/2016	--	--	--	0.08	1.31	68.41	
RW-7	6/22/2016	--	--	0.50	0.00	0.00	68.41	Bottom at 50.10'
RW-7	9/9/2016	--	--	1.00	0.00	0.00	68.41	Bottom at 50.90'
RW-7	10/21/2016	--	--	4.10	0.00	0.00	68.41	Bottom at 50.00'
RW-7	12/2/2016	--	--	2.00	0.00	0.00	68.41	Bottom at 50.90'
RW-7	2/24/2017	--	--	4.80	0.00	0.00	68.41	Bottom at 50.90'; air lift plugged
RW-7	4/21/2017	--	--	4.80	0.00	0.00	68.41	Bottom at 50.90'

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RW-7	7/18/2017	--	--	4.90	0.00	0.00	68.41	Bottom at 50.90'
RW-7	10/20/2017	--	--	6.00	0.00	0.00	68.41	Bottom at 50.90' (sheet says 59.90'; believe this is an error)
RW-7	11/17/2017	--	--	--	6.00	7.21	74.41	
RW-7	2/27/2018	--	--	3.60	0.00	0.00	74.41	Bottom at 50.90' (sheet says 59.90'; believe this is an error)
RW-7	5/18/2018	--	--	3.50	0.00	0.00	74.41	Bottom at 50.90'
RW-7	8/10/2018	--	--	4.70	0.00	0.00	74.41	Bottom at 50.90'
RW-7	11/19/2018	--	--	5.20	0.00	0.00	74.41	Bottom at 50.90'
RW-7	3/15/2019	--	--	5.20	0.00	0.00	74.41	Bottom at 50.90'
RW-7	6/14/2019	--	--	0.70	0.00	0.00	74.41	Bottom at 43.90', did not reach bottom
RW-7	8/9/2019	--	--	--	3.14	0.00	77.55	
RW-7	8/23/2019	--	--	--	0.45	0.00	78.00	
RW-7	9/20/2019	--	--	5.60	0.00	0.00	78.00	Bottom at 50.20'
RW-7	10/4/2019	--	--	--	0.71	0.00	78.71	
RW-8	4/24/2012	5.44	--	23.00	0.00	0.00	0.00	First time pumping with EDRS, did not record amount pumped
RW-8	5/23/2012	--	--	--	6.84	0.00	6.84	
RW-8	5/24/2012	--	--	--	12.00	0.00	18.84	
RW-8	5/31/2012	--	--	--	6.50	0.00	25.34	
RW-8	6/5/2012	--	--	21.10	0.00	NB	25.34	Bottom at 45.50', top of pump.
RW-8	7/18/2012	--	--	--	33.04	10.50	58.38	
RW-8	7/31/2012	--	--	6.00	11.75	0.00	70.13	
RW-8	8/1/2012	--	--	--	15.87	0.00	86.00	
RW-8	8/15/2012	--	--	15.00	26.63	0.00	112.63	
RW-8	8/23/2012	--	--	15.00	24.23	16.66	136.86	
RW-8	8/24/2012	--	--	11.00	0.00	NB	136.86	
RW-8	8/29/2012	--	--	14.00	20.76	9.70	157.62	
RW-8	8/30/2012	--	--	14.00	11.56	3.81	169.18	
RW-8	8/31/2012	--	--	11.50	0.00	NB	169.18	
RW-8	9/4/2012	--	--	14.00	21.84	4.50	191.02	
RW-8	9/10/2012	--	--	14.00	22.00	3.75	213.02	
RW-8	9/11/2012	--	--	13.00	15.32	5.98	228.34	
RW-8	9/12/2012	--	--	11.00	11.00	4.50	239.34	
RW-8	9/13/2012	--	--	10.50	8.25	1.30	247.59	
RW-8	9/14/2012	--	--	9.00	9.89	0.00	257.48	
RW-8	9/17/2012	--	--	12.75	0.00	NB	257.48	
RW-8	9/18/2012	--	--	13.25	15.98	3.76	273.46	
RW-8	9/27/2012	--	--	15.50	15.98	9.57	289.44	
RW-8	10/2/2012	--	--	14.00	15.98	3.41	305.42	
RW-8	10/11/2012	--	--	14.50	15.98	3.36	321.40	
RW-8	10/15/2012	--	--	--	15.98	5.72	337.38	
RW-8	10/22/2012	--	--	--	17.41	3.77	354.79	
RW-8	10/29/2012	--	--	--	17.42	2.62	372.21	
RW-8	11/5/2012	--	--	12.00	17.41	2.93	389.62	

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ARCADIS Design & Consultancy for natural and built assets

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-8	11/12/2012	--	--	--	19.55	0.99	409.17	
RW-8	11/14/2012	--	--	12.50	0.00	NB	409.17	
RW-8	11/19/2012	--	--	--	19.55	2.08	428.72	
RW-8	11/26/2012	--	--	--	21.18	0.00	449.90	
RW-8	12/3/2012	--	--	--	16.24	0.00	466.14	
RW-8	12/4/2012	--	--	12.80	14.84	0.00	480.98	
RW-8	12/11/2012	--	--	13.50	10.62	0.00	491.60	
RW-8	12/14/2012	--	--	9.00	13.75	0.00	505.35	
RW-8	12/17/2012	--	--	9.00	12.00	0.00	517.35	
RW-8	12/28/2012	--	--	--	16.64	0.00	533.99	
RW-8	1/2/2013	--	--	12.50	17.03	0.00	551.02	
RW-8	1/7/2013	--	--	11.70	17.50	0.00	568.52	
RW-8	1/14/2013	--	--	10.60	16.33	0.00	584.85	
RW-8	2/6/2013	--	--	11.25	10.60	0.00	595.45	
RW-8	4/3/2013	--	--	9.50	10.25	0.00	605.70	
RW-8	4/4/2013	--	--	7.50	10.25	0.00	615.95	
RW-8	4/18/2013	--	--	12.50	0.00	NB	615.95	
RW-8	4/22/2013	--	--	--	14.50	6.76	630.45	
RW-8	4/30/2013	--	--	--	20.34	0.00	650.79	
RW-8	5/3/2013	--	--	--	15.80	0.00	666.59	
RW-8	5/6/2013	--	--	--	0.90	0.00	667.49	
RW-8	5/20/2013	--	--	--	17.27	0.00	684.76	
RW-8	5/23/2013	--	--	--	13.7	3.99	698.46	
RW-8	5/29/2013	--	--	--	13.7	1.58	712.16	
RW-8	6/10/2013	--	--	--	12.68	0.00	724.84	
RW-8	6/14/2013	--	--	--	13.16	2.55	738.00	
RW-8	6/24/2013	--	--	--	13.17	3.12	751.17	
RW-8	7/1/2013	--	--	--	13.16	2.62	764.33	
RW-8	7/8/2013	--	--	--	13.17	2.69	777.50	
RW-8	7/12/2013	--	--	--	13.16	2.47	790.66	
RW-8	7/15/2013	--	--	--	9.44	0.00	800.10	
RW-8	7/19/2013	--	--	--	13.17	2.92	813.27	
RW-8	7/22/2013	--	--	--	10.62	0.00	823.89	
RW-8	7/26/2013	--	--	--	9.86	0.00	833.75	
RW-8	8/9/2013	--	--	--	15	0.00	848.75	
RW-8	8/16/2013	--	--	--	15.08	0.00	863.83	
RW-8	8/19/2013	--	--	--	15.32	0.00	879.15	
RW-8	8/23/2013	--	--	13.60	14.9	0.00	894.05	
RW-8	8/26/2013	--	--	--	15.37	0.00	909.42	
RW-8	9/5/2013	--	--	--	12.19	2.83	921.61	
RW-8	9/9/2013	--	--	--	12.18	3.25	933.79	
RW-8	9/13/2013	--	--	--	12.18	8.28	945.97	
RW-8	9/16/2013	--	--	--	14.08	5.30	960.05	

Notes:
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Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-8	9/20/2013	--	--	--	14.07	4.09	974.12	
RW-8	9/23/2013	--	--	--	14.07	4.49	988.19	
RW-8	9/27/2013	--	--	--	13.18	4.27	1001.37	
RW-8	9/30/2013	--	--	--	13.18	5.66	1014.55	
RW-8	10/4/2013	--	--	--	13.17	5.64	1027.72	
RW-8	10/7/2013	--	--	--	13.17	4.92	1040.89	
RW-8	10/25/2013	--	--	--	8.20	6.55	1049.09	
RW-8	10/28/2013	--	--	--	8.20	6.51	1057.29	
RW-8	11/1/2013	--	--	--	8.20	6.88	1065.49	
RW-8	11/4/2013	--	--	--	8.20	6.75	1073.69	
RW-8	11/8/2013	--	--	--	8.17	6.93	1081.86	
RW-8	11/12/2013	--	--	--	8.17	5.66	1090.03	
RW-8	11/15/2013	--	--	--	8.16	6.45	1098.19	
RW-8	11/18/2013	--	--	--	11.45	4.32	1109.64	
RW-8	3/28/2014	--	--	13.50	14.32	1.04	1123.96	
RW-8	4/1/2014	--	--	--	14.32	1.95	1138.28	
RW-8	4/4/2014	--	--	--	14.32	0.70	1152.60	
RW-8	4/8/2014	--	--	--	13.75	0.50	1166.35	
RW-8	4/11/2014	--	--	8.00	13.72	0.74	1180.07	
RW-8	4/15/2014	--	--	--	13.70	1.79	1193.77	
RW-8	4/16/2014	--	--	12.00	0.00	0.00	1193.77	Bottom at 50.85'
RW-8	4/18/2014	--	--	--	14.32	1.00	1208.09	
RW-8	4/25/2014	--	--	--	13.44	0.00	1221.53	
RW-8	4/29/2014	--	--	--	14.31	0.31	1235.84	
RW-8	5/2/2014	--	--	--	12.22	3.25	1248.06	
RW-8	5/6/2014	--	--	--	12.22	0.14	1260.28	
RW-8	5/9/2014	--	--	--	9.88	0.00	1270.16	
RW-8	5/13/2014	--	--	--	12.22	0.03	1282.38	
RW-8	5/16/2014	--	--	--	10.97	1.57	1293.35	
RW-8	5/19/2014	--	--	--	10.97	1.60	1304.32	
RW-8	5/22/2014	--	--	--	10.96	1.66	1315.28	
RW-8	5/27/2014	--	--	--	10.96	0.69	1326.24	
RW-8	8/14/2014	--	--	--	16.32	3.78	1342.56	
RW-8	8/22/2014	--	--	--	16.32	3.38	1358.88	
RW-8	8/29/2014	--	--	--	13.70	1.77	1372.58	
RW-8	9/5/2014	--	--	--	15.00	3.30	1387.58	
RW-8	9/12/2014	--	--	-	14.50	1.20	1402.08	
RW-8	9/19/2014	--	--	--	13.90	1.10	1415.98	
RW-8	9/25/2014	--	--	--	12.00	3.48	1427.98	
RW-8	10/3/2014	--	--	--	12.50	0.86	1440.48	
RW-8	10/10/2014	--	--	--	12.50	1.70	1452.98	
RW-8	10/17/2014	--	--	--	17.36	1.28	1470.34	
RW-8	10/24/2014	--	--	--	12.50	0.30	1482.84	

Notes:
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-8	10/31/2014	--	--	--	12.00	0.72	1494.84	
RW-8	11/6/2014	--	--	--	11.00	1.28	1505.84	
RW-8	12/29/2014	--	--	-	0.00	0.00	1505.84	Unable to measure DNAPL thickness due to airlift assembly
RW-8	3/4/2015	--	--	15.00	0.00	0.00	1505.84	Bottom at 51.00'
RW-8	3/13/2015	--	--	--	21.15	4.48	1526.99	
RW-8	3/20/2015	--	--	--	20.21	0.00	1547.20	
RW-8	3/27/2015	--	--	--	17.64	3.03	1564.84	
RW-8	4/3/2015	--	--	--	17.64	0.55	1582.48	
RW-8	4/10/2015	--	--	--	14.64	0.00	1597.12	
RW-8	4/17/2015	--	--	--	15.50	1.64	1612.62	
RW-8	4/24/2015	--	--	--	14.00	2.36	1626.62	
RW-8	4/30/2015	--	--	--	12.96	1.51	1639.58	
RW-8	5/8/2015	--	--	--	8.52	1.64	1648.10	
RW-8	5/15/2015	--	--	--	8.52	1.49	1656.62	
RW-8	5/19/2015	--	--	9.00	0.00	0.00	1656.62	Botom at 49.50'
RW-8	5/22/2015	--	--	--	8.36	1.00	1664.98	
RW-8	6/5/2015	--	--	9.00	9.73	5.01	1674.71	
RW-8	6/19/2015	--	--	--	9.73	4.76	1684.44	
RW-8	7/2/2015	--	--	--	18.30	0.40	1702.74	
RW-8	7/13/2015	--	--	11.80	0.00	0.00	1702.74	
RW-8	7/17/2015	--	--	--	15.00	1.67	1717.74	
RW-8	7/31/2015	--	--	--	12.00	3.54	1729.74	
RW-8	8/14/2015	--	--	--	8.00	3.57	1737.74	
RW-8	8/28/2015	--	--	--	7.50	3.12	1745.24	
RW-8	9/11/2015	--	--	--	7.01	2.20	1752.25	
RW-8	9/25/2015	--	--	--	6.50	2.64	1758.75	
RW-8	9/28/2015	--	--	5.00	0.00	0.00	1758.75	Bottom at 52.00
RW-8	10/9/2015	--	--	--	5.00	5.33	1763.75	
RW-8	10/23/2015	--	--	--	7.74	2.04	1771.49	
RW-8	11/6/2015	--	--	--	10.16	0.00	1781.65	
RW-8	11/20/2015	--	--	--	6.37	0.00	1788.02	
RW-8	12/4/2015	--	--	--	0.82	0.00	1788.84	
RW-8	12/11/2015	--	--	--	11.90	0.00	1800.74	
RW-8	1/6/2016	--	--	10.80	0.00	0.00	1800.74	Bottom at 52.00'
RW-8	2/19/2016	--	--	14.60	0.00	0.00	1800.74	Bottom at 52.00'
RW-8	3/18/2016	--	--	--	18.00	2.83	1818.74	
RW-8	3/25/2016	--	--	--	11.00	3.09	1829.74	
RW-8	4/1/2016	--	--	--	12.17	3.59	1841.91	
RW-8	4/8/2016	--	--	--	12.80	3.17	1854.71	
RW-8	4/27/2016	--	--	--	9.91	0.00	1864.62	
RW-8	5/11/2016	--	--	--	12.04	1.98	1876.66	
RW-8	5/20/2016	--	--	--	10.00	2.51	1886.66	
RW-8	6/17/2016	--	--	--	10.00	4.95	1896.66	

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RW-8	6/22/2016	--	--	9.60	0.00	0.00	1896.66	Bottom at 52.00'
RW-8	7/1/2016	--	--	--	9.00	2.18	1905.66	
RW-8	7/15/2016	--	--	--	7.00	3.36	1912.66	
RW-8	7/29/2016	--	--	--	7.00	2.98	1919.66	
RW-8	8/12/2016	--	--	--	6.38	1.48	1926.04	
RW-8	8/26/2016	--	--	7.10	6.27	1.62	1932.31	Bottom at 51.05'
RW-8	9/9/2016	--	--	4.10	5.76	2.96	1938.07	Bottom at 51.10'
RW-8	9/23/2016	--	--	--	5.75	1.78	1943.82	
RW-8	10/7/2016	--	--	--	5.50	2.21	1949.32	
RW-8	10/21/2016	--	--	3.90	4.50	3.38	1953.82	Bottom at 52.10'
RW-8	11/4/2016	--	--	--	4.50	2.98	1958.32	
RW-8	11/18/2016	--	--	--	4.00	1.48	1962.32	
RW-8	11/30/2016	--	--	--	4.00	2.60	1966.32	
RW-8	12/2/2016	--	--	0.60	0.00	0.00	1966.32	Bottom at 52.00'
RW-8	2/24/2017	--	--	13.10	0.00	0.00	1966.32	Bottom at 51.93'
RW-8	3/10/2017	--	--	--	12.00	0.94	1978.32	
RW-8	3/24/2017	--	--	--	10.00	2.32	1988.32	
RW-8	4/7/2017	--	--	--	9.15	0.56	1997.47	
RW-8	4/21/2017	--	--	7.60	7.00	0.26	2004.47	Bottom at 51.93'
RW-8	5/8/2017	--	--	--	6.76	0.50	2011.23	
RW-8	5/19/2017	--	--	--	7.00	1.23	2018.23	
RW-8	6/2/2017	--	--	--	5.00	2.09	2023.23	
RW-8	6/16/2017	--	--	--	4.00	1.82	2027.23	
RW-8	6/30/2017	--	--	--	3.88	3.27	2031.11	
RW-8	7/18/2017	--	--	4.80	3.50	2.35	2034.61	Bottom at 51.93'
RW-8	7/28/2017	--	--	--	3.00	2.34	2037.61	
RW-8	8/11/2017	--	--	-	3.00	1.77	2040.61	
RW-8	8/25/2017	--	--	--	4.00	0.15	2044.61	
RW-8	9/8/2017	--	--	--	3.45	1.63	2048.06	
RW-8	9/22/2017	--	--	--	3.15	1.26	2051.21	
RW-8	10/6/2017	--	--	--	3.00	1.43	2054.21	
RW-8	10/20/2017	--	--	2.60	3.00	1.54	2057.21	Bottom at 51.93'
RW-8	11/3/2017	--	--	--	2.46	0.41	2059.67	
RW-8	2/27/2018	--	--	9.40	0.00	0.00	2059.67	Bottom at 51.93'
RW-8	3/23/2018	--	--	--	7.27	7.61	2066.94	
RW-8	4/6/2018	--	--	--	5.00	4.96	2071.94	
RW-8	4/20/2018	--	--	--	3.00	3.28	2074.94	
RW-8	5/4/2018	--	--	--	3.00	2.09	2077.94	
RW-8	5/18/2018	--	--	2.50	3.00	1.74	2080.94	Bottom at 51.93'
RW-8	6/1/2018	--	--	--	2.00	1.79	2082.94	
RW-8	6/15/2018	--	--	--	2.32	2.15	2085.26	
RW-8	6/29/2018	--	--	--	2.00	3.04	2087.26	
RW-8	7/13/2018	--	--	--	2.00	1.98	2089.26	

