



VOLUNTARY REMEDIATION INVESTIGATION WORK PLAN

**FORMER HARMAN-BECKER AUTOMOTIVE SYSTEMS, INC.
1201 SOUTH OHIO ST., MARTINSVILLE, INDIANA 46151
IDEM VOLUNTARY REMEDIATION PROGRAM SITE #6170501
SESCO GROUP PROJECT #3872**

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January 11, 2021



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Executive Summary

SESCO Group has prepared this *Voluntary Remediation Investigation Work Plan* (“*VRWIP*”) on behalf of the ERG Martinsville, LLC for the former Harman-Becker facility located in Martinsville, Indiana (“*Site*”). This work is being performed under the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program Site #6170501.

The Site is located at 1201 S. Ohio Street, Martinsville, Morgan County, Indiana on the southeast side of Martinsville. The Site consists of one (1) parcel (Parcel 55-13-04-490-002.000-021) totaling approximately 25.1-acres, owned by For Bare Feet Inc. for the manufacture of sportswear. The Site is developed with one (1) 197,739-square-foot industrial building located on the western portion of the Site with parking lots to the north, south, and east. The Site is also improved with a 17,500-square foot outbuilding located northwest of the main building.

Subsurface conditions consist of predominantly silt and clay to a depth of about 10 feet below ground surface (bgs). This is underlain by approximately 60 to 90 feet of sand and gravel that rests on shale bedrock. The water table is approximately 10 feet bgs, and the sand and gravel form an aquifer with flow from east to west beneath the Site.

The Site has reportedly been industrially developed since the early 1950s with past uses that include a slaughter house, the manufacture of aluminum consumer products, aircraft parts, residential cabinetry, and automotive audio speakers. As previously mentioned, the Site is currently used to manufacture sportswear / socks. Some of the historic manufacturing operations included the use of chlorinated volatile organic compounds (VOCs), primarily tetrachloroethene (PCE).

Previous investigation and remediation efforts were conducted at the Site from 1995-2010; however, the investigations and remedial actions have generally been focused on specific locations, environmental media, and exposure pathways at different times verses Site-wide and simultaneous. The size of the plume, coupled with the complexity of the exposure pathways results in a conceptual site model that requires a comprehensive and structured monitoring program to evaluate seasonal fluctuations and plume behavior. Although Site characterization conducted to-date has determined subsurface geologic characteristics and defined the overall nature and extent of impacts to soil, the nature and extent of impacts to groundwater require additional investigation to close data gaps and complete off-Site groundwater plume delineation horizontally and vertically.

The primary source of PCE impacts is associated with a former drum storage area in the area referred to as the “east parking lot”. In addition, a second PCE source area was suspected in the southwest corner of the building. Given the size of the plume, historic uses, preferential pathways, etc., identifying specific source areas verses areas containing degradation products and/or influenced by preferential pathways is challenging at best.

Recent groundwater sampling completed in 2016 and 2017 reported dissolved concentrations of PCE, trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cDCE), and 1,1-dichloroethene (DCE) in groundwater samples collected and analyzed from both on and off-Site groundwater monitoring wells. Although other VOCs were detected, the above listed constituents were detected at concentrations exceeding either/or the IDEM Remediation Closure Guide (RCG) Groundwater Tap Residential Screening Level (RSL), Residential Vapor Exposure, and/or Commercial/Industrial Vapor Exposure Groundwater Screening Levels (VEGWSLs). The groundwater impacts extend over 5,000-feet west of the Site and appear to have reached a steady-state equilibrium. Given the age of the dissolved plume (likely 50 years in age), combined with the Site's hydrogeological setting, significant seasonal fluctuations of contaminant concentrations are not suspected.

Soil impacts are limited in concentration and appear to remain below on-Site pavement or the manufacturing building floor on the Site. Groundwater impacts extend off-Site to the west in the direction of groundwater flow beneath an area of mixed commercial and residential property approximately parallel and beneath Poston Road. The western edge of the VOCs extends beneath farmland in the White River floodplain to the west of the City. VOCs are found near the water table immediately west of the Site, but a wedge of clean groundwater forms above the VOCs as precipitation infiltrates to the water table. Several years of historical remedial actions have included air sparging and vapor extraction along the north side of the manufacturing building, engineered enhanced *in situ* reductive de-chlorination in the primary PCE release area referred to as the "eastern parking lot, and air sparging and vapor extraction of groundwater leaving the plant area.

Twenty-three (23) residential wells have reportedly been identified in the general vicinity of the VOCs leaving the Site in groundwater. Twelve (12) of these wells have reported total depths of 20 feet bgs, two (2) have total depths between 22-24 feet bgs, one (1) well is reportedly set at 115 feet bgs, and the remaining total depths are unknown. According to a *Remediation Work Plan (RWP)* prepared by ReSolution Partners, LLC in April 2014 (VFC# 80011737), as part of Site investigations being performed under the IDEM State Cleanup Program (SCP), all of the residential wells are used for non-potable purposes with the exception of "Well #1" located at 309 W. Poston Road, approximately 4,500 feet west of the Site. The 2014 *RWP* (VFC# 80011737), states there are no known potable water-supply wells affected by the VOCs in the groundwater.

Due to the volatile nature of PCE and its breakdown products to off-gas into the unsaturated soil, assessment to determine the potential for vapor intrusion (VI) has been conducted both on-Site and off-Site by others. The on-Site VI pathway has reportedly been determined to be complete, but does not present any unacceptable risk to human health, even when a previously installed subsurface vapor mitigation system is not operating.

Off-site VI investigation evaluations conducted to-date have also found the VI pathway to be complete. Vapor mitigation systems (VMS) were reportedly installed by others in seven (7) residential homes located downgradient (west) of the Site in February-March 2009.

Following installation of the VMSs, several summer & winter paired vapor intrusion investigations were completed between 2010 to 2012 inside these homes, in addition to several others in the same general area. Concentrations of PCE and TCE were not detected inside the homes when the VMSs were operating.

The focus of this *VRWIP* is to detail additional Site characterization, which will occur in a phased approach with the first phase concentrated on impact delineation downgradient of the Harman-Becker facility. The first phase of investigation will identify permanent well locations north and south of the suspected plume location based on groundwater GW data collected by others in 2016/2017 and/or known or suspected plume location. New well locations will be determined by the collection of “grab” groundwater samples at various depths and locations to identify well screen placement. In addition, the *VRWIP* includes replacing key downgradient wells that have been destroyed during road construction, snowplows, ROW improvements, etc.

In order to identify and access the existing monitoring well network, determine potential data gaps, and develop an investigation work plan to address the data gaps, SESCO mobilized to the Site in November 2019 and January 2020 to locate, inspect, and gauge the groundwater monitoring well network proposed in the 2016 *Groundwater Sampling & Analysis Plan* prepared by ReSolution Partners in addition to several wells IDEM requested be included. Based on this evaluation, SESCO verbally proposed an investigative approach to IDEM in February 2020 to complete groundwater delineation. Following several discussions, the enclosed *VRWIP* was agreed upon that primarily focuses on delineating groundwater impacts off-Site, in the commercial and residential areas located west of the Site.