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RW-8	7/27/2018	--	--	--	2.00	1.83	2091.26	
RW-8	8/10/2018	--	--	1.30	2.00	1.48	2093.26	Bottom at 51.93'
RW-8	8/24/2018	--	--	--	2.00	2.96	2095.26	
RW-8	9/7/2018	--	--	--	2.00	1.11	2097.26	
RW-8	9/21/2018	--	--	--	2.50	1.23	2099.76	
RW-8	10/5/2018	--	--	--	2.50	0.48	2102.26	
RW-8	10/19/2018	--	--	--	2.50	1.54	2104.76	
RW-8	11/2/2018	--	--	--	2.00	3.30	2106.76	
RW-8	11/16/2018	--	--	--	2.41	2.33	2109.17	
RW-8	11/19/2018	--	--	0.50	0.00	0.00	2109.17	Bottom at 51.93'
RW-8	11/30/2018	--	--	--	2.41	1.38	2111.58	
RW-8	3/15/2019	--	--	9.70	0.00	0.00	2111.58	Bottom at 51.93'
RW-8	3/22/2019	--	--	--	10.00	2.97	2121.58	
RW-8	4/5/2019	--	--	--	3.14	2.12	2124.72	
RW-8	4/19/2019	--	--	--	3.00	2.89	2127.72	
RW-8	5/3/2019	--	--	--	3.00	1.01	2130.72	
RW-8	5/17/2019	--	--	--	3.50	1.97	2134.22	
RW-8	5/31/2019	--	--	--	3.00	1.23	2137.22	
RW-8	6/14/2019	--	--	3.70	3.00	1.09	2140.22	Bottom at 51.00'
RW-8	6/28/2019	--	--	--	2.50	0.62	2142.72	
RW-8	7/12/2019	--	--	--	2.50	1.01	2145.22	
RW-8	7/26/2019	--	--	--	2.50	1.40	2147.72	
RW-8	8/9/2019	--	--	--	2.50	1.19	2150.22	
RW-8	8/23/2019	--	--	--	2.70	1.13	2152.92	
RW-8	9/6/2019	--	--	--	2.20	1.13	2155.12	
RW-8	9/20/2019	--	--	2.15	1.50	1.91	2156.62	Bottom at 51.00'
RW-8	10/4/2019	--	--	--	1.50	1.70	2158.12	
RW-8	10/18/2019	--	--	--	1.50	1.59	2159.62	
RW-8	11/1/2019	--	--	--	1.50	2.42	2161.12	
RW-8	11/15/2019	--	--	--	1.50	2.05	2162.62	
RW-8	12/2/2019	--	--	--	1.45	2.45	2164.07	
RW-9	10/25/2012	--	--	12.50	10.75	1.25	10.75	
RW-9	10/26/2012	--	--	5.00	--	NB	10.75	
RW-9	10/29/2012	--	--	--	8.21	3.09	18.96	
RW-9	11/5/2012	--	--	12.00	8.21	3.78	27.17	
RW-9	11/14/2012	--	--	12.50	--	NB	27.17	
RW-9	11/26/2012	--	--	--	8.21	2.80	35.38	
RW-9	12/3/2012	--	--	9.80	10.07	0.00	45.45	
RW-9	12/4/2012	--	--	4.50	1.00	4.70	46.45	
RW-9	12/5/2012	--	--	4.00	3.50	2.37	49.95	
RW-9	12/14/2012	--	--	10.80	5.63	5.10	55.58	
RW-9	12/17/2012	--	--	5.50	5.64	5.22	61.22	

Notes:
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ARCADIS Design & Consultancy for natural and built assets

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RW-9	12/28/2012	--	--	--	5.63	3.97	66.85	
RW-9	1/7/2013	--	--	15.60	9.41	0.00	76.26	
RW-9	1/14/2013	--	--	12.20	0.95	0.00	77.21	
RW-9	3/27/2013	--	--	20.00	17.85	29.75	95.06	
RW-9	4/18/2013	--	--	17.60	--	NB	95.06	
RW-9	4/22/2013	--	--	--	10.90	0.00	105.96	
RW-9	4/30/2013	--	--	--	0.60	0.00	106.56	
RW-9	8/23/2013	--	--	12.80	--	NB	106.56	Air Lift Plugged
RW-9	4/16/2014	--	--	16.00	0.00	0.00	106.56	Bottom at 48.05'
RW-9	4/21/2014	--	--	--	15.00	7.95	121.56	
RW-9	4/29/2014	--	--	--	1.34	0.00	122.90	
RW-9	5/2/2014	--	--	--	3.15	0.00	126.05	
RW-9	5/6/2014	--	--	--	4.25	6.30	130.30	
RW-9	5/9/2014	--	--	--	4.24	3.62	134.54	
RW-9	5/13/2014	--	--	--	4.24	1.08	138.78	
RW-9	5/16/2014	--	--	--	2.69	4.61	141.47	
RW-9	5/19/2014	--	--	--	2.68	2.08	144.15	
RW-9	5/22/2014	--	--	--	1.35	0.00	145.50	
RW-9	5/27/2014	--	--	--	2.68	1.02	148.18	
RW-9	8/14/2014	--	--	--	7.00	3.27	155.18	
RW-9	8/22/2014	--	--	--	5.59	0.00	160.77	
RW-9	8/29/2014	--	--	--	4.26	0.00	165.03	
RW-9	9/5/2014	--	--	--	5.00	3.75	170.03	
RW-9	9/12/2014	--	--	--	7.00	1.56	177.03	
RW-9	9/19/2014	--	--	--	6.35	1.27	183.38	
RW-9	9/25/2014	--	--	--	6.00	2.27	189.38	
RW-9	10/3/2014	--	--	--	5.78	1.45	195.16	
RW-9	10/10/2014	--	--	6.60	5.78	2.26	200.94	Botom at 52.10'
RW-9	10/17/2014	--	--	--	5.78	2.90	206.72	
RW-9	10/24/2014	--	--	--	5.78	4.17	212.50	
RW-9	10/31/2014	--	--	--	5.78	0.95	218.28	
RW-9	11/6/2014	--	--	--	5.73	0.60	224.01	
RW-9	12/29/2014	--	--	16.10	0.00	0.00	224.01	Bottom at 53.90'
RW-9	3/4/2015	--	--	18.30	0.00	0.00	224.01	Botom at 52.10'
RW-9	3/13/2015	--	--	--	15.34	0.00	239.35	
RW-9	3/20/2015	--	--	--	15.00	3.99	254.35	
RW-9	3/27/2015	--	--	--	6.24	3.76	260.59	
RW-9	4/3/2015	--	--	--	6.23	2.99	266.82	
RW-9	4/10/2015	--	--	--	7.00	0.80	273.82	
RW-9	4/17/2015	--	--	--	7.00	0.49	280.82	
RW-9	4/24/2015	--	--	--	6.88	0.00	287.70	
RW-9	4/30/2015	-	--	--	0.81	5.82	288.51	
RW-9	5/8/2015	--	--	--	0.80	4.75	289.31	

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DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-9	5/15/2015	--	--	--	0.78	3.79	290.09	
RW-9	5/19/2015	--	--	2.40	0.00	0.00	290.09	Bottom at 52.05'
RW-9	6/5/2015	--	--	7.00	0.00	0.00	290.09	
RW-9	6/19/2015	--	--	--	8.10	0.00	298.19	
RW-9	7/2/2015	--	--	--	12.31	0.00	310.50	
RW-9	7/13/2015	--	--	8.50	0.00	0.00	310.50	
RW-9	7/17/2015	--	--	--	10.39	0.00	320.89	
RW-9	7/31/2015	--	--	--	10.62	0.00	331.51	
RW-9	8/14/2015	--	--	--	7.00	1.42	338.51	
RW-9	8/28/2015	--	--	--	1.97	0.00	340.48	Issue with air line
RW-9	9/11/2015	--	--	--	6.00	1.78	346.48	Air line issue resolved
RW-9	9/25/2015	--	--	--	5.00	2.05	351.48	
RW-9	9/28/2015	--	--	2.20	0.00	0.00	351.48	Bottom at 52.80'
RW-9	10/9/2015	--	--	--	5.00	2.26	356.48	
RW-9	10/23/2015	--	--	--	5.48	0.00	361.96	Echpod glitch
RW-9	11/6/2015	--	--	--	4.91	3.51	366.87	
RW-9	11/20/2015	--	--	--	3.47	0.00	370.34	
RW-9	12/4/2015	--	--	--	9.16	1.04	379.50	
RW-9	12/11/2015	--	--	--	3.48	0.00	382.98	
RW-9	1/6/2016	--	--	11.50	0.00	0.00	382.98	Bottom at 52.80'
RW-9	2/19/2016	--	--	16.10	0.00	0.00	382.98	Bottom at 52.80'
RW-9	3/18/2016	--	--	--	6.00	0.21	388.98	Believe botttom is plugged, stop early.
RW-9	3/25/2016	--	--	--	0.00	0.00	388.98	Plugged
RW-9	4/5/2016	--	--	--	4.67	0.00	393.65	Pulled piping, fixed air line kink.
RW-9	4/8/2016	--	--	--	5.00	5.27	398.65	
RW-9	5/11/2016	--	--	--	8.87	1.27	407.52	
RW-9	5/20/2016	--	--	--	5.00	2.83	412.52	
RW-9	6/17/2016	--	--	--	7.00	3.28	419.52	
RW-9	6/22/2016	--	--	9.40	0.00	0.00	419.52	Bottom at 52.55'
RW-9	7/1/2016	--	--	--	6.00	2.06	425.52	
RW-9	7/15/2016	--	--	--	6.00	4.12	431.52	
RW-9	7/29/2016	--	--	--	5.00	3.55	436.52	
RW-9	8/12/2016	--	--	--	5.00	2.59	441.52	
RW-9	8/26/2016	--	--	7.75	4.12	2.37	445.64	Bottom at 52.90'
RW-9	9/9/2016	--	--	5.50	4.04	1.48	449.68	Bottom at 52.90'
RW-9	9/23/2016	--	--	--	4.00	1.84	453.68	
RW-9	10/7/2016	--	--	--	3.75	1.88	457.43	
RW-9	10/21/2016	--	--	4.70	3.50	2.63	460.93	Bottom at 52.30'
RW-9	11/4/2016	--	--	--	3.50	2.29	464.43	
RW-9	11/18/2016	--	--	--	3.25	1.81	467.68	
RW-9	11/30/2016	--	--	--	3.00	3.63	470.68	
RW-9	12/2/2016	--	--	0.90	0.00	0.00	470.68	Bottom at 52.80'
RW-9	2/24/2017	--	--	12.70	0.00	0.00	470.68	Bottom at 52.80'

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CSX Transportation
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Bloomington, Indiana

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RW-9	3/10/2017	--	--	--	10.00	1.82	480.68	
RW-9	3/24/2017	--	--	--	8.50	4.00	489.18	
RW-9	4/7/2017	--	--	--	4.00	6.03	493.18	
RW-9	4/21/2017	--	--	6.90	4.00	3.84	497.18	Bottom at 52.60'
RW-9	5/8/2017	--	--	--	3.93	0.84	501.11	
RW-9	5/19/2017	--	--	--	4.98	1.39	506.09	
RW-9	6/2/2017	--	--	--	4.64	1.66	510.73	
RW-9	6/16/2017	--	--	-	4.50	1.24	515.23	
RW-9	6/30/2017	--	--	--	5.25	2.29	520.48	
RW-9	7/18/2017	--	--	6.40	5.25	2.35	525.73	Bottom at 52.15'
RW-9	7/28/2017	--	--	--	4.50	1.50	530.23	
RW-9	8/11/2017	--	--	--	4.50	2.66	534.73	
RW-9	8/25/2017	--	--	--	4.25	2.66	538.98	
RW-9	9/8/2017	--	--	--	5.00	1.11	543.98	
RW-9	9/22/2017	--	--	--	5.25	1.87	549.23	
RW-9	10/6/2017	--	--	--	5.00	2.36	554.23	
RW-9	10/20/2017	--	--	6.40	5.00	1.49	559.23	Bottom at 52.45'
RW-9	11/3/2017	--	--	--	5.00	1.64	564.23	
RW-9	11/17/2017	--	--	--	5.41	2.58	569.64	
RW-9	2/27/2018	--	--	10.50	5.00	1.49	574.64	Bottom at 52.45'
RW-9	3/23/2018	--	--	--	9.01	6.84	583.65	
RW-9	4/6/2018	--	--	--	6.00	3.49	589.65	
RW-9	4/20/2018	--	--	--	5.00	1.13	594.65	
RW-9	5/4/2018	--	--	--	5.00	2.96	599.65	
RW-9	5/18/2018	--	--	3.95	5.00	1.37	604.65	Bottom at 52.45'
RW-9	6/1/2018	--	--	-	4.00	2.67	608.65	
RW-9	6/15/2018	--	--	--	5.06	2.27	613.71	
RW-9	6/29/2018	--	--	--	3.95	0.00	617.66	
RW-9	7/13/2018	--	--	--	5.00	2.15	622.66	
RW-9	7/27/2018	--	--	--	5.00	0.38	627.66	
RW-9	8/10/2018	--	--	5.60	5.00	1.86	632.66	Bottom at 52.45'
RW-9	8/24/2018	--	--	--	5.00	2.24	637.66	
RW-9	9/7/2018	--	--	--	5.00	0.78	642.66	
RW-9	9/21/2018	--	--	--	4.00	2.04	646.66	
RW-9	10/5/2018	--	--	--	4.00	1.91	650.66	
RW-9	10/19/2018	--	--	--	5.06	2.17	655.72	
RW-9	11/2/2018	--	--	--	4.00	2.13	659.72	
RW-9	11/16/2018	--	--	--	4.00	2.97	663.72	
RW-9	11/19/2018	--	--	2.60	0.00	0.00	663.72	Bottom at 52.45'
RW-9	11/30/2018	--	--	--	4.00	3.18	667.72	
RW-9	3/15/2019	--	--	11.50	0.00	0.00	667.72	Bottom at 52.45'
RW-9	3/22/2019	--	--	--	13.00	6.57	680.72	
RW-9	4/5/2019	--	--	--	4.00	4.10	684.72	

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RW-9	4/19/2019	--	--	--	4.00	3.34	688.72	
RW-9	5/3/2019	--	--	--	4.00	2.73	692.72	
RW-9	5/17/2019	--	--	--	3.64	1.63	696.36	
RW-9	5/31/2019	--	--	--	5.06	2.35	701.42	
RW-9	6/14/2019	--	--	7.30	5.05	1.51	706.47	
RW-9	6/28/2019	--	--	--	5.00	1.25	711.47	
RW-9	7/12/2019	--	--	--	2.21	0.00	713.68	
RW-9	7/26/2019	--	--	--	4.87	0.00	718.55	
RW-9	8/9/2019	--	--	--	3.00	0.21	721.55	
RW-9	8/23/2019	--	--	--	6.20	1.15	727.75	
RW-9	9/6/2019	--	--	--	4.50	1.49	732.25	
RW-9	9/20/2019	--	--	7.50	5.00	2.04	737.25	Bottom at 52.00'
RW-9	10/4/2019	--	--	--	4.06	2.07	741.31	
RW-9	10/18/2019	--	--	--	4.00	2.34	745.31	
RW-9	11/1/2019	--	--	--	4.00	3.13	749.31	
RW-9	11/15/2019	--	--	--	4.00	3.45	753.31	
RW-9	12/2/2019	--	--	--	4.00	4.29	757.31	
RW-10	11/14/2012	--	--	0.00	--	NB	0.00	
RW-10	3/26/2013	8.00	--	N/A	47.60	0.00	47.60	Removed 18' of sediment and DNAPL
RW-10	3/27/2013	8.00	--	6.50	10.00	7.85	57.60	
RW-10	4/2/2013	7.25	--	13.00	11.90	7.23	69.50	
RW-10	4/3/2013	--	--	11.40	12.00	6.00	81.50	
RW-10	4/4/2013	--	--	10.80	8.25	4.00	89.75	
RW-10	4/18/2013	--	--	15.50	--	NB	89.75	
RW-10	5/3/2013	--	--	--	10.00	9.90	99.75	
RW-10	5/6/2013	--	--	--	10.00	1.15	109.75	
RW-10	5/20/2013	--	--	--	10.00	10.68	119.75	
RW-10	5/23/2013	--	--	--	12.61	8.42	132.36	
RW-10	5/29/2013	--	--	--	12.61	2.81	144.97	
RW-10	6/10/2013	--	--	--	12.61	3.52	157.58	
RW-10	6/14/2013	--	--	--	4.46	11.10	162.04	
RW-10	6/24/2013	--	--	--	4.46	10.27	166.50	
RW-10	6/28/2013	--	--	--	4.46	6.14	170.96	
RW-10	7/1/2013	--	--	--	4.46	11.95	175.42	
RW-10	7/8/2013	--	--	--	1.59	8.47	177.01	
RW-10	7/12/2013	--	--	--	1.59	9.17	178.60	
RW-10	7/15/2013	--	--	--	1.60	8.98	180.20	
RW-10	7/19/2013	--	--	--	1.60	8.79	181.80	
RW-10	7/22/2013	--	--	--	2.89	7.95	184.69	
RW-10	7/26/2013	--	--	--	2.89	7.35	187.58	
RW-10	8/9/2013	--	--	--	2.89	7.71	190.47	
RW-10	8/16/2013	--	--	--	2.89	7.65	193.36	

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RW-10	8/19/2013	--	--	--	2.89	6.61	196.25	
RW-10	8/23/2013	--	--	--	0.64	5.28	196.89	
RW-10	8/26/2013	--	--	0.08	0.64	5.42	197.53	Bottom at 58.30'
RW-10	9/5/2013	--	--	--	0.64	5.00	198.17	
RW-10	9/9/2013	--	--	--	0.64	4.55	198.81	
RW-10	9/13/2013	--	--	--	0.64	1.38	199.45	
RW-10	9/16/2013	--	--	--	0.64	2.26	200.09	
RW-10	9/20/2013	--	--	--	0.64	2.46	200.73	
RW-10	9/23/2013	--	--	--	0.64	1.40	201.37	
RW-10	9/27/2013	--	--	--	0.64	1.52	202.01	
RW-10	9/30/2013	--	--	--	0.63	2.21	202.64	
RW-10	10/4/2013	--	--	--	0.63	1.64	203.27	
RW-10	10/7/2013	--	--	--	0.63	2.52	203.90	
RW-10	10/28/2013	--	--	--	0.73	0.97	204.63	
RW-10	11/1/2013	--	--	--	0.73	1.32	205.36	
RW-10	11/4/2013	--	--	--	0.73	0.81	206.09	
RW-10	11/8/2013	--	--	--	0.73	1.15	206.82	
RW-10	11/12/2013	--	--	--	0.73	0.25	207.55	
RW-10	11/15/2013	--	--	--	0.73	0.34	208.28	
RW-10	11/18/2013	--	--	--	0.72	0.28	209.00	
RW-10	3/28/2014	--	--	12.50	4.89	5.21	213.89	
RW-10	4/1/2014	--	--	--	2.11	8.02	216.00	
RW-10	4/4/2014	--	--	--	2.11	7.13	218.11	
RW-10	4/8/2014	--	--	--	2.11	2.78	220.22	
RW-10	4/11/2014	--	--	0.10	1.49	0.00	221.71	
RW-10	4/15/2014	--	--	0.10	2.11	0.24	223.82	
RW-10	4/16/2014	--	--	0.10	0.00	0.00	223.82	Bottom at 48.30'
RW-10	4/18/2014	--	--	--	2.11	3.70	225.93	
RW-10	5/13/2014	--	--	--	1.24	0.00	227.17	
RW-10	5/16/2014	--	--	--	1.20	0.00	228.37	
RW-10	5/19/2014	--	--	--	2.11	0.28	230.48	
RW-10	5/22/2014	--	--	--	0.23	1.07	230.71	
RW-10	5/27/2014	--	--	--	0.22	1.68	230.93	
RW-10	8/14/2014	--	--	--	3.22	0.00	234.15	
RW-10	8/22/2014	--	--	--	12.00	4.15	246.15	
RW-10	8/29/2014	--	--	--	4.53	0.48	250.68	
RW-10	9/5/2014	--	--	--	2.49	0.00	253.17	
RW-10	9/12/2014	--	--	--	1.26	0.00	254.43	
RW-10	10/10/2014	--	--	6.00	0.00	0.00	254.43	Bottom at 58.38'
RW-10	10/17/2014	--	--	--	4.43	2.36	258.86	
RW-10	10/24/2014	--	--	--	4.43	1.07	263.29	
RW-10	10/31/2014	--	--	--	2.61	0.00	265.90	
RW-10	12/29/2014	--	--	9.80	0.00	0.00	265.90	Bottom at 60.70'

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RW-10	3/4/2015	--	--	9.90	0.00	0.00	265.90	Bottom at 58.40'
RW-10	3/13/2015	--	--	--	5.00	5.36	270.90	
RW-10	3/20/2015	--	--	--	5.00	0.30	275.90	
RW-10	3/27/2015	--	--	--	0.17	3.79	276.07	
RW-10	4/3/2015	--	--	--	0.17	1.32	276.24	
RW-10	4/10/2015	--	--	--	0.17	2.23	276.41	
RW-10	4/17/2015	--	--	--	0.17	1.01	276.58	
RW-10	4/24/2015	--	--	--	0.17	1.10	276.75	
RW-10	5/19/2015	--	--	0.10	0.00	0.00	276.75	Bottom at 58.55'
RW-10	6/5/2015	--	--	0.10	0.00	0.00	276.75	
RW-10	7/13/2015	--	--	0.00	0.00	0.00	276.75	
RW-10	9/28/2015	--	--	0.10	0.00	0.00	276.75	Bottom at 59.10'
RW-10	1/6/2016	--	--	0.10	0.00	0.00	276.75	Bottom at 58.35'
RW-10	2/19/2016	--	--	0.20	0.00	0.00	276.75	Bottom at 59.00'
RW-10	6/22/2016	--	--	0.10	0.00	0.00	276.75	Bottom at 59.10'
RW-10	9/9/2016	--	--	0.00	0.00	0.00	276.75	Bottom at 59.00'
RW-10	10/21/2016	--	--	0.10	0.00	0.00	276.75	Bottom at 59.00'
RW-10	12/2/2016	--	--	0.10	0.00	0.00	276.75	Bottom at 59.00'
RW-10	2/24/2017	--	--	0.30	0.00	0.00	276.75	Bottom at 59.00'
RW-10	4/21/2017	--	--	0.30	0.00	0.00	276.75	Bottom at 59.00'
RW-10	7/18/2017	--	--	0.20	0.00	0.00	276.75	Bottom at 59.00'
RW-10	10/20/2017	--	--	0.20	0.00	0.00	276.75	Bottom at 59.00'
RW-10	2/27/2018	--	--	0.10	0.00	0.00	276.75	Bottom at 59.00'
RW-10	5/18/2018	--	--	0.10	0.00	0.00	276.75	Bottom at 59.00'
RW-10	8/10/2018	--	--	0.00	0.00	0.00	276.75	Bottom at 59.00'
RW-10	11/19/2018	--	--	0.30	0.00	0.00	276.75	Bottom at 59.00'
RW-10	3/15/2019	--	--	0.30	0.00	0.00	276.75	Bottom at 59.00'
RW-10	6/14/2019	--	--	0.40	0.00	0.00	276.75	Bottom at 58.30'
RW-10	10/4/2019	--	--	0.20	0.00	0.00	276.75	Bottom at 59.00'
RW-11	11/14/2012	--	--	0.00	--	NB	0.00	
RW-11	3/26/2013	8.00	--	N/A	0.00	15.00	0.00	
RW-11	3/27/2013	42.00	--	0.00	0.00	5.00	0.00	
RW-11	4/2/2013	31.00	--	0.04	0.00	0.00	0.00	
RW-11	4/4/2013	29.50	--	0.08	0.00	0.00	0.00	
RW-11	4/18/2013	--	--	0.13	--	NB	0.00	
RW-11	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 54.95'
RW-11	9/18/2013	--	--	0.10	0.00	25.00	0.00	DNAPL at start, well drawdown
RW-11	4/16/2014	--	--	0.10	0.00	0.00	0.00	Bottom at 55.10'
RW-11	9/5/2014	--	--	0.10	0.00	0.00	0.00	Bottom at 55.05'
RW-11	12/29/2014	--	--	0.10	0.00	0.00	0.00	Bottom at 56.60'
RW-11	3/4/2015	--	--	0.20	0.00	0.00	0.00	Bottom at 55.10'
RW-11	5/19/2015	--	--	0.10	0.00	0.00	0.00	Bottom at 55.10'

Notes:
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Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-11	1/6/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 55.00'
RW-11	2/19/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 55.00'
RW-11	6/22/2016	--	--	0.10	0.00	0.00	0.00	Bottom at 55.00'
RW-11	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 55.00'
RW-11	10/21/2016	--	--	0.30	0.00	0.00	0.00	Bottom at 55.00'
RW-11	12/2/2016	--	--	0.20	0.00	0.00	0.00	Bottom at 55.00'
RW-11	2/24/2017	--	--	0.20	0.00	0.00	0.00	Bottom at 55.00'
RW-11	4/21/2017	--	--	0.10	0.00	0.00	0.00	Bottom at 55.00'
RW-11	7/18/2017	--	--	0.10	0.00	0.00	0.00	Bottom at 55.00'
RW-11	10/20/2017	--	--	0.20	0.00	0.00	0.00	Bottom at 56.00'
RW-11	2/27/2018	--	--	0.20	0.00	0.00	0.00	Bottom at 56.00'
RW-11	5/18/2018	--	--	0.05	0.00	0.00	0.00	Bottom at 56.00'
RW-11	8/10/2018	--	--	0.05	0.00	0.00	0.00	Bottom at 56.00'
RW-11	11/19/2018	--	--	0.10	0.00	0.00	0.00	Bottom at 56.00'
RW-11	3/15/2019	--	--	0.05	0.00	0.00	0.00	Bottom at 56.00'
RW-11	6/14/2019	--	--	0.30	0.00	0.00	0.00	Bottom at 55.15'
RW-11	9/20/2019	--	--	0.30	0.00	0.00	0.00	Bottom at 55.20'
RW-12	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 55.23'
RW-12	9/18/2013	--	--	0.10	0.00	100.00	0.00	DNAPL at start w/ sediment, clear
RW-12	4/16/2014	--	--	0.80	0.00	0.00	0.00	Bottom at 56.6'
RW-12	4/18/2014	--	--	--	0.60	2.14	0.60	
RW-12	4/29/2014	--	--	--	0.53	0.06	1.13	
RW-12	5/2/2014	--	--	--	0.53	2.55	1.66	
RW-12	5/6/2014	--	--	--	0.53	6.98	2.19	
RW-12	5/9/2014	--	--	--	0.53	5.23	2.72	
RW-12	5/13/2014	--	--	--	0.53	3.25	3.25	
RW-12	5/16/2014	--	--	--	0.53	2.32	3.78	
RW-12	5/19/2014	--	--	--	0.53	3.48	4.31	
RW-12	5/22/2014	--	--	--	0.53	2.77	4.84	
RW-12	5/27/2014	--	--	--	0.53	1.54	5.37	
RW-12	8/14/2014	--	--	--	0.00	3.92	5.37	
RW-12	9/5/2014	--	--	0.00	0.00	0.00	5.37	Bottom at 56.50'; stopped recovery
RW-12	10/10/2014	--	--	0.00	0.00	0.00	5.37	Bottom at 56.51'
RW-12	12/29/2014	--	--	0.00	0.00	0.00	5.37	Bottom at 59.80'
RW-12	3/4/2015	--	--	0.00	0.00	0.00	5.37	Bottom at 56.50'
RW-12	5/19/2015	--	--	0.00	0.00	0.00	5.37	Trace DNAPL on probe. Bottom at 56.60'
RW-12	7/13/2015	--	--	0.00	0.00	0.00	5.37	
RW-12	9/28/2015	--	--	0.00	0.00	0.00	5.37	Bottom at 56.60'
RW-12	1/6/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 56.50'
RW-12	2/19/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 56.50'
RW-12	6/22/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 57.75'
RW-12	9/9/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'

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CSX Transportation
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Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-12	10/21/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	12/2/2016	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	2/24/2017	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	4/21/2017	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	7/18/2017	--	--	0.00	0.00	0.00	5.37	Bottom at 54.50'; did not reach bottom
RW-12	10/20/2017	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	2/27/2018	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	5/18/2018	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	8/10/2018	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	11/19/2018	--	--	0.10	0.00	0.00	5.37	Bottom at 57.30'
RW-12	3/15/2019	--	--	0.00	0.00	0.00	5.37	Bottom at 57.30'
RW-12	6/14/2019	--	--	0.00	0.00	0.00	5.37	Bottom at 56.47'
RW-12	10/4/2019	--	--	0.00	0.00	0.00	5.37	Bottom at 57.00'
RW-13	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 60.75'
RW-13	9/18/2013	--	--	0.00	0.00	100.00	0.00	Clear
RW-13	4/16/2014	--	--	3.50	0.00	0.00	0.00	Bottom at 60.9'
RW-13	4/18/2014	--	--	--	0.36	2.81	0.36	
RW-13	4/29/2014	--	--	--	0.36	2.33	0.72	
RW-13	5/2/2014	--	--	--	0.36	3.44	1.08	
RW-13	5/6/2014	--	--	--	0.36	1.42	1.44	
RW-13	5/9/2014	--	--	--	0.36	2.04	1.80	
RW-13	5/13/2014	--	--	--	0.36	1.59	2.16	
RW-13	5/16/2014	--	--	--	0.36	1.93	2.52	
RW-13	5/19/2014	--	--	--	0.36	2.38	2.88	
RW-13	5/22/2014	--	--	--	0.36	1.62	3.24	
RW-13	5/27/2014	--	--	--	0.34	1.61	3.58	
RW-13	8/14/2014	--	--	--	0.18	3.13	3.76	
RW-13	9/5/2014	--	--	0.05	0.00	0.00	3.76	Bottom at 60.95'; stopped recovery
RW-13	10/10/2014	--	--	0.30	0.00	0.00	3.76	Bottom at 60.94'
RW-13	12/29/2014	--	--	0.80	0.00	0.00	3.76	Bottom at 62.50'
RW-13	3/4/2015	--	--	1.00	0.00	0.00	3.76	Bottom at 60.95'
RW-13	5/19/2015	--	--	1.10	0.00	0.00	3.76	Bottom at 61.10'
RW-13	7/13/2015	--	--	1.10	0.00	0.00	3.76	
RW-13	9/28/2015	--	--	1.50	0.00	0.00	3.76	Bottom at 62.00'
RW-13	1/6/2016	--	--	1.50	0.00	0.00	3.76	Bottom at 61.00'
RW-13	2/19/2016	--	--	1.60	0.00	0.00	3.76	Bottom at 59.95'
RW-13	6/22/2016	--	--	1.80	0.00	0.00	3.76	Bottom at 62.00'
RW-13	9/9/2016	--	--	1.70	0.00	0.00	3.76	Bottom at 62.00'
RW-13	10/21/2016	--	--	1.70	0.00	0.00	3.76	Bottom at 61.90'
RW-13	12/2/2016	--	--	1.40	0.00	0.00	3.76	Bottom at 62.00'
RW-13	2/24/2017	--	--	2.00	0.00	0.00	3.76	Bottom at 62.00'
RW-13	4/21/2017	--	--	2.00	0.00	0.00	3.76	Bottom at 62.00'

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CSX Transportation
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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-13	7/18/2017	--	--	2.00	0.00	0.00	3.76	Bottom at 62.00'
RW-13	10/20/2017	--	--	1.90	0.00	0.00	3.76	Bottom at 62.00'
RW-13	2/27/2018	--	--	2.10	0.00	0.00	3.76	Bottom at 62.00'
RW-13	5/18/2018	--	--	1.90	0.00	0.00	3.76	Bottom at 62.00'
RW-13	8/10/2018	--	--	1.35	0.00	0.00	3.76	Bottom at 62.00'
RW-13	11/19/2018	--	--	2.10	0.00	0.00	3.76	Bottom at 62.00'
RW-13	3/15/2019	--	--	2.30	0.00	0.00	3.76	Bottom at 62.00'
RW-13	6/14/2019	--	--	2.90	6.70	0.13	10.46	Bottom at 63.00'
RW-13	6/28/2019	--	--	--	2.00	1.36	12.46	
RW-13	9/20/2019	--	--	0.20	0.00	0.00	12.46	Bottom at 61.00'
RW-14	6/4/2013	--	--	--	24.65	25.35	24.65	
RW-14	6/28/2013	--	--	20.00	14.78	6.02	39.43	
RW-14	7/1/2013	--	--	--	14.68	0.00	54.11	
RW-14	7/8/2013	--	--	--	14.74	0.76	68.85	
RW-14	7/12/2013	--	--	--	6.80	8.46	75.65	
RW-14	7/15/2013	--	--	--	6.80	9.36	82.45	
RW-14	7/19/2013	--	--	--	6.80	3.47	89.25	
RW-14	7/22/2013	--	--	--	6.80	4.81	96.05	
RW-14	7/26/2013	--	--	--	2.72	8.16	98.77	
RW-14	8/9/2013	--	--	--	2.72	7.58	101.49	
RW-14	8/16/2013	--	--	--	2.72	8.16	104.21	
RW-14	8/19/2013	--	--	--	2.72	8.04	106.93	
RW-14	8/23/2013	--	--	1.50	2.72	7.85	109.65	Bottom at 58.15
RW-14	8/26/2013	--	--	--	2.09	8.73	111.74	
RW-14	9/5/2013	--	--	--	2.06	8.69	113.80	
RW-14	9/9/2013	--	--	--	2.06	8.19	115.86	
RW-14	9/13/2013	--	--	--	2.06	3.64	117.92	
RW-14	9/16/2013	--	--	--	2.06	3.42	119.98	
RW-14	9/20/2013	--	--	--	2.06	3.76	122.04	
RW-14	9/23/2013	--	--	--	2.06	3.01	124.10	
RW-14	9/27/2013	--	--	--	0.85	4.51	124.95	
RW-14	9/30/2013	--	--	--	0.85	5.03	125.80	
RW-14	10/4/2013	--	--	--	0.85	6.54	126.65	
RW-14	10/7/2013	--	--	--	0.85	4.53	127.50	
RW-14	10/25/2013	--	--	--	0.11	1.78	127.61	
RW-14	10/28/2013	--	--	--	0.11	3.20	127.72	
RW-14	11/1/2013	--	--	--	0.11	2.88	127.83	
RW-14	11/4/2013	--	--	--	0.11	1.65	127.94	
RW-14	11/8/2013	--	--	--	0.11	1.35	128.05	
RW-14	11/12/2013	--	--	--	0.10	1.90	128.15	
RW-14	11/15/2013	--	--	--	0.10	1.95	128.25	
RW-14	11/18/2013	--	--	--	0.10	1.75	128.35	