Following new/replacement well installation, SESCO will remobilize to the Site to sample both the newly installed wells and existing wells previously agreed upon by IDEM. Once IDEM and SESCO agree that the plume is adequately delineated, SESCO and IDEM will discuss the need for additional investigation inside the plume boundaries, in or near likely source areas, potentially including inside the Harman-Becker plant and the “eastern parking lot”. It is anticipated that at the conclusion of proposed Site characterization activities, data acquired will support the development of a Remedial Work Plan.

1.0 Introduction

SESCO Group has prepared this *Voluntary Remediation Investigation Work Plan* (“*VRiWP*”) on behalf of the ERG Martinsville I, LLC for the former Harman-Becker facility located in Martinsville, Indiana (“*Site*”). This work is being performed under the IDEM Voluntary Remediation Program Site #6170501.

The *Site* is located at 1201 S. Ohio Street, Martinsville, Morgan County, Indiana on the southeast side of Martinsville. The *Site* consists of one (1) parcel (Parcel 55-13-04-490-002.000-021) totaling approximately 25.1-acres, owned by For Bare Feet Inc. for the manufacture of sportswear. The *Site* is developed with one (1) 197,739-square-foot industrial building located on the western portion of the *Site* with parking lots to the north, south, and east. There are no basements or underground structures. The *Site* is also improved with a 17,500-square foot 3-sided outbuilding located northwest of the main building.

A *Remediation Work Plan (RWP)* was prepared by ReSolution Partners, LLC in April 2014 (VFC# 80011737) as part of *Site* investigations being performed under the IDEM State Cleanup Program (SCP). According to the *RWP*, the *Site* was historically occupied by a slaughterhouse and manufacturing facilities since the early 1950s to present. Several past operations at the *Site* included use of PCE and ketones as part of the manufacturing of colored aluminum consumer products, aircraft engines, residential cabinetry, and automotive audio speakers. Environmental investigations beginning in approximately 1988 have identified the presence of VOCs in soil and groundwater, including ketones and chlorinated ethenes—primarily PCE and its degradation products. Several investigations and remedial actions have been completed over the last 24 years to address groundwater and vapor intrusion. These activities culminate in this *VRiWP*.

The *VRiWP* scope and content is guided by the IDEM, including the *RCG* guidance document, dated March 22, 2012, with yearly updates through 2020.

2.0 Investigation Objectives

2.1 VRI Work Plan Objectives

The goal of the *VRiWP* is to complete delineation of chlorinated VOC impacts to groundwater originating from the former Harman-Becker facility.

According to the 2014 *RWP*, three (3) groundwater plumes have been identified at the *Site*, which co-mingle and migrate to the west. The plumes are referred to as the north (shallow) plume that originates in the East Parking Lot area; the central (deep) plume which originates beneath the building; and the southern (shallow) plume that begins near the southwest corner of the *Site* building. Chlorinated VOCs are present in the plumes exceeding *RCG* Residential Tap Water screening levels over 5,000-feet west of the *Site*. Concentrations on-*Site* and properties to the west also exceed the *RCG* Residential Vapor Exposure Groundwater screening levels, and/or Commercial/Industrial Vapor Exposure Groundwater screening levels for several cVOCs.

2.2 Historic Remediation Activities

Several years of historical remedial actions have included air sparging and vapor extraction along the north side of the manufacturing building, engineered enhanced in-situ reductive de-chlorination in the primary PCE release area referred to as the “eastern parking lot”, and air sparging and vapor extraction of groundwater leaving the plant area along the west side of the Site.

Historical remedial actions have substantially reduced the concentrations of VOCs in on-Site groundwater. However, residual VOC concentrations above RCG risk-based screening levels remain in groundwater (2016/2017). Groundwater flow over the approximately 50 years since the potential earliest release of VOCs to the environment has resulted in VOC migration for a distance of at least 5,000 feet from the Site, crossing the City of Martinsville to undeveloped farmland between the City and the White River. Potential exposure pathways by ingestion of groundwater were investigated in 2011 by SESCO and presented in a *Further Site Investigation Report* (FSI) July 8, 2011 (VFC# 68298934). According to the 2011 report, exposure pathways by ingestion were not present at that time.

Modeling and perhaps more importantly, recent (2016/2017) groundwater sampling results suggest the plume has reached an approximate steady-state with respect to migration. Natural attenuation processes are reducing the concentrations of VOCs in groundwater with a glide-path towards the RCG screening levels in the deep plume and the southern shallow plume.

According to a theory presented by ReSolution Partners in their 2014 *RWP*, the groundwater monitoring data suggest that residual VOCs may be found in soil beneath the southeast corner of the plant. There is a potential for worker exposure if there are excavations below the plant.

Off-Site VI investigation evaluations conducted to-date have found the VI pathway to be complete. Vapor mitigation systems (VMS) were reportedly installed by a previous consultant in seven (7) residential homes located downgradient (west) of the Site in February-March 2009. Following installation of the VMS, several years of paired vapor intrusion investigations were completed inside these homes, in addition to several others in the same general area. Concentrations of PCE and TCE were not detected inside the homes when the VMSs were operating. On-Site vapor intrusion studies in 2013 found no exceedances of default commercial/industrial screening levels when the on-Site mitigation system was turned off.

3.0 Background

3.1 Site Information

3.1.1 Location, Ownership, and Contacts

The Site is located at 1201 South Ohio Street, Martinsville, Morgan County, Indiana (T11N, R1E, Sec. 4; Lat. 39.414894, Long. 86.421096). The facility has been owned by For Bare Feet, Inc. since February 2014 when it began operations for the production of sportswear (athletic socks primarily). A list of contacts for the Site project is provided here:

Site Owner:

Kelly Baugh, President
Derrick Raymer, Director of Operations, For Bare Feet, Inc.
1201 South Ohio Street
Martinsville, IN 46151

Responsible Party (RP) for Remedial Action:

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Indianapolis, IN 46204

3.1.2 Facility Operational History

Cities Service Oil Company reportedly acquired the Site in 1948. Known industrial operations on the Site began in the mid-1950's. Heritage Environmental Services (HES, October 1995) noted that the Site has been occupied by a slaughterhouse and several manufacturing operations since the early 1950's as follows:

Unidentified slaughter house	late 1940's or early 1950's
Basco Aluminum	1955 (colored aluminum consumer products)

Twigg Corporation	1960 (aircraft engines)
Altamil Cabinet	1973 (residential cabinetry)
Essex Group, Inc. (UTC)	October 1975 (automotive and cabinet audio speakers)
Harman-Motive, Inc.	July 1981 (automotive audio speakers)
Harman-Becker Automotive	2007 (automotive audio speakers) Systems, Inc.
ERG	October 2009 (no use of the facility)
Wal Mart, Inc.	June 2010 (warehouse)
T. S. Magnuson, Inc.	November 2010 (sportswear)
For Bare Feet, Inc.	January 2014 (sportswear)

ERG Martinsville I, LLC purchased the property in October 2009 and maintains the responsibility for the remediation of historical environmental conditions.

Heritage (October 1995) notes that Harman-Motive used ketones in the manufacturing of automotive audio speakers, however chlorinated solvents were not used. Heritage (October 2003) states that the Twigg Corporation used the eastern portions of the Site for the storage of as many as 500 drums that may have contained chlorinated ethenes. This area is also referred to as the “Eastern Parking Lot” and is the primary source of groundwater impacts at this Site.

Oversight of the remediation of the Site by the IDEM State Cleanup Section began in 1996 under IDEM Site #1996-06-183. In 2017, the Site was transferred into the IDEM Voluntary Remediation Program as Site #6170501

3.2 Hydrogeologic Setting

According to the 2014 *RWP* prepared by ReSolution Partners, LLC, Site hydrogeologic characterizations have previously been prepared by Heritage Environmental Services (HES, October 1995), SESCO in July 2011, and by Bruce Carter & Associates, Inc. (BCA, October 2011) for the adjacent Twigg Corporation facility. The findings of these documents are summarized in the following paragraphs. According to the files, the regional hydrogeologic characterization in the area of Martinsville was prepared by Wittman Hydro Planning Associates, Inc. (Wittman, November 2004) and Hydrophase, Inc. (Hydrophase, March 2005).

3.2.1 Geology

Bedrock below the area consists of poorly permeable siltstone and shale with minor sandstone and limestone units of the 500- to 800-foot thick Mississippian Borden Group. The rock dips toward the center of the Illinois Basin to the southwest. The upper 150 feet of the bedrock can be sufficiently weathered to serve as a water-supply aquifer when glacial outwash is not present.

The Site is just to the south of the furthest extent of glacial advances approximately 15,000 to 20,000 years ago. Melt waters from the retreat of this glacier and subsequent glaciers that stopped further to the north carved a large valley into the bedrock, which is followed by today’s White River. Regionally, the valley was filled

with sand and gravel that was washed southward from the melting glaciers. Lenses of clay can be found interbedded with the sand and gravel, especially near the base of the deposits. The valley can be up to four (4) miles wide and the deposited sand and gravel can be up to 120 feet deep. The sand and gravel deposits are the primary water- supply aquifers in the region when present.

The geology below the Site and extending approximately 5,000 feet west-southwest (downgradient) of the Site was defined by multiple subsurface investigations that included soil borings completed to the bedrock surface and the installation of approximately 56 wells on-Site and approximately 50 wells off-Site. Many of these groundwater monitoring wells extended to the unconsolidated-bedrock interface beneath the Site and along the migration pathway of the impacts. Additional investigations completed by Eco-Innovators in January and February 2013 included the installation of nine (9) off-Site CMT wells to bedrock. Each CMT well contains three (3) to four (4) screened intervals that are all located within the 2-inch well in a circular pattern. The diameter of each CMT channel is approximately the width of a #2 pencil. Locations for off-Site borings, monitoring wells, and residential wells are provided on **Figures 1-A through 1-C, Appendix 2**. As summarized in the 2014 *RWP*, several units were identified from bottom to top in the off-site borings as follows:

- Unit 5: Is stiff clay to very hard weathered shale found at depths of approximately 95 feet bgs, at an elevation of 500 to 510 feet mean sea level (MSL). The western-most boring (CMT-A) has the clay appearing at a shallower depth of 63 ft bgs or elevation of 532 ft MSL. This results in a thinning of the overlying units that form an unconfined aquifer across the Site.
- Unit 4: Is a fine to coarse, generally well-graded sand with a trace of silt and varying amounts of gravel, from a trace of gravel to gravelly overlies the shale at a thickness between 15 to 25 feet. A grain-size analysis contained 22 percent gravel, 74 percent sand, and 4 percent silt and clay (SESCO *FSI*, July 2011). One (1) test for total organic carbon (defined as loss on ignition) yielded a value of 0.048 percent.
- Unit 3: Is fine to coarse poorly- to well-graded sand with a trace of silt, and occasional clayey layers.
- Unit 2: Approximately 4,000 feet west of the Site, the geology between approximately 15 to 70 feet bgs is predominantly fine to coarse poorly- to well- graded sand with a trace of silt and varying amounts of gravel; from no gravel to gravelly, with occasional thin lenses of silt.
- Unit 2a: Beyond 4,000 feet of the Site, the unit appears to converge with Unit 4 (described above) to an alternating fine to coarse poorly- to well-graded sand; and fine to coarse well-graded gravel, all with a trace of silt. Three (3) grain-size analyses contained from 0 to 12 percent gravel, 85 to 97 percent sand, and 3 to 12 percent silt and clay (SESCO *FSI*, July 2011).

Investigations at the nearby Twigg Corporation found the hydraulic conductivity of the unit to range from 2.6×10^{-3} to 1.3×10^{-1} cm/s with a geometric mean value of 1.9×10^{-2} cm/s (BCA, October 2011).

- Unit 1: The uppermost unit above the sand and gravel outwash deposits is a mantel of less permeable clay, silt, clayey sand, silty sand and fine to medium poorly- to well-graded sand. The sandy zones have no to some silt and occasionally have a trace of gravel. The surface, 1 to 1.5 feet, occasionally has gravelly fill. The unit tends to thin and have a higher clay concentration to the west. This uppermost geologic unit is from 15 to 25 feet thick.

3.2.2 Hydrogeology

The glacial outwash sands and gravels in the Martinsville area form the primary aquifer for the White River floodplain (White River aquifer system) (Hydrophase, March 2005). The aquifer is generally confined upgradient of CMT-B by the silty and clayey sand of Unit 1, where Unit 1 thins. The aquifer is generally 100 feet thick and is underlain by relatively impermeable rock of the Borden Group (Wittman, November 2004). The aquifer has a production potential of 100 to 2,000 gpm (Hydrophase, March 2005).

3.3 Surface Water

The Site and the City of Martinsville lies in the lower end of the Upper White River Watershed (USGS Cataloging Unit: 05120201), where the water in the floodplain flows to the White River. The White River lies between 2,500 to 7,700 feet west of the Martinsville city limits and lies more approximately 11,000 feet west of the Site, where the river flows to the south-southwest.

Indian Creek is a tributary to the White River and lies approximately 6,500 feet south of the Site and south of Highway 37, where Indian Creek flows to the west. Indian Creek joins the White River approximately 18,000 feet southwest of the Site.

The Site contains a relatively small retention pond to the east of the building, south of the Eastern Parking lot, along Harman Becker Drive. The pond is approximately 80-100 feet long north-south and 30-40 feet wide, surrounded by vegetation.

3.4 Groundwater Use

3.4.1 Municipal Wells

According to the IDEM Source Water Proximity tool, December 24, 2020, the Site is not located within a Wellhead Protection Area.