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WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-14	3/28/2014	--	--	30.00	26.03	4.31	154.38	
RW-14	4/1/2014	--	--	41.00	28.56	1.22	182.94	
RW-14	4/4/2014	--	--	--	4.83	1.22	187.77	
RW-14	4/8/2014	--	--	--	9.25	1.22	197.02	
RW-14	4/11/2014	--	--	4.50	4.80	1.21	201.82	
RW-14	4/15/2014	--	--	3.00	4.29	1.21	206.11	
RW-14	4/16/2014	--	--	1.00	0.00	0.00	206.11	Bottom at 58.25'
RW-14	4/18/2014	--	--	--	2.34	1.21	208.45	
RW-14	4/29/2014	--	--	--	1.13	2.09	209.58	
RW-14	5/2/2014	--	--	--	1.09	2.73	210.67	
RW-14	5/6/2014	--	--	--	1.09	8.44	211.76	
RW-14	5/9/2014	--	--	--	1.09	1.76	212.85	
RW-14	5/13/2014	--	--	--	1.09	1.29	213.94	
RW-14	5/16/2014	--	--	--	1.09	1.36	215.03	
RW-14	5/19/2014	--	--	--	1.09	1.05	216.12	
RW-14	5/22/2014	--	--	--	1.09	1.18	217.21	
RW-14	5/27/2014	--	--	--	1.09	0.26	218.30	
RW-14	8/14/2014	--	--	--	12.00	3.86	230.30	
RW-14	8/22/2014	--	--	--	4.50	0.14	234.80	
RW-14	8/29/2014	--	--	--	0.52	4.00	235.32	
RW-14	9/5/2014	--	--	--	0.52	2.98	235.84	
RW-14	9/12/2014	--	--	--	3.75	1.52	239.59	
RW-14	9/19/2014	--	--	--	0.52	3.68	240.11	
RW-14	9/25/2014	--	--	--	0.52	4.12	240.63	
RW-14	10/3/2014	--	--	--	0.52	2.60	241.15	
RW-14	10/10/2014	--	--	0.50	0.52	1.36	241.67	
RW-14	10/17/2014	--	--	--	0.52	0.53	242.19	
RW-14	10/24/2014	--	--	--	0.48	1.12	242.67	
RW-14	10/31/2014	--	--	--	4.20	0.00	246.87	
RW-14	11/6/2014	--	--	--	1.11	0.00	247.98	
RW-14	12/29/14	--	--	12.00	0.00	0.00	247.98	Bottom at 62.50'
RW-14	3/4/2015	--	--	21.70	0.00	0.00	247.98	Bottom at 58.40'
RW-14	3/13/2015	--	--	--	22.31	2.69	270.29	
RW-14	3/20/2015	--	--	--	19.98	0.00	290.27	
RW-14	3/27/2015	--	--	--	20.37	0.00	310.64	
RW-14	4/3/2015	--	--	--	3.02	9.05	313.66	
RW-14	4/10/2015	--	--	--	3.02	7.01	316.68	
RW-14	4/17/2015	--	--	--	3.01	5.42	319.69	
RW-14	4/24/2015	--	--	--	3.14	5.29	322.83	
RW-14	4/30/2015	--	--	--	3.14	3.39	325.97	
RW-14	5/8/2015	--	--	--	3.13	2.35	329.10	
RW-14	5/15/2015	--	--	--	3.12	2.18	332.22	
RW-14	5/19/2015	--	--	0.40	0.00	0.00	332.22	Bottom at 58.50'

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RW-14	6/5/2015	--	--	0.75	0.00	0.00	332.22	
RW-14	7/13/2015	--	--	7.50	0.00	0.00	332.22	
RW-14	7/17/2015	--	--	--	10.18	0.00	342.40	
RW-14	7/31/2015	--	--	--	6.83	3.78	349.23	
RW-14	8/14/2015	--	--	--	3.00	2.17	352.23	
RW-14	8/28/2015	--	--	--	2.00	2.30	354.23	
RW-14	9/11/2015	--	--	--	2.00	0.98	356.23	
RW-14	9/25/2015	--	--	--	3.00	2.82	359.23	
RW-14	9/28/2015	--	--	0.75	0.00	0.00	359.23	Bottom at 59.40'
RW-14	10/9/2015	--	--	--	2.00	3.26	361.23	
RW-14	10/23/2015	--	--	--	2.00	2.79	363.23	
RW-14	11/6/2015	--	--	--	2.00	2.57	365.23	
RW-14	11/20/2015	--	--	--	3.37	0.00	368.60	
RW-14	12/4/2015	--	--	--	4.72	0.00	373.32	
RW-14	12/11/2015	--	--	--	3.48	0.00	376.80	
RW-14	1/6/2016	--	--	2.40	0.00	0.00	376.80	Bottom at 60.00'
RW-14	2/19/2016	--	--	9.80	0.00	0.00	376.80	Bottom at 59.50'
RW-14	3/18/2016	--	--	--	12.43	3.49	389.23	EchoPod issues, stop early
RW-14	3/25/2016	--	--	--	6.00	0.69	395.23	EchoPod issues, stop early
RW-14	4/1/2016	--	--	--	5.00	6.90	400.23	
RW-14	4/8/2016	--	--	--	3.00	3.60	403.23	
RW-14	5/11/2016	--	--	--	2.50	7.42	405.73	
RW-14	5/20/2016	--	--	--	1.50	3.98	407.23	
RW-14	6/17/2016	--	--	--	2.35	0.98	409.58	
RW-14	6/22/2016	--	--	1.20	0.00	0.00	409.58	Bottom at 59.20'
RW-14	7/1/2016	--	--	--	1.50	2.84	411.08	
RW-14	7/15/2016	--	--	--	1.50	2.32	412.58	
RW-14	7/29/2016	--	--	--	1.50	2.69	414.08	
RW-14	8/12/2016	--	--	--	1.50	2.12	415.58	
RW-14	8/26/2016	--	--	1.10	1.50	2.94	417.08	Bottom at 62.40'
RW-14	9/9/2016	--	--	0.70	1.02	2.39	418.10	Bottom at 60.56'
RW-14	9/23/2016	--	--	--	1.01	3.22	419.11	
RW-14	10/7/2016	--	--	--	1.01	1.82	420.12	
RW-14	10/21/2016	--	--	0.50	1.01	1.37	421.13	Bottom at 59.50'
RW-14	11/4/2016	--	--	--	1.01	1.67	422.14	
RW-14	11/18/2016	--	--	--	1.01	4.68	423.15	
RW-14	12/2/2016	--	--	1.10	0.00	0.00	423.15	Bottom at 59.50'
RW-14	2/24/2017	--	--	9.70	0.00	0.00	423.15	Bottom at 59.50'
RW-14	3/10/2017	--	--	--	10.56	1.44	433.71	
RW-14	3/24/2017	--	--	--	5.50	6.09	439.21	
RW-14	4/7/2017	--	--	--	3.50	6.21	442.71	
RW-14	4/21/2017	--	--	0.50	2.00	1.68	444.71	Bottom at 59.50'
RW-14	5/8/2017	--	--	--	2.00	0.49	446.71	

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Table 9.
DNAPL Recovery Data Table
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

WELL ID	DATE	Initial DTW (fbtoc)	Final DTW (fbtoc)	DNAPL Thickness (feet)	DNAPL Removed (gal.)	Groundwater Removed (gal.)	Cumulative Volume of DNAPL Removed (gal.)	Remarks
RW-14	5/19/2017	--	--	--	1.50	3.07	448.21	
RW-14	6/2/2017	--	--	--	0.25	1.68	448.46	
RW-14	6/16/2017	--	--	--	0.10	2.15	448.56	
RW-14	6/30/2017	--	--	--	0.10	1.08	448.66	
RW-14	7/18/2017	--	--	1.10	0.00	0.00	448.66	Bottom at 59.50'
RW-14	10/20/2017	--	--	3.20	0.00	0.00	448.66	Bottom at 59.50'
RW-14	2/27/2018	--	--	19.70	0.00	0.00	448.66	Bottom at 59.50'
RW-14	3/23/2018	--	--	--	33.00	10.08	481.66	
RW-14	4/6/2018	--	--	--	2.80	7.77	484.46	Split in two drums
RW-14	4/20/2018	--	--	--	1.50	4.91	485.96	
RW-14	5/4/2018	--	--	--	1.50	3.22	487.46	
RW-14	5/18/2018	--	--	0.60	1.37	1.70	488.83	Bottom at 59.50'
RW-14	6/1/2018	--	--	--	1.00	2.76	489.83	
RW-14	6/15/2018	--	--	--	2.00	1.36	491.83	
RW-14	6/29/2018	--	--	--	1.95	3.44	493.78	
RW-14	7/13/2018	--	--	--	0.25	2.42	494.03	
RW-14	7/27/2018	--	--	--	0.25	1.58	494.28	
RW-14	8/10/2018	--	--	0.90	0.00	0.00	494.28	Bottom at 59.50'
RW-14	11/19/2018	--	--	2.85	0.00	0.00	494.28	Bottom at 59.50'
RW-14	3/15/2019	--	--	6.25	0.00	0.00	494.28	Bottom at 59.50'
RW-14	3/22/2019	--	--	--	7.00	5.78	501.28	
RW-14	4/5/2019	--	--	--	2.00	3.56	503.28	
RW-14	4/19/2019	--	--	--	1.53	1.74	504.81	
RW-14	6/14/2019	--	--	1.10	0.00	0.00	504.81	Bottom at 58.50'
RW-14	9/20/2019	--	--	2.15	0.00	0.00	504.81	Bottom at 58.50'
RW-14	11/1/2019	--	--	--	3.43	2.45	508.24	
RW-15	6/28/2013	--	--	9.50	3.40	7.42	3.40	
RW-15	7/3/2013	--	--	--	0.00	3.54	3.40	
RW-15	7/22/2013	--	--	--	3.40	7.12	6.80	
RW-15	7/26/2013	--	--	--	3.40	7.32	10.20	
RW-15	8/9/2013	--	--	--	0.46	2.99	10.66	
RW-15	8/16/2013	--	--	--	0.46	3.66	11.12	
RW-15	8/19/2013	--	--	--	0.46	2.99	11.58	
RW-15	8/23/2013	--	--	--	0.46	3.32	12.04	Not gauged during event
RW-15	8/26/2013	--	--	--	0.46	3.40	12.50	
RW-15	9/5/2013	--	--	--	0.45	3.00	12.95	
RW-15	9/9/2013	--	--	--	0.45	2.81	13.40	
RW-15	9/13/2013	--	--	--	0.45	1.96	13.85	
RW-15	9/16/2013	--	--	--	0.45	1.22	14.30	
RW-15	9/20/2013	--	--	--	0.45	1.57	14.75	
RW-15	9/23/2013	--	--	--	0.45	2.00	15.20	
RW-15	9/27/2013	--	--	--	0.45	2.64	15.65	

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Bloomington, Indiana

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RW-15	9/30/2013	--	--	--	0.45	2.09	16.10	
RW-15	10/4/2013	--	--	--	0.45	1.24	16.55	
RW-15	10/7/2013	--	--	--	0.45	1.34	17.00	
RW-15	10/25/2013	--	--	--	0.11	2.54	17.11	
RW-15	10/28/2013	--	--	--	0.11	3.09	17.22	
RW-15	11/1/2013	--	--	--	0.11	1.89	17.33	
RW-15	11/4/2013	--	--	--	0.11	1.58	17.44	
RW-15	11/8/2013	--	--	--	0.11	1.24	17.55	
RW-15	11/12/2013	--	--	--	0.10	1.53	17.65	
RW-15	11/15/2013	--	--	--	0.10	1.46	17.75	
RW-15	11/18/2013	--	--	--	0.10	1.11	17.85	
RW-15	3/28/2014	--	--	7.6	4.00	5.61	21.85	
RW-15	4/1/2014	--	--	--	1.72	5.54	23.57	
RW-15	4/4/2014	--	--	--	1.72	8.17	25.29	
RW-15	4/8/2014	--	--	--	1.72	0.89	27.01	
RW-15	4/11/2014	--	--	--	1.72	1.01	28.73	
RW-15	4/15/2014	--	--	--	1.72	1.43	30.45	
RW-15	4/16/2014	--	--	0.30	0.00	0.00	30.45	Bottom at 56.8'
RW-15	4/18/2014	--	--	--	1.72	5.63	32.17	
RW-15	4/29/2014	--	--	--	1.07	0.80	33.24	
RW-15	5/2/2014	--	--	--	1.00	1.75	34.24	
RW-15	5/6/2014	--	--	--	1.00	0.56	35.24	
RW-15	5/9/2014	--	--	--	1.00	1.28	36.24	
RW-15	5/13/2014	--	--	--	1.00	0.60	37.24	
RW-15	5/16/2014	--	--	--	1.00	0.43	38.24	
RW-15	5/19/2014	--	--	--	1.00	1.04	39.24	
RW-15	5/22/2014	--	--	--	0.88	0.00	40.12	
RW-15	5/27/2014	--	--	--	1.00	0.04	41.12	
RW-15	8/14/2014	--	--	--	1.79	1.47	42.91	
RW-15	9/5/2014	--	--	2.30	0.00	0.00	42.91	Bottom at 56.40'; stopped recovery
RW-15	10/10/2014	--	--	2.80	0.00	0.00	42.91	
RW-15	12/29/2014	--	--	6.90	0.00	0.00	42.91	Bottom at 59.80'
RW-15	3/4/2015	--	--	10.80	0.00	0.00	42.91	Bottom at 56.25'
RW-15	3/20/2015	--	--	--	16.49	8.25	59.40	
RW-15	3/27/2015	--	--	--	2.00	3.74	61.40	
RW-15	4/3/2015	--	--	--	1.81	0.00	63.21	
RW-15	4/10/2015	--	--	--	2.00	2.14	65.21	
RW-15	4/17/2015	--	--	--	0.06	3.53	65.27	
RW-15	4/24/2015	--	--	--	0.06	3.55	65.33	
RW-15	4/30/2015	--	--	--	0.06	1.24	65.39	
RW-15	5/19/2015	--	--	0.80	0.00	0.00	65.39	Bottom at 57.00'
RW-15	6/5/2015	--	--	1.25	0.00	0.00	65.39	
RW-15	7/13/2015	--	--	4.00	0.00	0.00	65.39	

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RW-15	9/28/2015	--	--	5.40	0.00	0.00	65.39	Bottom at 58.00'
RW-15	1/6/2016	--	--	9.25	0.00	0.00	65.39	Bottom at 56.50'
RW-15	2/19/2016	--	--	14.00	0.00	0.00	65.39	Bottom at 58.15'
RW-15	3/18/2016	--	--	--	13.80	5.13	79.19	
RW-15	3/25/2016	--	--	--	8.00	3.51	87.19	
RW-15	4/1/2016	--	--	--	5.00	0.96	92.19	
RW-15	4/8/2016	--	--	--	4.00	1.03	96.19	
RW-15	5/11/2016	--	--	--	3.00	5.82	99.19	
RW-15	5/20/2016	--	--	--	2.00	1.42	101.19	
RW-15	6/17/2016	--	--	--	1.00	2.54	102.19	
RW-15	6/22/2016	--	--	0.60	0.00	0.00	102.19	Bottom at 58.00'
RW-15	7/1/2016	--	--	--	0.50	2.99	102.69	
RW-15	7/15/2016	--	--	--	0.29	0.78	102.98	
RW-15	9/9/2016	--	--	3.10	0.00	0.00	102.98	Bottom at 58.15'
RW-15	10/21/2016	--	--	5.60	0.00	0.00	102.98	Bottom at 58.15'
RW-15	11/30/2016	--	--	--	4.67	0.00	107.65	
RW-15	12/2/2016	--	--	4.50	0.00	0.00	107.65	Bottom at 59.50'
RW-15	2/24/2017	--	--	7.70	0.00	0.00	107.65	Bottom at 58.15'
RW-15	3/10/2017	--	--	--	8.00	1.71	115.65	
RW-15	3/24/2017	--	--	--	7.00	2.48	122.65	
RW-15	4/7/2017	--	--	--	5.00	4.98	127.65	
RW-15	4/21/2017	--	--	0.60	2.00	4.35	129.65	Bottom at 58.15'
RW-15	5/8/2017	--	--	--	1.17	0.76	130.82	
RW-15	5/19/2017	--	--	--	1.00	2.63	131.82	
RW-15	7/18/2017	--	--	4.10	0.00	0.00	131.82	Bottom at 58.15'
RW-15	10/20/2017	--	--	9.30	0.00	0.00	131.82	Bottom at 58.20'
RW-15	11/3/2017	--	--	--	14.00	4.02	145.82	
RW-15	11/17/2017	--	--	--	5.69	5.44	151.51	
RW-15	2/27/2018	--	--	2.50	0.00	0.00	151.51	Bottom at 58.20'
RW-15	5/18/2018	--	--	4.10	0.00	0.00	151.51	Bottom at 58.20'
RW-15	6/1/2018	--	--	--	5.68	4.80	157.19	
RW-15	6/15/2018	--	--	--	1.00	3.78	158.19	
RW-15	7/27/2018	--	--	--	0.70	2.84	158.89	
RW-15	8/10/2018	--	--	0.10	0.09	0.84	158.98	Bottom at 58.20'
RW-15	11/19/2018	--	--	0.90	0.09	0.84	159.07	Bottom at 58.20'
RW-15	3/15/2019	--	--	3.00	0.00	0.00	159.07	Bottom at 58.20'
RW-15	5/3/2019	--	--	--	4.50	3.38	163.57	
RW-15	5/17/2019	--	--	--	1.00	4.26	164.57	
RW-15	5/31/2019	--	--	--	0.32	2.05	164.89	
RW-15	6/14/2019	--	--	0.50	0.00	0.00	164.89	Bottom at 56.45'
RW-15	9/20/2019	--	--	1.50	0.00	0.00	164.89	Bottom at 56.40'
RW-15	11/15/2019	--	--	--	4.00	3.71	168.89	
RW-15	12/2/2019	--	--	--	1.00	2.83	169.89	