The Martinsville Water Utility well field (municipal wells #3, #4 and #5, located approximately one mile northwest of the Site at 410 W. Cunningham Street in Martinsville) produced an average of 635,000 gallons per day from the unconfined

glacial outwash sand and gravel aquifer between 1996 and 2000 (Wittman, November 2004). The wells draw from the groundwater at approximately 60 feet below the ground surface and draw from an area of several hundred acres (City of Martinsville, 2011). The well field is approximately 6,500 feet to the northwest of the facility and 6,300 feet from the closest edge of the VOC plume from the Site. The wells are not downgradient of the Site.

According to Indiana Public Media (October 2012), the wells have historically been contaminated with PCE from a dry cleaner site (the Master Ware facility) approximately ½ mile southeast of the well field (Wittman, 2004). The City has utilized activated carbon filters since 2005 to bring the PCE levels to 1 µg/L or less.

3.4.2 Private Wells

Twenty-three (23) residential wells are identified in the general vicinity of the VOCs leaving the Site in groundwater. The locations and depths of these wells are as follows:

Home Owner (2014)	Address in Martinsville	Well Depth (feet)
Stierwalt	1240 S. Ohio St. Well #1	24
	1240 S. Ohio St. Well #2	22
Hacker	309 W. Poston Rd. Well #1	115
	309 W. Poston Rd. Well #2	not known
Turney	340 West Poston Road	not known
Bolin	409 West Poston Road	not known
Manley	1430 RJ Boulevard	not known
Williams	1440 RJ Boulevard	not known
Pottorff	809 Hacker Drive	20
Haywood	810 Hacker Drive	20
Dunham	839 Hacker Drive	20
Barrett	859 Hacker Drive	20
Seger	860 Hacker Drive	20
Hubble	889 Hacker Drive	20
Vest	909 Hacker Drive	20
Mathews	939 Hacker Drive	20
Hacker	940 Hacker Drive	not known
Wolfla	959 Hacker Drive	20
Applegate	989 Hacker Drive	not known
O'Dell	1009 Hacker Drive	not known
Hodges	1010 Hacker Drive	20
Meadows	1020 Hacker Drive	20
Bennett	1040 Hacker Drive	20

SESCO has previously noted that the wells at 1201 South Ohio Street, and at 340 and 409 W. Poston Road are used for non-potable purposes; and Eco-Innovators has stated that the Hacker Drive wells are all used for non-potable purposes. The wells on 1430 and 1440 RJ Boulevard are for non-potable uses. The well at 1430 was not operational in 2011 and the homeowner at 1440 did not allow access for sampling. Well #1 on 309 W. Poston Road is used for potable water supply and Well #2 is reportedly no longer functional.

4.0 Summary of Site Investigations and Results

Historical Site investigations are summarized here with documentation references and IDEM VFC report numbers provided in **Section 13.0**. The locations of the current monitoring well network are provided on **Figures 1A, 1B and 1C**.

In January 1988, the U.S. EPA completed an inspection of the Site (Ecology and Environment, January 1989) in response to off-Site discharges from a Site wastewater lagoon noted in 1977. Wastewater was diverted to the Martinsville sanitary sewer, the lagoon was dredged in 1977 or 1978, and the soil was removed from the Site. The lagoon continued to receive non-contact cooling water. Several soil and sediment samples related to the discharge and one groundwater sample from the Site's non-potable, 125-foot deep water-supply well were collected.

In April 1995, Harman-Motive reported to IDEM that Engineering and Testing Services (ETS) had discovered evidence of VOC contamination in soil during the course of completing geotechnical soil borings. In response, nine (9) soil borings were advanced, from which soil samples and two (2) groundwater samples were collected to investigate the VOC occurrence. No laboratory reports or boring information were provided with the letter. Aboveground storage tanks with secondary containment held ketones [acetone and methyl ethyl ketone (MEK)] until 1992 when the tanks were removed. The letter noted that additional investigations would follow.

HES completed a hydrogeologic assessment in October 1995. HES interviews with facility personnel and aerial photograph review found that Twigg had staged drummed PCE waste in an unpaved area on the east side of the plant (the "East Parking Lot Area"). HES completed investigations at the East Parking Lot in 2003 (HES, October 2003), where 40 soil borings (B-35 through B-74) were installed. Most borings were completed to depths of 12 feet and two (2) were completed to 50 feet. Soil samples were collected between depths of two (2) to eight (8) feet from the liners used during the direct-push boring installation. Groundwater samples were collected using Geoprobe® screen-point tooling and check-valve equipped polyethylene tubing between depths of eight (8) to 12 feet. Samples were analyzed by U.S. EPA SW-846 Method 8260B.

Keramida Environmental, Inc., (Keramida) performed investigative work for the Site beginning in 2004 through July 2009, including a *Microcosm Study* (Keramida, December 2004), a *Reductive Dechlorination Field Pilot Test* (Keramida, March 2005), a *Reductive Dechlorination Work Plan* (Keramida, June 2005), a *Remediation System Startup and*

Evaluation Report (Keramida, July 2008), and three (3) *Remediation System Evaluation Reports* (Keramida, September 2008, 4 June 2009 and 14 June 2009). Keramida installed on-Site pilot test wells PT-1 through PT-3 and sampled various on- and off-Site wells during their investigative work utilizing low-flow sampling techniques, and employed HES to analyze the samples for VOCs using SW846-Method 8260B (Keramida, June 2009).

SESCO conducted a Further Site Investigation in 2010 (SESCO, *FSI* July 2011), including the advancement of 71 borings and 40 monitoring wells. All the wells were installed with a 10-foot screen. Of these, borings B-75 to B-88, B-90, B-92, B-93, B-95, B-97 to B-105, B-107 to B-112, B-116 to B-121; and the monitoring wells MW-13B, -13C, -13E, -35A, -35E, -36A, -36E, -37A, -38A, -38E, -39A, -39B, -39E, -40A, -40B, -40C, -40E, -41B, -41E, -45A, -45B, -45C, -47C, -49E and -50E were installed on the Site.

Boring depths on-Site ranged from 12 to 106 feet. Depths for wells with an “A”, “B”, “C” and “E” suffixes on-Site ranged between 17 to 18 feet, 27 to 34 feet, 45 to 50 feet and 97 to 104 feet, respectively. Borings B-89, B-91, B-94, B-96, B-106, B-113, B-114, B-115 and B-122 to B-145; and monitoring wells MW-20R, MW-21R, MW-26R/C, MW-42B/E, MW-43A/B/C/E, MW-44B/E, MW-46A/C, MW-48B were installed off-Site. Boring depths ranged from 12 to 106 feet. Depths for the off-Site wells with an “A”, “B”, “C” and “E” suffix ranged between 17 to 18 feet, 27 to 35 feet, 45 to 50 feet and 96 to 104 feet, respectively. Soil samples were collected by direct-push methods. Groundwater samples from the borings (“grab” samples) were collected via direct-push sampling drive points and temporary wells in direct-push borings. Groundwater samples were collected from the borings and monitoring wells using disposable tubing with a check valve. The soil and groundwater samples were analyzed by U.S. EPA SW-846 Method 8260B (fixed-base laboratory) and/or 8265 (mobile on-Site laboratory).

SESCO conducted additional off-Site groundwater investigations during 2011 and 2012; including the advancement of 32 borings (B-146 through B-177) and installation of 16 long- screened monitoring wells (MW-51 to MW-66). The borings were advanced as temporary direct-push blind drive points for groundwater sampling at various depths. The boring maximum depths ranged from 30 to 99 feet. The method by which the groundwater samples were collected from the borings is unknown. The long-screened well depths ranged from 90 to 98 feet. The well-screen lengths ranged between 89 to 93 feet. Groundwater samples were collected from the long-screened wells and from a number of on-site monitoring wells using either a low-flow sampling method (bladder-type pump) or using a Hydrasleeve™ no-purge sampling method. The grab and the monitoring well samples were analyzed by USEPA SW-846 Method 8260B (fixed-base laboratory).

ReResolution Partners (November 2012) determined that due to groundwater mixing in the long- screened wells that the wells provided poor profiling information. The long-screened wells were abandoned in 2013. ERG conducted a further off-Site investigation including the installation of nine (9) continuous multichannel tubing (CMT) multi-level system wells (CMT-A through CMT-I). Each of these wells contains three (3) to four (4) sample depth intervals across the aquifer.

Groundwater samples were collected for VOC analysis from all the intervals in these wells in March 2013, and from select intervals and MW-48B in April 2013. The locations of the wells were reportedly selected on the basis of the overall spatial patterns of VOCs observed in the grab samples. With the exception of CMT-I, the new monitoring wells were placed near the previously IDEM-approved locations for the long- screened wells that were abandoned due to vertical mixing of groundwater in the well screens. CMT-I was placed in a location where monitoring wells had not yet been installed to provide better characterization near the centerline of the plume. In general, the CMT locations were from 25 to 150 feet of the closest boring with groundwater grab samples or long-screen well grab samples. Vertical sampling depths were selected to best define the vertical extent of VOCs and often were placed between two (2) high-concentration grab samples.

Overall, the CMT samples reportedly contained similar spatial trends as the previous “grab” samples collected from the wells containing a continuous screen. However, the shallowest CMT samples generally reportedly yielded lower VOC concentrations than the grab samples. According to ReSolution Partners, the CMT sampling points sufficiently defined the extent of the VOCs and are located to monitor concentration trends over time to assess the validity of the natural attenuation conclusions they made in their 2014 *RWP*.

5.0 Contamination Nature and Extent

5.1 Soil

5.1.1 East-Central Plant Area (Ketones Release)

Investigation in the East-Central Plant area (Baugh, April 1995) found acetone (methyl ketone) and methyl ethyl ketone (MEK) in soil samples. No laboratory reports or boring information were provided with the letter. In 1995, the acetone exceeded the current migration to groundwater from soil screening level. The ketone concentrations in groundwater in the area met the residential tap water screening levels at that time. No further remedial action for soil in this area is required.

5.1.2 East Parking Lot Area

According to reports warehoused on the IDEM Virtual File Cabinet (VFC), the East Parking Lot was used by Twigg Corp in the 1960’s to store hundreds of drums of chlorinated solvents. This was prior to Twigg Corp relocating their manufacturing operations across the street to East South Street.

The practice of storing hundreds of drums of new/used or spent solvents in an uncovered asphalt covered parking lot exposed to rain, snow, heat and freezing temps likely resulted in the majority of groundwater impacts to the Site that have migrated downgradient approximately 1-mile from the Site. The initial investigation of this area (HES, October 2003) included 20 soil samples impacted with chlorinated ethenes with all but TCE exceeding the migration to groundwater screening level. None of the soil samples contained concentrations of chloroethenes in excess of the conservative

direct contact screening levels, and subsequent remedial actions in this area therefore focused on groundwater.

No additional soil samples were reportedly collected until 2011 (SESCO *FSI*, July 2011). As noted in ReSolution Partners 2014 *RWP* (VFC# 80011737), the soil samples were analyzed without correction for moisture content (i.e., the results were reported “as received” or on a “wet weight” basis). Seven (7) years after the HES investigations, almost all VOC concentrations were below the laboratory reporting limits with a few exceptions. However, the lack of moisture content correction suggests that the VOC concentrations may have been 10 to 20 percent higher than reported. Even with this uncertainty, the most recent residual chlorinated ethenes concentrations were reportedly below the direct contact screening levels.

The VOC concentrations are sufficiently characterized for purposes of evaluating remedial alternatives. Groundwater in this area continues to be contaminated with chloroethenes and the maximum soil concentrations remaining in the area could contribute PCE and cDCE to the groundwater. However, given the groundwater VOC concentrations described below; the ethenes contributing to groundwater are most likely found in soil below the water table.

5.1.3 Southwest Plant Area

The Southwest Plant Area was initially suspected as a potential VOC source area on the basis of indoor air sampling. Sub-slab gas sample VOC concentrations were reportedly the highest observed (maximum of 136,000 $\mu\text{g}/\text{m}^3$) below the plant during surveys conducted in March 2010 (SESCO, April 2010).

Additional vapor samples below the floor in the southwest area were collected in November 2010 (SESCO, January 2011), approximately six (6) months after a sub-slab depressurization system was installed in the area. The PCE concentration in the vapor phase of three (3) soil-gas samples collected in the area (SG-4 through SG-6) yielded PCE concentrations of 1,400 to 9,200 $\mu\text{g}/\text{m}^3$ (a 93 to 99 percent decrease).

Six (6) soil borings were advanced through the floor in the southwest corner of the plant in 2010. The mobile laboratory results were presented on a wet weight basis. As discussed above, the uncertainty in the results from the wet weight analyses are minimal when compared to the concentration levels associated with risk and remediation decision-making.

A total of 15 soil samples were collected from the unsaturated soil in the six (6) borings above a depth of six (6) feet bgs, and 27 saturated soil samples were collected between depths of six (6) to 24 feet bgs. PCE and TCE were detected at concentrations ranging from less than the laboratory detection limit to 4.3ppm and 0.009 ppm, respectively. All of the reported concentrations were less than the direct contact screening levels, and only seven (7) PCE concentrations exceed the migration

to groundwater screening level. Based on these findings, ReResolution Partners speculated an additional soil source area upgradient west of the facility's east wall.

5.2 Groundwater

According to the April 2014 *RWP* prepared by ReResolution Partners (VFC# 80011737), on-Site groundwater conditions suggest that there are three (3) unique VOC plumes on-Site that quickly comingle with off-Site migration to the west. The shallow northern plume originates within the Eastern Parking Lot Area and is found in the upper ~25 feet of the aquifer. The deep plume appears to originate beneath the southeastern portion of the plant. The VOCs in groundwater are found at depths of up to 45 feet below the plant and consist of predominantly PCE. The shallow southern plume is also found in the upper portion of the aquifer only.