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RW-16	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 50.85
RW-16	4/16/2014	--	--	0.00	0.00	0.00	0.00	Trace DNAPL on probe. Bottom at 50.6'
RW-16	9/5/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 50.80'
RW-16	12/29/2014	--	--	0.00	0.00	0.00	0.00	Bottom at 51.45'
RW-16	3/4/2015	--	--	0.00	0.00	0.00	0.00	Bottom at 50.80'
RW-16	5/19/2015	--	--	0.00	0.00	0.00	0.00	Bottom at 50.65'
RW-16	1/6/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 50.70'
RW-16	2/19/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 50.70'
RW-16	6/22/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 50.70'
RW-16	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 51.50'
RW-16	10/21/2016	--	--	0.00	0.00	0.00	0.00	Botom at 51.70'
RW-16	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 51.50'
RW-16	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 51.50'
RW-16	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 51.50'
RW-16	7/18/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 51.50'
RW-16	10/20/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 51.20'
RW-16	2/27/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 51.20'
RW-16	5/18/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 51.20'
RW-16	8/10/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 51.20'
RW-16	11/19/2018	--	--	0.10	0.00	0.00	0.00	Bottom at 51.20'
RW-16	3/15/2019	--	--	0.50	0.00	0.00	0.00	Bottom at 51.20'
RW-16	6/14/2019	--	--	0.60	0.00	0.00	0.00	Bottom at 50.00'
RW-16	9/20/2019	--	--	0.80	0.00	0.00	0.00	Bottom at 50.60'
RW-17	8/23/2013	--	--	10.20	--	NB	0.00	Bottom at 41.55'; 9' of sediment in well
RW-17	4/16/2014	--	--	15.30	0.00	0.00	0.00	Bottom at 41.1'
RW-17	4/22/2014	--	--	--	36.04	0.00	36.04	Bottom at 48.0'
RW-17	4/25/2014	--	--	--	5.67	4.42	41.71	
RW-17	5/2/2014	--	--	--	2.36	7.88	44.07	
RW-17	5/6/2014	--	--	--	2.36	7.84	46.43	
RW-17	5/9/2014	--	--	--	2.35	8.14	48.78	
RW-17	5/13/2014	--	--	--	2.35	6.76	51.13	
RW-17	5/16/2014	--	--	--	1.35	8.09	52.48	
RW-17	5/19/2014	--	--	--	1.34	7.12	53.82	
RW-17	5/22/2014	--	--	--	1.34	5.63	55.16	
RW-17	5/27/2014	--	--	--	1.34	6.29	56.50	
RW-17	8/14/2014	--	--	--	20.00	3.79	76.50	
RW-17	8/22/2014	--	--	--	6.00	4.20	82.50	
RW-17	8/29/2014	--	--	--	0.22	4.89	82.72	
RW-17	9/5/2014	--	--	--	0.21	3.80	82.93	
RW-17	9/12/2014	--	--	--	0.21	2.18	83.14	
RW-17	9/19/2014	--	--	--	0.21	4.75	83.35	

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RW-17	9/25/2014	--	--	--	2.91	0.93	86.26	
RW-17	10/3/2014	--	--	--	2.90	1.27	89.16	
RW-17	10/10/2014	--	--	0.50	1.10	0.00	90.26	
RW-17	10/17/2014	--	--	--	1.47	0.00	91.73	
RW-17	10/24/2014	--	--	--	1.22	0.00	92.95	
RW-17	11/6/2014	--	--	--	3.75	1.83	96.70	
RW-17	12/29/2014	--	--	3.60	0.00	0.00	96.70	Bottom at 51.20'
RW-17	3/13/2015	--	--	--	12.00	4.88	108.70	
RW-17	3/20/2015	--	--	--	3.00	2.34	111.70	
RW-17	3/27/2015	--	--	--	1.00	2.55	112.70	
RW-17	4/3/2015	--	--	--	0.96	0.00	113.66	
RW-17	4/10/2015	--	--	--	1.00	3.15	114.66	
RW-17	4/17/2015	--	--	--	1.00	2.45	115.66	
RW-17	4/24/2015	--	--	--	1.00	1.90	116.66	
RW-17	4/30/2015	--	--	--	1.00	2.14	117.66	
RW-17	5/8/2015	--	--	--	1.00	3.07	118.66	
RW-17	5/15/2015	--	--	--	0.42	2.79	119.08	
RW-17	5/19/2015	--	--	1.00	0.00	0.00	119.08	Bottom at 47.75'
RW-17	6/5/2015	--	--	2.00	0.00	0.00	119.08	
RW-17	7/13/2015	--	--	7.60	0.00	0.00	119.08	
RW-17	8/14/2015	--	--	--	15.00	9.30	134.08	
RW-17	8/28/2015	--	--	--	3.00	4.03	137.08	
RW-17	9/11/2015	--	--	--	2.50	3.87	139.58	
RW-17	9/25/2015	--	--	--	1.00	2.36	140.58	
RW-17	9/28/2015	--	--	0.40	0.00	0.00	140.58	Bottom at 48.00'
RW-17	10/9/2015	--	--	--	1.50	1.98	142.08	
RW-17	10/23/2015	--	--	--	1.00	2.85	143.08	
RW-17	1/6/2016	--	--	4.30	0.00	0.00	143.08	Bottom at 47.80'
RW-17	2/19/2016	--	--	5.70	0.00	0.00	143.08	Bottom at 47.90'
RW-17	3/18/2016	--	--	--	10.00	4.16	153.08	
RW-17	3/25/2016	--	--	--	2.00	2.78	155.08	
RW-17	4/1/2016	--	--	--	1.00	1.42	156.08	
RW-17	4/8/2016	--	--	--	2.00	1.54	158.08	
RW-17	5/11/2016	--	--	--	2.00	5.04	160.08	
RW-17	5/20/2016	--	--	--	0.90	3.21	160.98	
RW-17	6/17/2016	--	--	--	4.11	3.73	165.09	
RW-17	6/22/2016	--	--	3.30	0.00	0.00	165.09	Bottom at 48.60'
RW-17	7/1/2016	--	--	--	3.50	2.34	168.59	
RW-17	7/15/2016	--	--	--	2.50	2.43	171.09	
RW-17	7/29/2016	--	--	--	2.00	2.81	173.09	
RW-17	8/12/2016	--	--	--	2.00	2.55	175.09	
RW-17	8/26/2016	--	--	0.90	2.00	2.41	177.09	Bottom at 49.80'
RW-17	9/9/2016	--	--	1.20	2.00	2.74	179.09	Bottom at 49.90'

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RW-17	9/23/2016	--	--	--	1.75	2.22	180.84	
RW-17	10/7/2016	--	--	--	1.52	2.17	182.36	
RW-17	10/21/2016	--	--	1.10	1.50	3.98	183.86	Bottom at 43.40' (did not reach bottom)
RW-17	11/4/2016	--	--	--	1.25	2.03	185.11	
RW-17	11/18/2016	--	--	--	1.00	1.59	186.11	
RW-17	12/2/2016	--	--	0.70	0.00	0.00	186.11	Bottom at 48.50'
RW-17	2/24/2017	--	--	1.50	0.00	0.00	186.11	Bottom at 48.50'
RW-17	4/21/2017	--	--	4.00	0.00	0.00	186.11	Bottom at 48.50'
RW-17	7/18/2017	--	--	11.30	0.00	0.00	186.11	Bottom at 48.50'
RW-17	7/28/2017	--	--	--	19.66	0.00	205.77	
RW-17	8/11/2017	--	--	--	3.61	6.76	209.38	
RW-17	8/25/2017	--	--	--	2.00	3.78	211.38	
RW-17	9/8/2017	--	--	--	2.00	3.27	213.38	
RW-17	9/22/2017	--	--	--	2.00	3.57	215.38	
RW-17	10/6/2017	--	--	--	1.00	3.48	216.38	
RW-17	10/20/2017	--	--	1.35	0.96	4.10	217.34	Bottom at 48.50'
RW-17	11/3/2017	--	--	--	0.96	1.13	218.30	
RW-17	2/27/2018	--	--	3.80	0.00	0.00	218.30	Bottom at 48.50'
RW-17	5/18/2018	--	--	9.80	0.00	0.00	218.30	Bottom at 48.50'
RW-17	6/29/2018	--	--	--	18.00	6.59	236.30	
RW-17	7/13/2018	--	--	--	2.00	2.24	238.30	
RW-17	7/27/2018	--	--	--	2.00	1.49	240.30	
RW-17	8/10/2018	--	--	0.90	2.00	2.86	242.30	Botom at 48.50'
RW-17	8/24/2018	--	--	--	1.00	1.39	243.30	
RW-17	9/7/2018	--	--	--	0.96	3.46	244.26	
RW-17	9/21/2018	--	--	--	1.20	1.22	245.46	
RW-17	10/5/2018	--	--	--	1.20	2.24	246.66	
RW-17	10/19/2018	--	--	--	1.20	3.06	247.86	
RW-17	11/2/2018	--	--	--	1.20	2.46	249.06	
RW-17	11/16/2018	--	--	--	1.20	2.44	250.26	
RW-17	11/19/2018	--	--	0.60	0.00	0.00	250.26	Bottom at 48.50'
RW-17	11/30/2018	--	--	--	1.16	2.65	251.42	
RW-17	3/15/2019	--	--	3.40	0.00	0.00	251.42	Bottom at 48.50'
RW-17	3/22/2019	--	--	--	5.00	3.54	256.42	
RW-17	4/5/2019	--	--	--	1.50	2.54	257.92	
RW-17	4/19/2019	--	--	--	0.54	2.14	258.46	
RW-17	6/14/2019	--	--	1.10	0.00	0.00	258.46	Bottom at 48.00'
RW-17	8/9/2019	--	--	--	4.00	1.53	262.46	
RW-17	8/23/2019	--	--	--	2.00	1.25	264.46	
RW-17	9/6/2019	--	--	--	2.30	1.69	266.76	
RW-17	9/20/2019	--	--	0.80	0.00	0.00	266.76	Bottom at 47.60'
RW-18	8/23/2013	--	--	0.00	--	NB	0.00	Bottom at 39.92'; 13' of sediment in well

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RW-18	4/16/2014	--	--	3.30	0.00	0.00	0.00	Bottom at 39.0'
RW-18	4/23/2014	--	--	--	8.51	67.14	8.51	Bottom at 51.7'
RW-18	4/25/2014	--	--	--	3.13	2.22	11.64	
RW-18	4/29/2014	--	--	--	3.13	2.82	14.77	
RW-18	5/2/2014	--	--	--	3.13	2.62	17.90	
RW-18	5/6/2014	--	--	--	1.46	9.28	19.36	
RW-18	5/9/2014	--	--	--	1.46	9.19	20.82	
RW-18	5/13/2014	--	--	--	1.45	8.16	22.27	
RW-18	5/16/2014	--	--	--	1.45	8.77	23.72	
RW-18	5/19/2014	--	--	--	0.00	8.61	23.72	
RW-18	5/22/2014	--	--	--	0.00	6.67	23.72	
RW-18	5/27/2014	--	--	--	0.00	8.21	23.72	
RW-18	8/14/2014	--	--	--	5.50	4.45	29.22	
RW-18	8/22/2014	--	--	--	3.50	2.61	32.72	
RW-18	8/29/2014	--	--	--	0.15	3.84	32.87	
RW-18	9/5/2014	--	--	--	0.15	3.22	33.02	
RW-18	9/12/2014	--	--	--	1.00	1.71	34.02	
RW-18	9/19/2014	--	--	--	0.15	2.32	34.17	
RW-18	9/25/2014	--	--	--	0.15	1.06	34.32	
RW-18	10/3/2014	--	--	--	0.15	3.94	34.47	
RW-18	10/10/2014	--	--	0.50	0.15	1.11	34.62	
RW-18	10/17/2014	--	--	--	0.15	1.16	34.77	
RW-18	10/24/2014	--	--	--	0.14	0.83	34.91	
RW-18	12/31/2014	--	--	5.30	0.00	0.00	34.91	Bottom at 54.20'
RW-18	3/4/2015	--	--	4.90	0.00	0.00	34.91	
RW-18	3/27/2015	--	--	--	8.00	2.29	42.91	
RW-18	4/3/2015	--	--	--	2.00	2.99	44.91	
RW-18	4/10/2015	--	--	--	1.50	3.02	46.41	
RW-18	4/17/2015	--	--	--	1.50	2.14	47.91	
RW-18	4/24/2015	--	--	--	0.55	3.39	48.46	
RW-18	4/30/2015	--	--	--	0.55	2.01	49.01	
RW-18	5/8/2015	--	--	--	0.55	2.35	49.56	
RW-18	5/15/2015	--	--	--	0.55	2.09	50.11	
RW-18	5/19/2015	--	--	0.00	0.00	0.00	50.11	Trace DNAPL on Probe, Bottom at 48.75'
RW-18	6/5/2015	--	--	3.00	0.00	0.00	50.11	
RW-18	7/13/2015	--	--	0.10	0.00	0.00	50.11	
RW-18	9/28/2015	--	--	4.10	0.00	0.00	50.11	Bottom at 49.70'
RW-18	1/6/2016	--	--	10.75	0.00	0.00	50.11	Bottom at 51.25'
RW-18	2/19/2016	--	--	11.30	0.00	0.00	50.11	Bottom at 50.35'
RW-18	3/25/2016	--	--	--	13.00	1.35	63.11	Issues with EchoPod, stop early
RW-18	4/1/2016	--	--	--	4.59	5.48	67.70	
RW-18	4/8/2016	--	--	--	1.50	1.74	69.20	
RW-18	5/11/2016	--	--	--	1.00	2.47	70.20	

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RW-18	5/20/2016	--	--	--	0.50	2.27	70.70	
RW-18	6/17/2016	--	--	--	1.25	2.75	71.95	
RW-18	6/22/2016	--	--	1.50	0.00	0.00	71.95	Bottom at 50.75'
RW-18	7/1/2016	--	--	--	1.00	2.36	72.95	
RW-18	7/15/2016	--	--	--	0.44	0.75	73.39	
RW-18	9/9/2016	--	--	0.80	0.00	0.00	73.39	Bottom at 50.35'
RW-18	10/21/2016	--	--	3.70	0.00	0.00	73.39	Bottom at 50.40'
RW-18	11/30/2016	--	--	--	3.51	0.00	76.90	
RW-18	12/2/2016	--	--	5.80	0.00	0.00	76.90	Bottom at 52.60'
RW-18	2/24/2017	--	--	8.50	0.00	0.00	76.90	Bottom at 52.60'
RW-18	3/10/2017	--	--	--	7.50	2.39	84.40	
RW-18	3/24/2017	--	--	--	6.00	4.21	90.40	
RW-18	4/7/2017	--	--	--	3.00	5.54	93.40	
RW-18	4/21/2017	--	--	0.80	1.00	4.40	94.40	Bottom at 52.60'
RW-18	5/8/2017	--	--	--	0.80	1.19	95.20	
RW-18	5/19/2017	--	--	--	0.50	3.04	95.70	
RW-18	7/18/2017	--	--	3.80	0.00	0.00	95.70	Bottom at 52.60'
RW-18	10/20/2017	--	--	5.50	0.00	0.00	95.70	Bottom at 52.60'
RW-18	11/17/2017	--	--	--	14.35	0.00	110.05	
RW-18	2/27/2018	--	--	3.40	0.00	0.00	110.05	Bottom at 52.60'
RW-18	5/18/2018	--	--	5.40	0.00	0.00	110.05	Bottom at 52.60'
RW-18	6/29/2018	--	--	--	2.56	2.44	112.61	
RW-18	7/13/2018	--	--	--	2.50	3.37	115.11	
RW-18	7/27/2018	--	--	--	2.00	1.09	117.11	
RW-18	8/10/2018	--	--	0.05	1.00	0.71	118.11	Bottom at 52.60'
RW-18	11/19/2018	--	--	0.50	0.00	0.00	118.11	Bottom at 52.60'
RW-18	3/15/2019	--	--	0.00	0.00	0.00	118.11	Bottom at 52.60'
RW-18	6/14/2019	--	--	2.40	0.00	0.00	118.11	Bottom at 50.80'; did not reach bottom
RW-18	6/28/2019	--	--	--	3.00	2.22	121.11	
RW-18	7/12/2019	--	--	--	1.50	1.37	122.61	
RW-18	7/26/2019	--	--	--	1.50	0.88	124.11	
RW-18	10/4/2019	--	--	2.80	0.00	0.00	124.11	Bottom at 52.60'
RW-19	12/11/2015	--	--	--	0.00	55.00	0.00	Removed ~20' of sediment (bottom was at 19')
RW-19	1/6/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 39.00' (~13' of sediment in well)
RW-19	2/19/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 40.60' (~12' of sediment in well)
RW-19	4/5/2016	--	--	--	0.00	50.00	0.00	Removed remaining sediment from well; bottom at ~52'
RW-19	6/22/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 50.00'
RW-19	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.60'
RW-19	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	2/24/2017	--	--	0.40	0.00	0.00	0.00	Bottom at 49.50'
RW-19	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'

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RW-19	7/18/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	10/20/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	2/27/2018	--	--	0.20	0.00	0.00	0.00	Bottom at 49.50'
RW-19	5/18/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	8/10/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50'
RW-19	11/19/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 49.50', silty
RW-19	3/15/2019	--	--	0.50	0.00	0.00	0.00	Bottom at 49.50'
RW-19	6/14/2019	--	--	1.00	0.00	0.00	0.00	Bottom at 48.60'
RW-19	10/4/2019	--	--	0.90	0.00	0.00	0.00	Bottom at 49.60'
PH-1	8/23/2013	--	--	0.00	0.50	50.00	0.50	Bottom at 51.80'; DNAPL in well when purged
PH-1	9/18/2013	--	--	0.00	1.00	35.00	1.50	DNAPL at start and at 30 gal.
PH-1	1/31/2014	--	--	1.00	0.00	0.00	1.50	Bottom at 51.85'
PH-1	4/16/2014	--	--	1.00	0.00	0.00	1.50	Bottom at 51.8'
PH-1	8/29/2014	--	--	1.10	0.00	0.00	1.50	Bottom at 51.8'
PH-1	12/29/2014	--	--	0.25	0.00	0.00	1.50	Bottom at 52.10'
PH-1	3/4/2015	--	--	0.00	0.00	0.00	1.50	Trace, Bottom at 51.85'
PH-1	5/19/2015	--	--	0.60	0.00	0.00	1.50	Bottom at 51.90'
PH-1	10/19/2015	--	--	1.00	0.62	5.02	2.12	Bottom at 51.90'
PH-1	10/20/2015	Abandoned						
PH-3	8/23/2013	--	--	0.00	0.00	100.00	0.00	Bottom at 46.42'
PH-3	9/18/2014	--	--	0.00	0.00	100.00	0.00	Odor, sheen
PH-3	1/31/2014	--	--	0.30	0.00	0.00	0.00	Bottom at 46.50'
PH-3	4/16/2014	--	--	0.40	0.00	0.00	0.00	Bottom at 46.4'
PH-3	8/29/2014	--	--	0.50	0.00	0.00	0.00	Bottom at 46.4'
PH-3	12/29/14	--	--	1.00	0.00	0.00	0.00	Bottom at 46.60'
PH-3	3/4/2015	--	--	1.10	0.00	0.00	0.00	Bottom at 46.60'
PH-3	5/19/2015	--	--	2.75	0.00	0.00	0.00	Bottom at 46.60'
PH-3	10/19/2015	--	--	2.30	1.86	5.04	1.86	Bottom at 46.55'
PH-3	10/20/2015	Abandoned						
PH-7	8/23/2013	--	--	1.40	0.00	0.00	0.00	Bottom at 41.86'
PH-7	9/18/2013	--	--	1.60	0.00	0.00	0.00	Bottom at 41.9'
PH-7	1/31/2014	--	--	2.50	0.00	0.00	0.00	Bottom at 42.00'
PH-7	4/16/2014	--	--	3.00	0.00	0.00	0.00	Bottom at 41.9'
PH-7	8/29/2014	--	--	3.75	0.00	0.00	0.00	Bottom at 41.85'
PH-7	12/29/2014	--	--	3.50	0.00	0.00	0.00	Bottom at 42.10'
PH-7	3/4/2015	--	--	3.65	0.00	0.00	0.00	Bottom at 42.10'
PH-7	5/19/2015	--	--	4.00	0.00	0.00	0.00	Bottom at 42.10'
PH-7	10/19/2015	--	--	3.70	2.48	5.48	2.48	Bottom at 42.00'
PH-7	10/21/2015	Converted to RW-19						

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PH-9	8/23/2013	--	--	0.00	0.00	100.00	0.00	Bottom at 38.15'; 3' of sediment in well
PH-9	9/18/2013	--	--	1	0.00	0.00	0.00	Bottom at 41.60'
PH-9	1/31/2014	--	--	1.50	0.00	0.00	0.00	Bottom at 41.50'
PH-9	4/16/2014	--	--	1.50	0.00	0.00	0.00	Bottom at 41.55'
PH-9	8/29/2014	--	--	1.50	0.00	0.00	0.00	Bottom at 41.75'
PH-9	12/29/2014	--	--	2.20	0.00	0.00	0.00	Bottom at 42.50'
PH-9	3/4/2015	--	--	2.35	0.00	0.00	0.00	Bottom at 41.70'
PH-9	5/19/2015	--	--	2.75	0.00	0.00	0.00	Bottom at 41.75'
PH-9	10/19/2015	--	--	3.00	2.79	2.83	2.79	Bottom at 41.70'
PH-9	10/20/2015	Abandoned						
PH-11	8/23/2013	--	--	0.20	-	0.00	0.00	Bottom at 41.58'
PH-11	9/18/2013	--	--	1.00	0.00	0.00	0.00	Bottom at 41.50'
PH-11	1/31/2014	--	--	1.20	0.00	0.00	0.00	Bottom at 41.50'
PH-11	4/16/2014	--	--	1.00	0.00	0.00	0.00	Bottom at 41.4'
PH-11	8/29/2014	--	--	0.90	0.00	0.00	0.00	Bottom at 41.70'
PH-11	12/31/2014	--	--	1.80	0.00	0.00	0.00	Bottom at 41.65'
PH-11	3/4/2015	--	--	1.90	0.00	0.00	0.00	Bottom at 41.65'
PH-11	5/19/2015	--	--	2.50	0.00	0.00	0.00	Bottom at 41.65'
PH-11	10/19/2015	--	--	2.10	1.86	4.81	1.86	Bottom at 41.60'
PH-11	10/10/2015	Abandoned						
					Total DNAPL (gal.)	**Total Water (gal)**	**Total Mixture (gal.)**	
					5415.89	**5148.46**	**10564.35**	
InterceDNAPL or Trench Collection Sump								
Sump	3/5/2008	4.01	--	0.00	0.00	--	--	
Sump	10/14/2008	6.36	--	0.00	0.00	--	--	
Sump	10/17/2008	6.18	--	0.00	0.00	0.50	0.00	
Sump	10/21/2008	6.35	--	0.00	0.00	0.25	0.00	
Sump	12/9/2008	3.02	--	0.00	0.00	0.25	0.00	Clear water
Sump	12/18/2008	5.59	--	0.00	0.00	0.25	0.00	Clear water
Sump	12/30/2008	4.24	--	0.00	0.00	0.25	0.00	Clear water
Sump	1/2/2009	4.32	--	0.00	0.00	0.25	0.00	Clear water
Sump	1/7/2009	4.73	--	0.00	0.00	0.25	0.00	Slightly cloudy, slight odor
Sump	1/14/2009	4.79'	--	0.00	0.00	0.25	0.00	Clear water
Sump	1/23/2009	5.23	--	0.00	0.00	0.25	0.00	Clear water
Sump	1/26/2009	5.86'	--	0.00	0.00	0.25	0.00	Slightly cloudy
Sump	1/27/2009	5.40'	--	0.00	0.00	0.25	0.00	1.5' of grey water in bailer, rust globules, sheen present visible on water surface inside manhole, odor.
Sump	1/28/2009	5.28'	--	0.00	0.00	0.25	0.00	Tan water
Sump	2/5/2009	5.34	--	0.00	0.00	0.25	0.00	

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Sump	3/11/2009	4.30	--	0.00	0.00	0.25	0.00	
Sump	3/17/2009	4.94	--	0.00	0.00	0.25	0.00	
Sump	3/25/2009	3.14	13.98	0.00	0.00	0.25	0.00	
Sump	3/31/2009	3.82	14.08	0.00	0.00	0.25	0.00	
Sump	4/20/2009	4.07	--	--	--	--	--	
Sump	4/29/2009	4.76	--	--	--	--	--	
Sump	5/6/2009	4.42	--	--	--	--	--	
Sump	5/11/2009	4.64	--	--	--	--	--	
Sump	5/20/2009	4.62	--	--	--	--	--	
Sump	5/27/2009	5.36	--	--	--	--	--	
Sump	6/15/2009	4.51	--	--	--	--	--	
Sump	6/24/2009	3.95	--	--	--	--	--	
Sump	6/30/2009	5.16	--	--	--	--	--	
Sump	7/31/2009	4.68	--	--	--	--	--	
Sump	8/13/2009	5.62	--	--	--	--	--	
Sump	8/26/2009	6.40	--	--	--	--	--	
Sump	10/2/2009	5.10	--	--	--	--	--	
Sump	10/6/2009	5.63	--	--	--	--	--	
Sump	12/18/2009	4.68	--	--	--	--	--	
Sump	2/3/2010	5.91	--	--	--	--	--	
Sump	8/30/2010	6.49	--	0.00	--	--	--	
Sump	10/10/2011	6.23	--	0.00	--	--	--	Bottom at 13.85'
Sump	11/8/2011	6.27	--	0.00	--	--	--	Rusty colored
Sump	4/16/2014	--	--	0.00	--	--	--	
Sump	5/19/2015	--	--	0.00	0.00	0.00	0.00	Bottom at 13.80'
Sump	1/6/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 13.80'
Sump	9/9/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	10/21/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	12/2/2016	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	2/24/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	4/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	7/21/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	10/20/2017	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	2/27/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	5/18/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	8/10/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	11/19/2018	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	3/15/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	6/14/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'
Sump	9/20/2019	--	--	0.00	0.00	0.00	0.00	Bottom at 14.00'

Notes:
fbtoc = feet below top of casing.
OBS = evidence of DNAPL observed but thickness not measured.
DTW = depth to water.
NB = not bailed
NM = not measured.

ARCADIS Design & Consultancy for natural and built assets

Table 10.
Proposed MW Sampling Locations
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Location ID Monitoring Wells	Unit Screened	Measuring Point (TOC) Elev. (ft. AMSL)	Ground Surface Elev. (ft. AMSL)	Depth to Screened Interval (from TOC)		Screen Length (ft.)	Well Diameter (in.)	Screen Type	Screen Slot Size (in.)
				Top	Bottom				
MW-1D	URC	700.07	698.0	15.0	21.5	6.5	2	SS	0.010
MW-5D	URC	690.35	687.7	17.7	22.7	5.0	2	SS	0.010
MW-8S	Alluvium	691.66	688.6	5.6	9.1	3.5	2	PVC	0.010
MW-9	Alluvium	701.33	698.4	6.0	11.0	5.0	2	PVC	0.010
MW-16S	Alluvium	695.12	691.9	6.5	9.5	3.0	2	PVC	0.010
MW-20S	Alluvium	691.16	690.8	4.4	5.4	1.0	2	PVC	0.010
MW-21S	Alluvium	688.99	686.8	5.2	6.2	1.0	2	PVC	0.010
MW-23D	URC	687.96	684.7	19.3	24.3	5.0	2	PVC	0.010
MW-28B	URC	692.28	688.9	21.1	26.1	5.0	2	PVC	0.010
MW-28C	LRC	692.71	689.5	28.9	38.9	10.0	2	PVC	0.010
MW-31A	URC	692.88	690.6	13.8	23.8	10.0	2	PVC	0.010
MW-32A	URC	690.51	687.3	24.2	27.2	3.0	2	PVC	0.010
MW-34A	URC	688.01	685.2	19.8	29.8	10.0	2	PVC	0.010
MW-35B	URC	706.37	703.1	27.2	30.2	3.0	2	PVC	0.010
MW-35C	LRC	706.38	703.1	34.7	48.2	13.5	2	PVC	0.010
MW-36A	URC	700.44	697.1	22.9	27.9	5.0	2	PVC	0.010
MW-38A	URC	700.99	698.2	27.8	32.8	5.0	2	PVC	0.010
MW-40A	LRC	694.36	692.1	31.3	46.3	15.0	2	PVC	0.010
MW-40C	URC	694.78	692.2	11.1	16.1	5.0	2	PVC	0.010
MW-45C	URC	700.59	698.4	14.2	24.2	10.0	2	PVC	0.010
MW-46A	URC	688.81	686.8	26.1	36.1	10.0	2	PVC	0.010
MW-47A	URC	683.38	680.8	22.6	32.6	10.0	2	PVC	0.010
MW-50B	LRC	697.54	698.0	44.5	54.5	10.0	2	PVC	0.010
P-4	Alluvium	695.06	691.1	2.5	6.0	3.5	2	PVC	0.010

Elevations given in feet above Mean Sea Level (ft. AMSL), relative to the North American Vertical Datum of 1988 (NAVD88).
Coordinates referenced to the Indiana State Plane West (1302) grid; except decommissioned wells, which are referenced to the 1929 National Geodetic \
Coordinates and elevations for all wells surveyed by Cripe Architects and Engineers, Indianapolis, IN.

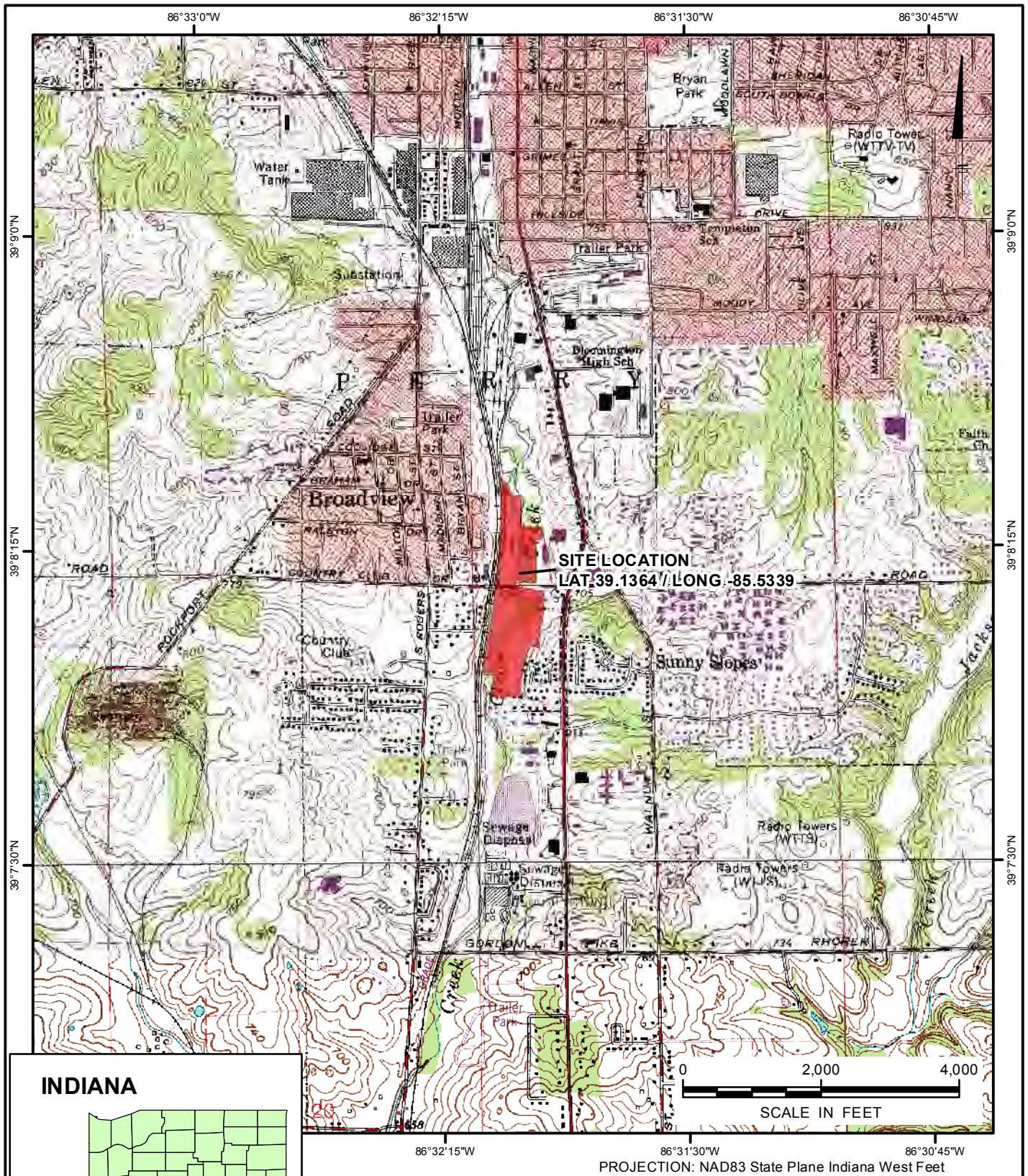
SS = stainless steel. PVC = polyvinyl chloride. TOC = top of well casing.
PVC = polyvinyl chlor URC = Upper Ramp Creek LRC = Lower Ramp Creek

ARCADIS Design & Consultancy for natural and built assets

Table 11.
Proposed Institutional Controls Parcel Information
CSX Transportation
Former Indiana Creosoting Company
Bloomington, Indiana

Address		Parcel Number	Owner Name	Owner Address
W.Walls Dr.	305	53-01-42-336-000.000-008	McClintock, Clovis D; Todd, Sherry; Labarr, Debra J	Same as Property Address
	306	53-08-17-100-032.000-008	Cree, R. Shane I & Inga	Same as Property Address
	410	53-08-17-100-018.000-008	Helms, Phyliss Ann	Same as Property Address
	420	53-08-17-100-019.000-008	Gingerich, Marilyn Margaret	Same as Property Address
	421	53-08-17-100-031.000-008	Ziegler, Carl H Rev Living Trust	7336 E. Kerr Creek Rd, Bloomington, IN 47403
	430	53-08-17-100-021.000-008	Burks, Richard E. & Betty J	Same as Property Address
	431	53-08-17-100-017.000-008	Malone, Ronald D. & Reva B.	Same as Property Address
S. Walls Dr.	2886	53-01-40-838-000.000-008	Charles Layne LLC	621 N. Walnut St, Bloomington, IN 47404
	2900	53-08-17-100-033.000-008	Sheck, Aaron D. & Lucrecia	Same as Property Address
	2903	53-01-40-873-000.000-008	Watts, Janet K.	Same as Property Address
	2904	53-08-17-100-013.000-008	Nentrup, Susan Jane	Same as Property Address
	2905	53-01-43-735-000.000-008	Richardson, Ricky W. & Margaret A.	Same as Property Address
	2907	53-01-40-613-000.000-008	Szakaly, Andrew & Nancy	PO Box 5021, Bloomington, IN 47407
	2908	53-08-17-100-012.000-008	Crane, Dave R	316 S. Rogers Street, Bloomington, IN 47403
	2909	53-01-40-892-000.000-008	Hacker, Joseph II	Same as Property Address
	2911	53-01-41-154-000.000-008	Wangle Properties LLC	1115 S. Longwood Drive, Bloomington, IN 47403
S. Rogers St.	2809	53-08-17-100-024.000-008	JTCT Investments LLC	2519 Summer Creek Dr, Bloomington, IN 47401
	2813	53-08-17-100-034.000-008	Hawley, Brad & Hawley, James	Same as Property Address
	2815	53-08-17-100-044.000-008	Kleinbauer, L. Mark & Susan	Same as Property Address
	2821	53-08-17-100-043.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2821	53-08-17-100-043.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2831	53-08-17-100-014.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2833	53-08-17-100-014.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2835	53-08-17-100-014.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2837	53-08-17-100-014.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2839	53-08-17-100-028.000-008	Rice, Wm. R. & Nancy C.	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2901	53-08-17-100-014.000-008	Rice Brothers Properties LLC	3801 W. Maple Leaf Dr, Bloomington, IN 47403
	2905	53-08-17-100-037.000-008	East, Jillian Emily	Same as Property Address
	2911	53-08-17-100-035.000-008	Moore, Kelly Ann	2293 Siebolt Quarry Rd, Bedford, IN 47421
	2913	53-08-17-100-016.000-008	Braunlin, Linda (Revocable Trust)	6465 W. Tarkington Ln, Bloomington, IN 47403
	2917	53-08-17-100-020.000-008	Larson, Sarah E & Michael J	Same as Property Address
	2921	53-08-17-100-030.000-008	Brown, Wendell L. & Joan L.	Same as Property Address
	2923	53-08-17-100-042.000-008	Hauk, Lawrence L.	Same as Property Address
	3009	53-01-41-358-000.000-008	Haley, Boyd L. & Patricia J. (Revocable Trust)	Same as Property Address
	3009	53-01-41-360-000.000-008	Haley, Boyd L. & Patricia J. (Revocable Trust)	Same as Property Address
	3009	53-01-41-362-000.000-008	Haley, Boyd L. & Patricia J. (Revocable Trust)	Same as Property Address
	3009	53-01-41-363-000.000-008	Haley, Boyd L. & Patricia J. (Revocable Trust)	Same as Property Address
	3009	53-08-16-200-053.000-008	Haley, Boyd L. & Patricia J. (Revocable Trust)	Same as Property Address
	--	53-08-17-100-029.000-008	Rice, James David & Janet Carol Ab Living Trust	3501 E. Winston St, Bloomington, IN 47401
S. Pinewood Dr.	--	53-08-16-200-068.000-009	Board of Commissioners of Monroe County	Courthouse Dr, Bloomington, IN 47404
W. Country Club Dr.	281	53-08-16-200-042.000-009	City of Bloomington, Indiana Boad of Park Commissioners	401 N. Morton St, Bloomington, IN 47404
	--	53-08-16-200-052.000-008	L&N Investment Corp.	C/o Seaborad System Railroad, 500 Water St, Rm 1208, Jacksonville, FL 32203
	--	53-08-16-200-063.000-008	L&N Investment Corp.	C/o Seaborad System Railroad, 500 Water St, Rm 1208, Jacksonville, FL 32203
	--	53-08-16-200-039.000-008	Indiana Limestone Acquisitions LLC	123 S. College Ave, Bloomington, IN 47404

Figures



INDIANA



PROJECTION: NAD83 State Plane Indiana West Feet

REFERENCE:
U.S.G.S. 7.5 Minute Series
Topographic Quadrangles:
Bloomington, Indiana 1977/1981,
Clear Creek, Indiana 1977/1981.
CONTOUR INTERVAL: 5 feet.

CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

REVISED REMEDIATION WORK PLAN

Site Location Map

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (-) PM: (S.SHARP) TM: (R.WOODRUFF) BY: BALTOM
PROJECT: IN000072 PATH: G:\GIS\CSX\IN_BLOOMINGTON\MAPDOCS\2016\CURRENT CONDITIONS\F1 IN072_CC REG.MXD SAVED: 6/2/2016

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (-) PM: (S.SHARP) TM: (R.WOODRUFF) BY: ACARLONE
PROJECT: IN000072 PATH: Z:\GISPROJECTS_ENV\CSX\IN_BLOOMINGTON\MAPDOCS\2016\CURRENT CONDITIONS\F2 IN072_CC SITE 201601.MXD SAVED: 1/30/2019

LEGEND

- Property Boundary
- Former Site Features
- Wetlands
- Creek Liner (2007)
- Interceptor Trench
- Monitor Well
- Monitor Well (abandoned)
- Recovery Well
- Pilot Hole (abandoned)
- Stream Gauge
- Sump

NOTES:
1) Grayed out numbers indicate that wells have been abandoned.
2) SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
3) PROJECTION: NAD83 State Plane Indiana West Feet.
4) AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).
5) CONTOURS: Monroe County GIS LiDAR (2010).

MW-49A MW-49B MW-49C MW-9 MW-1D MW-1S MW-11S MW-11D MW-10 CAMDEN DR. CREEK MW-P5 W. CARPENTER DR. WALL MW-P4 S. MADISON ST. ABANDONED TRACKS MW-P3 MW-2D MW-2S CLEAR MW-44A MW-40A MW-40B MW-40C OW-1 OW-3 OW-2 MW-P2 S. ROGERS ST. MW-14D MW-14S WALNUT STREET MW-16S MW-16D MW-12D MW-12S MW-29B MW-29A MW-P6 MW-35A MW-35C MW-35B RW-1 MW-31C MW-31A MW-31B SG-4 MW-15D MW-15S BRIDGE MW-3S MW-3D MW-P1 MW-20S MW-20D CITY WALK BRIDGE COUNTRY CLUB DRIVE MW-7D MW-7S MW-17S MW-17D MW-13 MW-25A RW-19 MW-18D MW-18S MW-21S MW-21D SG-3 MW-45A MW-45B MW-45C MW-8S MW-8D RW-3 MW-22D RW-16 MW-39A MW-39B RW-5 MW-42A MW-42B RW-7 MW-24A RW-2 RW-4 RW-6 COMMERCIAL WESTERN COMPOUND PH-01 MW-19S MW-19D PH-09 RW-17 (MW-27A) MW-23D MW-26A MW-4D MW-4S MW-55A MW-55B MW-38B MW-38A MW-38C MW-38D MW-41A MW-36B MW-36A MW-36C RW-15 LOT 1 MW-53A MW-53B SG-2 MW-30B MW-30A MW-5D MW-5S EASTERN COMPOUND PH-03 E. WALLS ST. MW-48A MW-48B RW-18 MW-54A MW-54B LOT 2 (CVS) RW-11 PH-11 RW-10 MW-6D MW-6S LOT 3 E. SUNNY S RW-12 Retention Pond MW-33A MW-33B MW-33C MW-51A MW-51B RW-8 LOT 4 RW-14 MW-34A RW-9 RW-13 SG-1 MW-28A MW-28C MW-28B MW-43A MW-37A MW-37B MW-37C MW-46A ACCESS ROAD MW-52A LIMESTONE DR. CHERRY ST. BROOKSIDE DR. MW-32B MW-32C MW-32A MW-50A MW-50B GATE HOOSIER ST. E. RIDGE MW-56A MW-56B PINEWOOD DR. MW-47A

0 250 500
SCALE IN FEET

Source: Esri, DigitalGlobe, Geo
AeroGRID, IGN, and the GIS Us

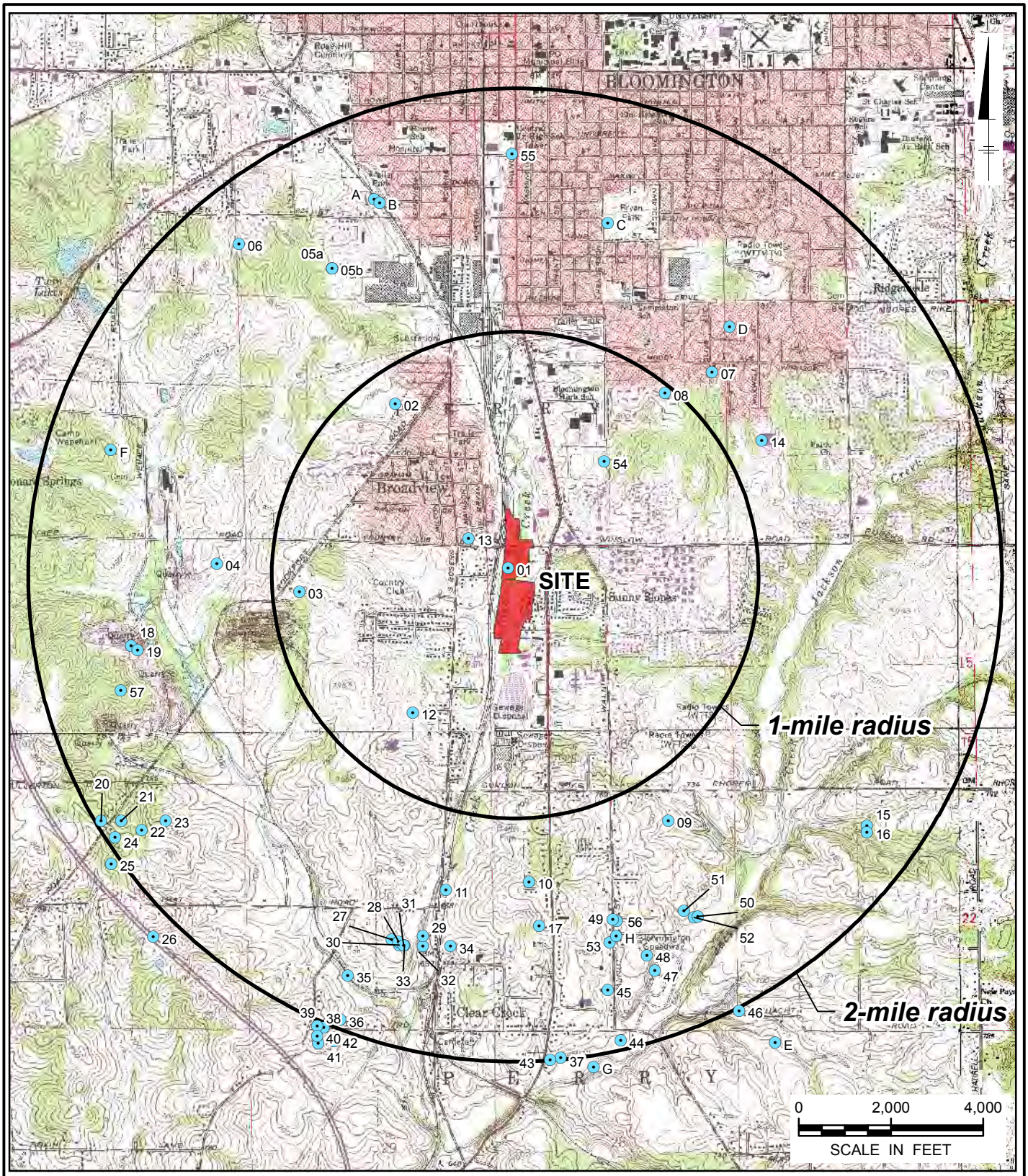
CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

REVISED REMEDIATION WORK PLAN

Site Map

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2



INDIANA



REFERENCE:
U.S.G.S. 7.5 Minute
Series Topographic Quadrangles:
Bloomington, Indiana 1992,
Clear Creek, Indiana 1992.

LEGEND

- Water Supply Well (IDNR 2020)

CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

REVISED REMEDIATION WORK PLAN

Public Water Supply Survey

ARCADIS

FIGURE
3

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (S.GLENN) PM: (S.SHARP) TM: (B.GRIGGS/R.WOODRUFF) BY: TJSCOTT
PROJECT: IN000072.0074 PATH: Z:\GISPROJECTS_ENV\CSX\IN_BLOOMINGTON\MAPDOCS\2020\F9 IN072_RISK PWS.MXD SAVED: 3/16/2020

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (-) PM: (S.SHARP) TM: (R.WOODRUFF) BY: ACARLONE
PROJECT: IN000072 PATH: Z:\GISPROJECTS_ENV\CSX\IN_BLOOMINGTON\MAPDOCS\2016\CURRENT CONDITIONS\F3 IN072_CC DNAPL THROUGH SPR2018.MXD SAVED: 4/15/2020

LEGEND

- Property Boundary
- Wetlands
- Creek Liner
- Pilot Hole Boring (abandoned)
- Recovery Well (Measureable DNAPL)
- Recovery Well (No Measureable DNAPL)
- Monitoring Well
- Monitoring Well (Historical DNAPL) - Sampled in 2018
- Monitoring Well (Historical Measureable DNAPL) - Sampled in 2018
- Monitoring Well (Measureable DNAPL) - Not Sampled in 2018
- Measured COC Concentration Groundwater Exceeds Industrial Closure Limits
- Measured COC Concentration Groundwater Exceeds Residential Closure Limits
- Measured COC concentrations are below Residential Cleanup Goals

NOTES:
1) In areas of tightly clustered data density, monitoring well locations have been offset for clarity.
2) Grayed out well numbers indicate well has been abandoned; analytical results from the well's last sampling event were utilized for the figure.
3) Figure reflects groundwater analytical data collected through Spring 2018.
4) All monitoring and recovery wells located north of Country Club Drive were sampled in July 2015.
5) Monitoring wells located on CSX property south of Country Club Drive, historically containing DNAPL, were not sampled in July 2015.

SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).
PROJECTION: NAD83 State Plane Indiana West Feet

MW-49A, MW-49B, MW-49C, MW-9, MW-1D, MW-1S, MW-11S, MW-11D, MW-10, CREEK, MW-P5, MW-P4, MW-P3, MW-2D, MW-2S, MW-44A, MW-40A, MW-40B, MW-40C, CLEAR, OW-1, OW-3, OW-2, MW-P2, MW-14D, MW-14S, MW-16S, MW-16D, MW-12D, MW-12S, MW-P6, MW-29B, MW-29A, MW-35A, MW-35C, MW-35B, RW-1, MW-31C, MW-31A, MW-31B, MW-15D, MW-15S, MW-3S, MW-3D, MW-P1, MW-20S, MW-20D, MW-7D, MW-7S, MW-17S, MW-17D, MW-13, MW-25A, RW-19, MW-21S, MW-21D, MW-18D, MW-18S, MW-8S, MW-8D, MW-39A, MW-39B, MW-45A, MW-45B, MW-45C, RW-3, MW-22D, RW-16, RW-5, MW-42A, MW-42B, RW-7, MW-24A, RW-2, RW-4, RW-6, RW-17 (MW-27A), PH-01, MW-19S, MW-19D, PH-09, MW-23D, MW-26A, MW-4D, MW-4S, MW-55A, MW-55B, MW-38B, MW-38C, MW-38A, MW-38D, MW-41A, MW-36B, MW-36A, MW-36C, RW-15, MW-53A, MW-53B, MW-30B, MW-30A, MW-5D, MW-5S, PH-03, MW-48A, MW-48B, RW-18, MW-54A, MW-54B, RW-11, PH-11, RW-10, MW-6D, MW-6S, RW-12, Retention Pond, MW-33A, MW-33B, MW-33C, MW-51A, MW-51B, RW-8, RW-14, MW-34A, RW-9, RW-13, MW-28A, MW-28C, MW-28B, MW-43A, MW-37A, MW-37B, MW-37C, MW-46A, MW-52A, MW-32B, MW-32C, MW-32A, MW-50A, MW-50B, MW-56A, MW-56B, MW-47A

0 250 500
SCALE IN FEET

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

CURRENT CONDITIONS REPORT

Distribution of Creosote with VOCs and SVOCs Groundwater Quality Summary Through Spring 2018

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) PIC: (-) PM: (S.SHARP) TM: (R.WOODRUFF) BY: TJSCOTT
PROJECT: IN000072 PATH: Z:\GISPROJECTS_ENV\CSX\IN_BLOOMINGTON\MAPDOCS\2020\F3_IN072_BENZENE_DNAPL_URC.MXD SAVED: 3/3/2020

LEGEND

- Monitoring Well
- Measured BTEX Concentration Groundwater Exceeds Industrial Closure Limits
- Measured BTEX concentrations are below Residential Cleanup Goals
- Measured BTEX Concentration Groundwater Exceeds Residential Closure Limits
- Recovery Well (Measurable DNAPL)
- Monitoring Well (Measurable DNAPL above Industrial Cleanup Goals)
- Monitoring Well (Measurable DNAPL above Residential Cleanup Goals)
- Monitoring Well (Historical Measurable DNAPL above Industrial Cleanup Goals)
- Monitoring Well (Historical Measurable DNAPL above Residential Cleanup Goals)
- Monitoring Well (Historical Measurable DNAPL below Residential Cleanup Goals)
- Recovery Well (No Measurable DNAPL)
- Property Boundary
- Wetlands
- Creek Liner
- Above Industrial Screening Levels (98.6 ug/L)
- Above Residential Screening Levels (5 ug/L)
- Proposed ERO Property Boundary

NOTES:
1) In areas of tightly clustered data density, monitoring well locations have been offset for clarity.
2) Grayed out well numbers indicate well has been abandoned; analytical results from the well's last sampling event were utilized for the figure.
3) Figure reflects groundwater analytical data collected through Spring 2018 and/or last sampling event for the location.
4) 1996 IDEM VRP Tier II Default Closure Levels.
5) Well Concentrations Are Noted Based Upon the Last Sampling Event for Each Well (VOCs Only)

SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).
PROJECTION: NAD83 State Plane Indiana West Feet

MW-49A MW-49B MW-49C MW-9 MW-1D MW-1S MW-11S MW-11D MW-10 CREEK MW-P5 MW-P4 MW-P3 MW-2D MW-2S MW-44A MW-40A MW-40B MW-40C CLEAR OW-3 MW-P2 OW-1 OW-2 MW-14D MW-14S MW-16S MW-16D MW-12D MW-P6 MW-12S MW-35A MW-35B MW-35C MW-29B MW-29A MW-15D RW-1 MW-31C MW-31B MW-31A MW-15S MW-7D MW-7S MW-3D MW-3S MW-P1 MW-13 MW-17S MW-17D MW-20S MW-20D MW-25A RW-19 MW-21D MW-21S MW-45A MW-45B MW-45C MW-18D MW-18S MW-8S MW-8D RW-3 RW-16 RW-5 MW-39A MW-39B MW-42A MW-42B MW-22D RW-4 MW-19D MW-19S RW-7 RW-2 RW-6 MW-24A PH-09 PH-01 MW-23D MW-55B MW-4D MW-4S MW-38B MW-38C MW-38A MW-38D MW-41A MW-26A MW-55A MW-36B MW-36A MW-36C RW-15 MW-30B MW-30A MW-5D MW-5S MW-53A MW-53B PH-03 MW-48A MW-48B RW-11 RW-18 MW-54A MW-54B PH-11 MW-6D MW-6S RW-10 RW-12 Retention Pond MW-33A MW-33B MW-33C RW-8 MW-34A MW-51A MW-51B RW-14 RW-9 RW-13 MW-28A MW-28C MW-28B MW-43A MW-37B MW-37C MW-37A MW-46A MW-52A MW-32B MW-32C MW-32A MW-50A MW-50B MW-56A MW-56B MW-47A