In June/July 2016 and March 2017 (most recent groundwater monitoring well network sampling events) Polaris Environmental, LLC mobilized to the Site to collect groundwater samples identified in Table 1 of the ReResolution Partners *Groundwater Sampling and Analysis Plan (SAP)* dated March 29, 2016. The results of both groundwater gauging & sampling events were submitted to IDEM in the SESCO report titled *Groundwater Monitoring Summary Report*, August 15, 2018 (VRP Site #6170501).

Of the 42 groundwater monitoring locations listed in the *SAP*, the monitoring wells CMT-A, CMT-B, CMT-D, CMT-E, CMT-F, CMT-G, DMW-9AS, MW-9, MW-10, DMW-10AS, MW-17, MW-18, MW-20R, MW-22, MW-23, MW-27, MW-34, MW-38 A, MW-38E, MW-39A, MW-39B, MW-40B, MW-42B, MW-43A, MW-43B, MW-43C, MW-44B, MW-45B, MW-45C, MW-46A, MW-46C, MW-48B, DMW-76, DMW-77, DMW-78, PT-2D, and PT-2S were sampled. Polaris reported that seven (7) monitoring wells in 2017 and eight (8) wells in 2016 were unable to be sampled due to “unforeseen variables”. For example, monitoring well CMT-C was sampled in 2016 however, in 2017, was reportedly filled with leaves and other debris due to a missing well cover and cap.

Polaris also reported CMT-I was destroyed during construction activities along Poston Road. However, SESCO located CMT-I during a field inspection in November 2019 and measured the depths to water in all three (3) screened intervals. Polaris also reported technical difficulties sampling the CMT wells with the specialized Solinst micro-double bladder low-flow pump equipment designed specifically for CMT sampling. Therefore, Polaris collected groundwater samples from the CMT wells via a peristaltic pump. Since the majority of the CMT screened intervals are located at depths greater than the hydraulic lift capabilities of a peristaltic pump, it's unclear how representative groundwater samples were collected from the deeper screened intervals within the CMT wells. In addition, the IDEM and the U.S. EPA cautions against the use of peristaltic pumps for VOC analysis due to the potential of degassing the samples during collection.

Laboratory analytical results indicate that multiple groundwater samples contained VOCs exceeding IDEM RCG Groundwater GW Tap RSLs, IDEM RCG Vapor Exposure (VE) GW RSLs, and the IDEM RCG VE GW Commercial/ Industrial Screening Levels (C/ISLs).

The Constituent of Concern (COC) exceedances are listed below:

- Tetrachloroethene (PCE):
IDEM RCG GW TAP RSLs: MW-10, MW-17, MW-22, MW-23, MW-39B, MW-40B, MW-43B, MW-44B, MW-46C, and DMW-77
IDEM RCG VE GW RSLs: MW-27, MW-34, and MW-45B
IDEM RCG VE GW C/ISLs: MW-45C, PT-2D, and PT-2S
- Trichloroethene (TCE):
IDEM RCG GW TAP RSLs: MW-34, DMW-76, and DMW-77
IDEM RCG VE GW RSLs: MW-22, MW-27, and MW-43C
IDEM RCG VE GW C/ISLs: MW-45B, MW-45C, MW-46C, PT-2D, PT-2S, and CMT-F (40-50)
- Vinyl Chloride (VC):
IDEM RCG VE GW RSLs: MW-22, MW-27, MW-24, MW-45B, MW-46C, CMT-A (30-40), and CMT-E (80-90)
IDEM RCG VE GW C/ISLs: CMT-D (50-60) and CMT-E (60-70)
- 1,1-Dichloroethene (DCE):
IDEM RCG GW TAP RSLs: CMT-E (60-70) and CMT-F (40-50)
- Cis-1,2-Dichloroethene (cDCE):
IDEM RCG GW TAP RSLs: MW-22, MW-34, MW-45B, MW-45C, MW-46C, PT-2D, PT-2S, CMT-E (60-70), and CMT-F (40-50)

The remaining contaminant concentrations were below the IDEM RCG GW TAP RSLs or laboratory reporting limits.

It is well established that PCE is degraded anaerobically by means of reductive dehalogenation to the less chlorinated ethenes TCE, trans-1,2-dichloroethylene (trans-DCE), cis-DCE, 1,1-DCE, VC, and ethene, as well as to ethane. The de-chlorination of PCE is often incomplete when it does occur, with VC and cis-DCE formed primarily; however, dehalorespiration of PCE to ethene is possible. Review of historic groundwater data and dissolved plume migration illustrate these naturally occurring mechanisms are very much active at this Site. Changes in both COCs and concentrations change as they move from the Site approximately 1 mile west due to degradation and natural attenuation.

Although seasonal fluctuations were noted when compared to groundwater data collected prior to 2014, the groundwater analytical results from 2016 and 2017 suggest the off-Site plume has maintained the overall geometry presented in 2014 with no significant lateral shifts in VOC migration. A general decrease in total VOC concentrations in the deep downgradient plume was noted suggesting the plume has reached a steady-state. The VC concentration at the leading edge of the plume (the only VOC detected) when compared to upgradient groundwater concentrations, suggests continued natural

attenuation degradation under the farmland/floodplain with an overall reduction in concentration.

Although yet to be fully delineated horizontally, the centerline of the plume appears to follow a sinuous path that is controlled by subtle variability in the aquifer's hydraulic conductivity and appears to dive vertically as it moves west (downgradient) from the Site. Based on data collected during the 2016/2017 groundwater sampling events, the plume is approximately 800-900 feet wide after migrating approximately 1,500 feet downgradient of the Site.

The total chlorinated ethene concentrations exceed 3,000 µg/L on-Site and are found at depths of 10 to 30 feet bgs. Concentrations of total chlorinated ethenes greater than 1,000 µg/L are shown to occur up to approximately 3,600 feet downgradient of the Site but have degraded and no longer contain PCE. Additionally, the impacts are no longer found at 10-30 feet bgs but rather, are detected in wells screened at depths of 50 to 70 feet bgs. The total chlorinated ethene concentrations continue to migrate at this depth and appear to no longer "dive". The total concentrations also decline to less than 100 µg/L between 3,600 and 4,600 feet from the facility. Approximately 4,600 feet from the Site, VC is the only VOC detected. Concentrations of VC greater than 10 µg/L extend from 4,100 to 5,300 feet from the facility. Concentrations of VC at the most downgradient extent of the investigation (CMT-A) are greater than the RCG Tap SLs and extend towards the White River beneath farm fields beyond the city limits. As previously mentioned, VC is the only chemical of concern (COC) present near the leading edge of the plume.

Historic groundwater chemistry analysis provided by ReSolution Partners indicates the groundwater in the deep plume is generally anaerobic and supportive of naturally-occurring reductive de-chlorination while the northern shallow plume remains aerobic. These findings tend to support the COC concentrations detected during the 2016/2017 groundwater sampling events which indicate reductive de-chlorination of PCE as the dissolved plume migrates west and dives in depth. The spatial distribution of volatile compounds suggest that reductive de-chlorination is proceeding from PCE to TCE to DCE to VC.

Although not specifically addressed as part of this *VRWP*, groundwater beneath the north end of the Site at a depth of 20 feet bgs is contaminated by at least one (1) known off-Site source referred to as Twigg Corporation located at 659 York Street, less than 100 feet northeast of the Site (VRP #6970506). The Twigg Corporation facility has been under investigation by the IDEM since at least 1999 and has been identified as the responsible party for a chlorinated ethene plume that runs parallel north to the Harman Becker plume. Twigg's plume has reportedly migrated downgradient over 3,000 feet west of the Twigg facility.

According to review of reports found on the IDEM VFC, accidental releases at Twigg have resulted in groundwater contamination greater than IDEM RCG Screening Levels for several constituents including PCE, TCE, cDCE, DCE, 1,1,1-trichloroethane, and 1,1-

dichloroethane. Groundwater contamination originating from Twigg is impacting the entire north side of the Site at a depth of approximately 20 feet bgs. More specifically, PCE concentrations in groundwater samples collected and analyzed from monitoring well MW-31, located on-Site approximately 100 feet south of East South Street (**Figure 1A**) have been more than 2x the IDEM RCG Industrial / Commercial Vapor Intrusion Screening Level and more than 20x the RCG Residential Tap Screening Level. Twigg's groundwater contamination impacts the former Harman Becker property approximately 600 feet east to west and approximately 125-150 feet north to south for a total of approximately 75,000 square feet.

5.2.1 VOC Impacts to Potable Water-Supply Wells

Twenty-three (23) potable residential wells have been identified in or near the dissolved VOC plume. Per the SESCO *FSI* dated July 8, 2011 (VFC# 68298934), it appears these wells were last sampled in 2011. The potable well locations are illustrated on **Figures 1A-1C**.

There are 15 wells on Hacker Drive more than 400 feet to the south of monitoring well CMT-C where 9.6µg/L of VC was found at a depth of 60 feet during most recent groundwater sampling event completed in 2016. The 20 and 85 foot screened intervals in CMT-C did not contain detectable concentrations of VC in 2016 which indicates the dissolved plume has dove to this depth by the time its migrated approximately 4,000 feet west of the Site. According to available Indiana DNR records, nearby wells are installed at total depths of 20 feet bgs. Thereby, the dissolved VOC plume is located at depths greater than the nearby potable wells.

CMT-C was reportedly damaged in 2017 and not sampled. In November 2019, a SESCO Field Technician located, inspected and gauged the depths to water for all three (3) screened intervals within CMT-C and determined it can be sampled.

According to the 2014 *RWP*, the potable wells were sampled as a "precautionary measure" in 2010 and 2011 before the trajectory of the VOC plume in the aquifer was determined with confidence. According to the *RWP*, the potable well depths were all approximately 20 feet, and all reportedly used for non-potable purposes. Samples collected from these wells in 2011 were found to be free of detectable VOC concentrations.

There are two (2) wells at the north end of RJ Boulevard, approximately 300 feet to the north of monitoring well CMT-D where 57.2 µg/L and 61.9 µg/L of VC was observed at a depth of 60 feet (<2.0 µg/L was noted at a depth of 20 feet) in 2016 and 2017, respectively. The 20 foot screened interval in CMT-D did not contain COCs greater than laboratory detection limits. The depths and uses of the water-supply wells are not known. The well at 1430 RJ Boulevard was reported to be inoperable by the homeowner, and the owner at 1440 RJ Boulevard refused to provide information or allow access to the property.

There are two (2) wells located at 309 W. Poston Road, located approximately 50 feet to the south of the expected plume based on the results of samples collected and analyzed from CMT-G. The wells are a sufficient distance from the plume to not be a potential risk. This will be verified by the collection of groundwater grab samples and the installation of a proposed monitoring well 400-500 feet downgradient. This proposed well is discussed later in this *VRWP*. One (1) well is reported to be 115 feet deep (presumably at the base of the sand and gravel aquifer at the bedrock-unconsolidated interface). At this time, it's not known whether this deep well is referred to as well #1 or well #2 as identified by former SESCO personnel in 2011. However, neither well is reportedly used for potable water. The deep well was sampled and found to be free of VOCs.

Non-potable water-supply wells are found at 340 and 409 W. Poston Road, within the areas of the shallow and deep VOC plumes. The depths of the wells are not known but both are reportedly used for non-potable purposes. The samples collected in 2011 did not contain detectable VOC concentrations. Several possibilities were presented by ReResolution Partners in their 2014 *RWP* to explain the apparent inconsistency between the well locations and the water quality:

- The wells may be screened at the base of the aquifer, comparable to the deep well at 309 W. Poston, and are therefore beneath the VOC plume;
- The wells are screened above the VOC plume; or,
- The concentrations in the groundwater drawn into the wells are low enough that the pumping process degasses the VOCs from the water before the sampling point.

In 2011, two (2) water-supply wells were reportedly located at 1240 S. Ohio Street, approximately 400 feet west of the Site, at total depths ranging from 20 to 25 feet bgs. According to the 2014 *RWP*, both were reportedly for non-potable uses. One (1) well yielded a water sample containing a TCE concentration of 33.0 µg/L in October 2011. Conflicting information has been reported whether or not these wells are in-use or, the residences connected to municipal water but maintain wells for non-potable uses such as irrigation.

As previously mentioned, the City of Martinsville drafted an ERO banning the use of new potable wells and attorneys for responsible parties in Martinsville have drafted an addendum to the ERO that bans the use of water wells to non-potable uses, which do not involve human or animal consumption, bathing, showering, cooking, or similar uses, or threaten human health and the environment.

5.3 Vapor Intrusion

5.3.1 Former Harman-Becker Facility

Vapor investigations began in 2008 (**Section 13.0**, Keramida 2008). Investigations continued in 2010 (**Section 13.0**, SESCO, April 2010) with indoor air, sub-slab and soil gas sampling within and below the former Harman Becker manufacturing building. Indoor air PCE concentrations by mobile laboratory mass spectroscopy ranged from 0 to 24 $\mu\text{g}/\text{m}^3$ in March 2010 with concurrent sub-slab concentrations ranging from 0 to 245,000 $\mu\text{g}/\text{m}^3$, and soil gas ranging from 60,000 to 428,000 $\mu\text{g}/\text{m}^3$. TCE, cDCE and CE were not detected.

Samples analyzed by gas chromatography in March 2010 found PCE in the indoor air to be between ND and 37.8 $\mu\text{g}/\text{m}^3$ with concurrent soil gas at two (2) indoor air locations with PCE from 65,000 to 279,000 $\mu\text{g}/\text{m}^3$. Canister sampling with TO-15 analyses in March 2010 found PCE in indoor air between 9.9 and 22.5 $\mu\text{g}/\text{m}^3$, and in sub-slab gas between 1,700 and 98,000 $\mu\text{g}/\text{m}^3$. TCE was detected in some sub-slab samples but not in the indoor air. cDCE and CE were not detected. As a result of these findings, a VMS was installed below the plant floor and began operation in May 2010.