0 250 500
SCALE IN FEET

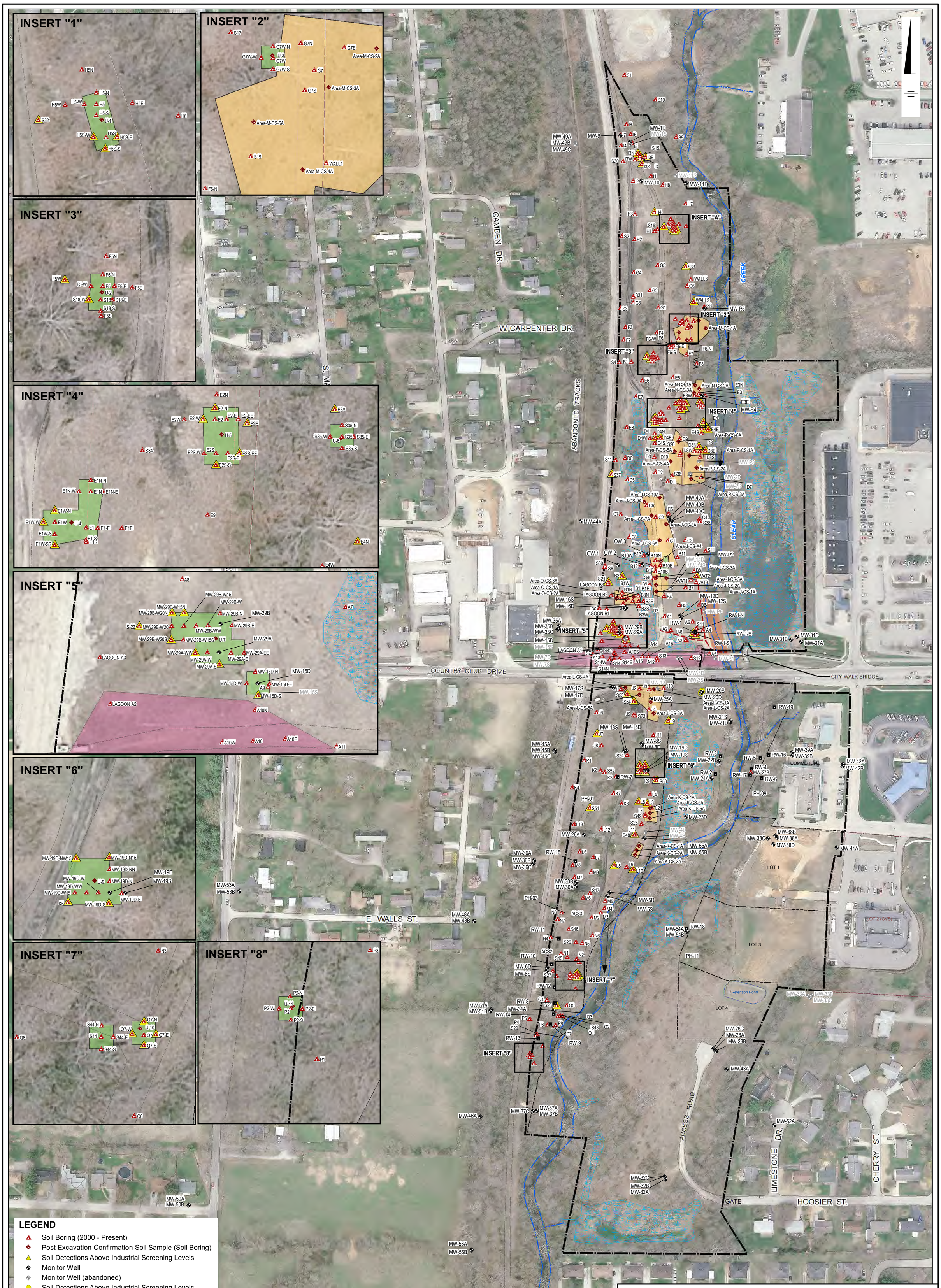
CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA
REVISED REMEDIATION WORK PLAN

Distribution of Benzene in the Bedrock

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (S.GLENN) PM: (S.SHARP) TM: (B.GRIGGS/R.WOODRUFF) BY: tjscott
PROJECT: IN000072.0074 PATH: Z:\GISProjects_ENV\CSX\IN_Bloomington\MapDocs\2020\F10 IN072_RISK SITE SBsSurface_SVOCs.mxd SAVED: 2/29/2020



LEGEND

- Soil Boring (2000 - Present)
- Post Excavation Confirmation Soil Sample (Soil Boring)
- Soil Detections Above Industrial Screening Levels
- Monitor Well
- Monitor Well (abandoned)
- Soil Detections Above Industrial Screening Levels
- Recovery Well
- Temporary Pilot Hole (Recovery Test Well)
- Interceptor Trench
- Property Boundary
- Wetlands
- Creek Liner (2007)
- Pedestrian Bridge Excavation Area (2006)
- Excavation Area (2011-2012)
- Excavation Area (2013)

NOTES:
1) Grayed out numbers indicate that wells have been abandoned.
2) SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
3) PROJECTION: NAD83 State Plane Indiana West Feet.
4) AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).

CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

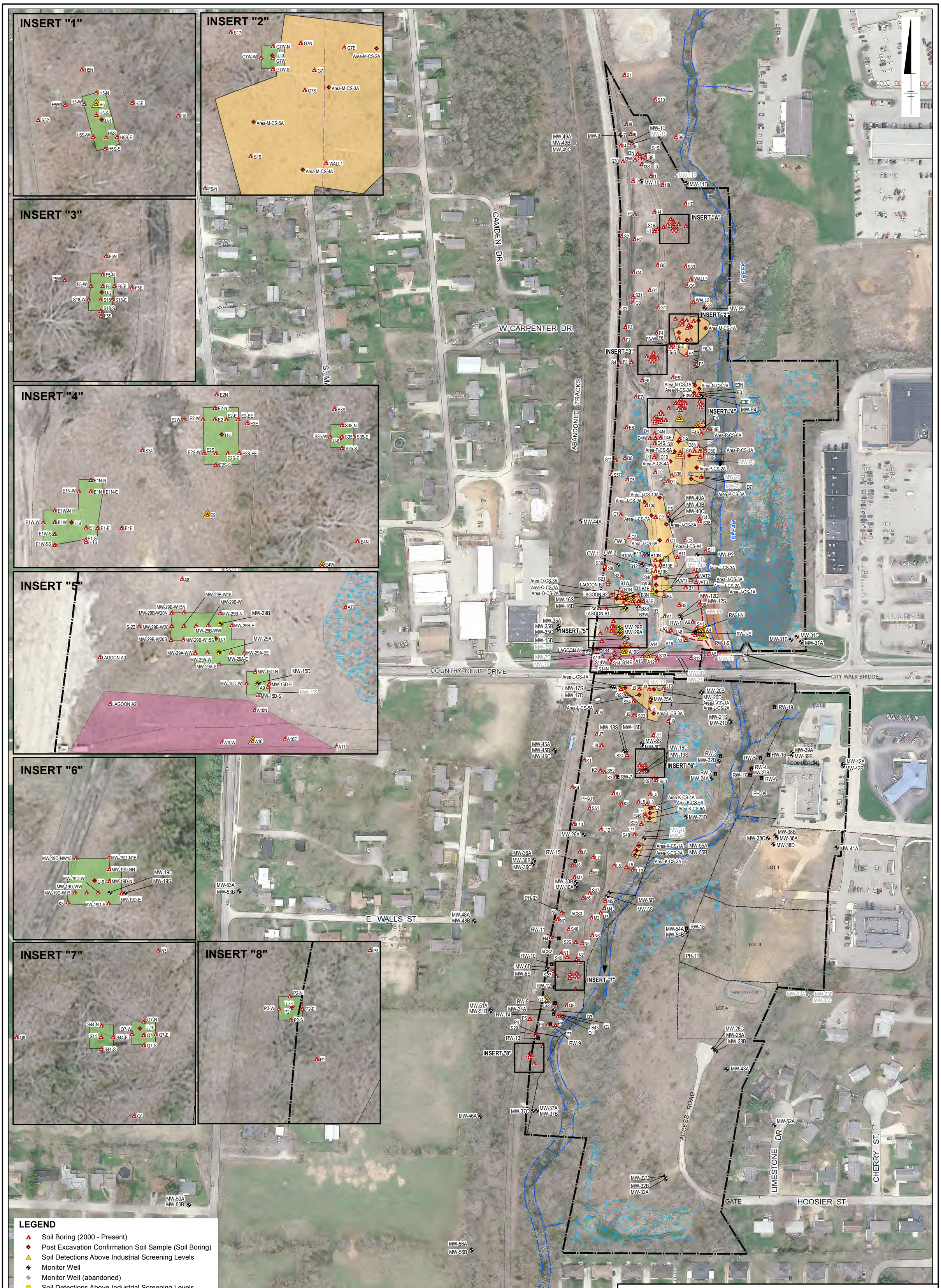
REVISED REMEDIATION WORK PLAN

Surface Soil Concentration Exceedance - SVOC Soil Borings (2000 to Present) and Excavation Areas (2006 to 2013) (0-2')

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FIGURE
6

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (S.GLENN) PM: (S.SHARP) TM: (B.GRIGGS/R.WOODRUFF) BY: tjscott
PROJECT: IN000072.0074 PATH: Z:\GISProjects_ENV\CSX\IN_Bloomington\MapDocs\2020\F10 IN072_RISK SITE SBsSubSurface_SVOCs.mxd SAVED: 2/29/2020



LEGEND

- Soil Boring (2000 - Present)
- Post Excavation Confirmation Soil Sample (Soil Boring)
- Soil Detections Above Industrial Screening Levels
- Monitor Well
- Monitor Well (abandoned)
- Soil Detections Above Industrial Screening Levels
- Recovery Well
- Temporary Pilot Hole (Recovery Test Well)
- Interceptor Trench
- Property Boundary
- Wetlands
- Creek Liner (2007)
- Pedestrian Bridge Excavation Area (2006)
- Excavation Area (2011-2012)
- Excavation Area (2013)

NOTES:
1) Grayed out numbers indicate that wells have been abandoned.
2) SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
3) PROJECTION: NAD83 State Plane Indiana West Feet.
4) AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).

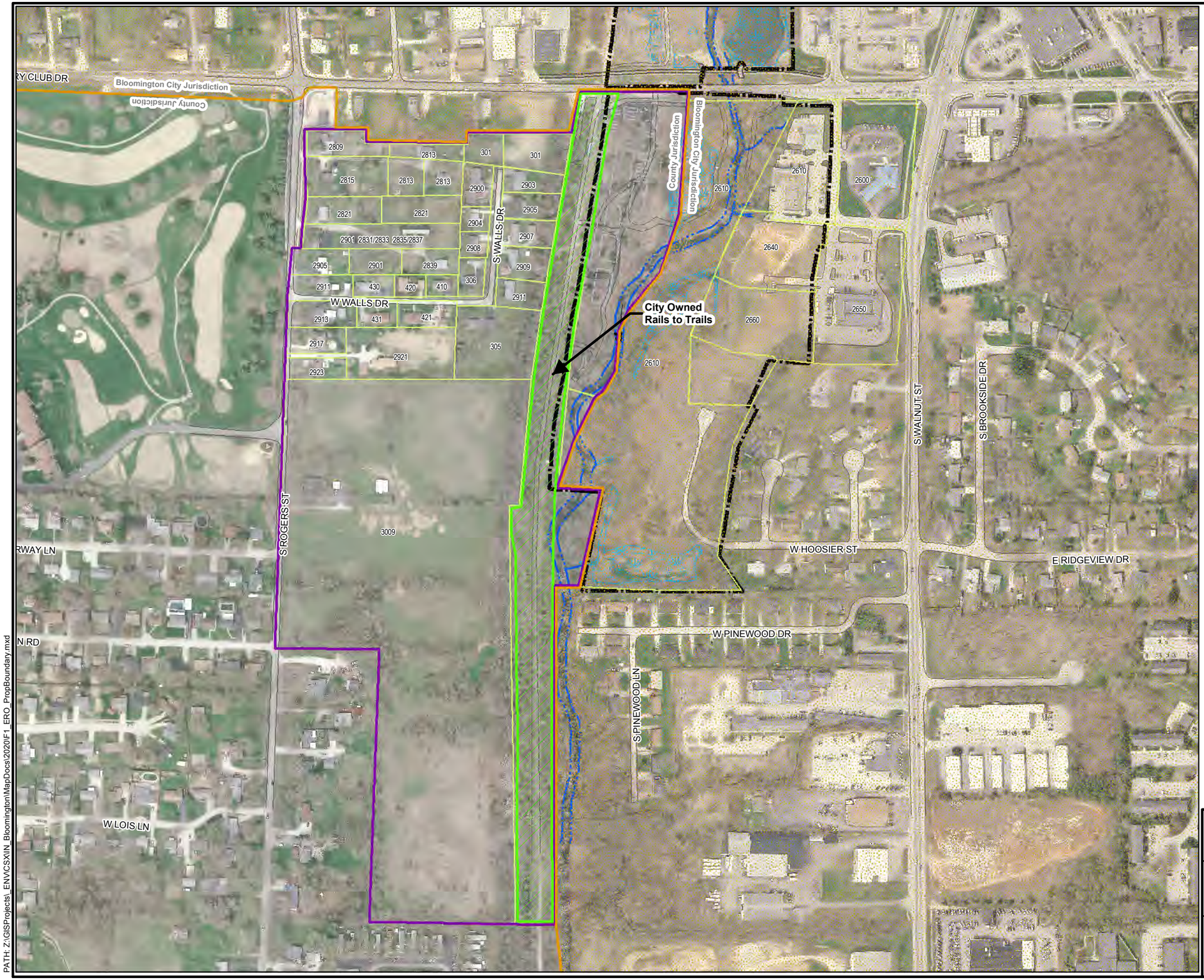
CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA

REVISED REMEDIATION WORK PLAN

Sub-Surface Soil Concentration Exceed - SVOC Soil Borings (2000 to Present) and Excavation Areas (2006 to 2013)

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FIGURE
7



LEGEND

- Site Boundary
- Wetlands
- City Owned Rails to Trails
- Bloomington City Jurisdiction
- Proposed ERO Property Boundary
- Parcel Boundary / Street Number

NOTES:

1. Street numbers were downloaded from http://bloomington.in.gov (April 2010).
2. All boundaries are approximated; not survey grade.

0 300 600

SCALE IN FEET

1 inch = 300 feet

AERIAL SOURE: http://www.indiana.edu/~gisdata (2010).
PROJECTION: NAD1983 State Plane Indiana West Feet

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REVISED REMEDIATION WORK PLAN

Area of Proposed Institutional Controls

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FIGURE
8

PATH: Z:\GISProjects_ENV\CSX\IN_Bloomington\MapDocs\2020\F1_ERO_PropBoundary.mxd

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) LD: (B.ALTOM) PIC: (-) PM: (S.SHARP) TM: (R.WOODRUFF) BY: TJSCOTT
PROJECT: IN000072 PATH: Z:\GISPROJECTS_ENV\CSX\IN_BLOOMINGTON\MAPDOCS\2020\F2 IN072_CC SITE 201601.MXD SAVED: 4/16/2020

LEGEND

- Property Boundary
- Former Site Features
- Wetlands
- Creek Liner (2007)
- Interceptor Trench
- Monitor Well
- Monitor Well (abandoned)
- Recovery Well
- Pilot Hole (abandoned)
- Stream Gauge
- Sump

NOTES:
1) Grayed out numbers indicate that wells have been abandoned.
2) SURVEY: Bledsoe Riggert & Guerrettaz, Inc. (November 2012).
3) PROJECTION: NAD83 State Plane Indiana West Feet.
4) AERIAL SOURCE: http://www.indiana.edu/~gisdata (2010).
5) CONTOURS: Monroe County GIS LiDAR (2010).
6) Highlighted wells denote quarterly monitoring well sampling locations.

MW-49A MW-49B MW-49C MW-9 MW-1D MW-1S MW-11S MW-11D MW-10 MW-P5 MW-P4 MW-P3 MW-2D MW-2S MW-40A MW-40B MW-40C MW-44A OW-1 OW-3 OW-2 MW-P2 MW-14D MW-14S MW-16S MW-16D MW-12D MW-12S MW-P6 MW-29B MW-29A MW-35A MW-35C MW-35B RW-1 MW-15D MW-15S SG-4 MW-31C MW-31A MW-31B MW-7D MW-7S MW-3S MW-3D MW-P1 BRIDGE MW-20S MW-20D MW-17S MW-17D MW-13 MW-25A RW-19 MW-18D MW-18S MW-21S MW-21D MW-8S MW-8D SG-3 MW-39A MW-39B MW-45A MW-45B MW-45C RW-3 MW-22D RW-16 RW-5 MW-42A MW-42B RW-4 RW-2 RW-6 MW-24A COMMERCIAL RW-7 RW-17 (MW-27A) MW-19S MW-19D PH-01 PH-09 MW-23D MW-4D MW-4S MW-38B MW-38A MW-38C MW-38D MW-26A MW-55A MW-55B MW-41A MW-36B MW-36A MW-36C RW-15 LOT 1 MW-53A MW-53B SG-2 MW-30B MW-30A MW-5D MW-5S PH-03 EASTERN COMPOUND MW-48A MW-48B RW-18 MW-54A MW-54B LOT 2 (CVS) RW-11 LOT 3 PH-11 RW-10 MW-6D MW-6S RW-12 Retention Pond MW-33A MW-33B MW-33C MW-51A MW-51B RW-8 RW-14 MW-34A LOT 4 RW-9 RW-13 SG-1 MW-28A MW-28C MW-28B MW-43A MW-37A MW-37B MW-37C MW-46A MW-52A MW-32B MW-32C MW-32A MW-50A MW-50B MW-56A MW-56B MW-47A

CREEK CLEAR WALL ABANDONED TRACKS

CAMDEN DR. W. CARPENTER DR. S. MADISON ST. S. ROGERS ST. E. WALLS ST. COUNTRY CLUB DRIVE WALNUT STREET CITY WALK BRIDGE ACCESS ROAD LIMESTONE DR. CHERRY ST. BROOKSIDE DR. GATE HOOSIER ST. E. RIDGE E. SUNNY S PINEWOOD DR.

WESTERN COMPOUND

0 250 500
SCALE IN FEET

CSX TRANSPORTATION, INC.
BLOOMINGTON, INDIANA
REVISED REMEDIATION WORK PLAN

Quarterly Groundwater Sampling Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9

Appendices

APPENDIX A

Geology and Hydrogeology Report (October 2011)

APPENDIX B

Screening-Level Ecological Risk Assessment Report for Clear Creek

(June 2011)

APPENDIX C

Limited Risk Assessment Report **(May 2015)**



APPENDIX D

***Current Conditions Report* (May 24, 2019)**

APPENDIX E

Current Conditions Report Comment Letter **(IDEM – July 25, 2019),**

Response to Current Conditions Comment Letter **(Arcadis – December 12, 2019),** ***Response to Comments*** **(IDEM – January 24, 2020)**

APPENDIX F

Quality Assurance Project Plan – SGS North America, Inc.

APPENDIX G

DNAPL Recovery Graphs (through December 2019)

APPENDIX H

Vapor Intrusion Lab Data – IDEM Request (November 2010)

APPENDIX I

Groundwater Sampling Analytical Data (December 2019/January 2020)

APPENDIX J

Site Specific Health and Safety Plan (updated March 2020)

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