SESCO collected vapor samples in November 2010 after approximately five (5) months of VMS operation (**Section 13.0**, SESCO, January 2011). No PCE, TCE, cDCE or VC were detected in indoor air samples. Sub-slab soil gas PCE concentrations ranged from 660 to 6,600 $\mu\text{g}/\text{m}^3$ while TCE ranged from 5 to 540 $\mu\text{g}/\text{m}^3$. One (1) sub-slab sample reportedly contained 4 $\mu\text{g}/\text{m}^3$ cDCE and 2 $\mu\text{g}/\text{m}^3$ of VC.

Indoor air was sampled in March 2012 (**Section 13.0**, SESCO, June 2012) using Summa canisters. PCE was detected at concentrations ranging from <1.0 to 7.0 $\mu\text{g}/\text{m}^3$.

Soil gas was collected from 21 on-Site locations at one (1) to four (4) depths in June 2013 (**Section 13.0**, Hartman, September 2013). An area approximately 300 to 500 feet north of the main plant building, beneath the main facility entrance, contained PCE concentrations as high as 160,000 $\mu\text{g}/\text{m}^3$. Within approximately 100 feet south of this area, the soil gas concentrations decreased to $\leq 200\mu\text{g}/\text{m}^3$. It was determined that the relatively high soil gas concentrations detected in 2013 were likely the result of an off-Site release of chlorinated solvents east of the Site. As previously mentioned in **Section 5.2** above, one (1) verified source of soil gas impacts on the northern end of the Site is the Twigg facility located at 659 York Street, less than 100 feet northeast of the Site (VRP #6970506). The Twigg manufacturing facility has been under investigation by the IDEM since at least 1999 and has been identified as the responsible party for a chlorinated ethene plume that runs very near and parallel north to the Harman Becker plume for at least 3,000 feet downgradient.

According to review of reports found on the IDEM VFC, accidental releases at Twigg have resulted in groundwater contamination greater than IDEM RCG Vapor Screening Levels for several constituents including PCE, TCE, cDCE, DCE, 1,1,1-trichloroethane, and 1,1-dichloroethane. Groundwater contamination originating from Twigg is impacting the entire north side of the Site at a depth of approximately 20 feet below the surface. More specifically, PCE concentrations in groundwater samples collected and analyzed from monitoring well MW-31, located on-Site approximately 100 feet south of East South Street (**Figure 1A**) have been more than 2x the IDEM RCG *Industrial / Commercial Vapor Intrusion Screening Level*. The groundwater impacts cut a swath across the Site approximately 600 east to west and approximately 125-150 feet north to south.

Continuous sub-slab monitoring by Hartman in June 2013 found PCE concentrations to vary between 25,000 and 50,000 $\mu\text{g}/\text{m}^3$ in the northeast portion of the building during mitigation system operation. The highest sub-slab PCE concentrations measured in July 2013 in the same area after the mitigation was turned off was 51,000 $\mu\text{g}/\text{m}^3$. Both of these results are well below the site-specific screening level Hartman calculated for the Site.

Hartman reportedly sampled indoor air in June 2013 by collecting samples at 45-minute intervals, for 32 observations per day over a 21-day period and found maximum PCE concentrations to be less than 20 $\mu\text{g}/\text{m}^3$ with most results typically varying between 2 and 10 $\mu\text{g}/\text{m}^3$.

The on-Site vapor mitigation system was turned off and indoor air samples were collected at six (6) locations with passive canisters and TO-15 analyses in July 2013. The maximum observed concentration was 13 $\mu\text{g}/\text{m}^3$ of PCE. Note that one (1) set of duplicate samples were reported at 50 $\mu\text{g}/\text{m}^3$ and ND from sample location "P6". It appears this sample location was compromised. However, Hartman concluded that the observed indoor air concentrations were well below the indoor commercial/industrial screening levels at that time.

Four (4) indoor air and two (2) sub-slab locations were resampled under "summer conditions" in June 2013 were resampled by Hartman under winter conditions in January 2014 using U.S. EPA TO-15 methods (Hartman, March 2014). The VMSs were reportedly turned off in July 2013 and have remained that way since that time.

5.3.2 Residential Settings

The first sampling of residential indoor air was completed in 2008 and 2009 (see **Section 13.0**, Keramida, March 2009). Subsequently, seven (7) VMSs were installed by Keramida at the following locations based on the 4.1 $\mu\text{g}/\text{m}^3$ residential indoor air screening level in effect at that time:

Location	Installation Date	Pre-installation PCE Concentrations ($\mu\text{g}/\text{m}^3$)			
		Living Space	Basement	Crawl Space	Subslab
520 Basca	Feb 2009	4.5	---	6.3	---
1304 Clore St.	Mar 2009	8.0	12.4	4.0	5,500
1334 Clore St.	Mar 2009	6.9	---	44.1	---
1354 Clore St.	Feb 2009	10.2	---	27.0	---
1355 Clore St.	Mar 2009	19.2	---	49.8	---
1385 Clore St.	Feb 2009	847	---	1,060	---
1399 Clore St.	Feb 2009	26.6	32.8	<1.9	149,000

Current Residential Indoor Air Screening Level for PCE = $42 \mu\text{g}/\text{m}^3$. IDEM (31 July 2012).

Samples collected immediately after mitigation system installations were also collected by Keramida at several homes. Indoor air samples from 1385 Clore St. decreased to an average of $180 \mu\text{g}/\text{m}^3$ of PCE by March 2009.

The 1354 Clore St. mitigation system was “amended” by Keramida and the home resampled in May (see **Section 13.0**, Keramida, May 2009). No detectable VOCs were observed in the May sampling. 1304 Clore St. was also resampled in May with no VOCs in the indoor air and the sub-slab PCE concentration decreased to $1,000 \mu\text{g}/\text{m}^3$.

SESCO began sampling residences in 2010, and expanded the program to a total of 20 residences by 2012. Residences were sampled in March 2010, April 2010, May 2010, February 2011, April 2011, December 2011, February 2012, March 2012, May 2012, and July 2012. During this period there were no reported exceedances of vapor screening levels.

Indoor air samples were again collected from living areas, basements and crawl spaces in June and July 2013 (**Section 13.0**, Hartman September 2013). Sixteen (16) locations were sampled. The highest concentrations observed were found on the first floor at 1309 Clore St. (15 to $51 \mu\text{g}/\text{m}^3$ of PCE). Two (2) of four (4) samples were greater than or equal to the residential indoor air screening level of $42 \mu\text{g}/\text{m}^3$, and the average of the four (4) samples was $42 \mu\text{g}/\text{m}^3$. This home does not have a mitigation system. The other homes without mitigation systems have reportedly ranged from <3.4 to $21 \mu\text{g}/\text{m}^3$. TCE, cDCE and CE were not detected. Basements in these residences typically had $\leq 13.6 \mu\text{g}/\text{m}^3$ of PCE, with 1309 Clore St. showing 1 of 3 samples at $65 \mu\text{g}/\text{m}^3$.

Six (6) of the seven (7) residences with vapor mitigation systems were sampled in 2013 (see **Section 13.0**, Hartman September 2013). Mitigation system effluents contained 8.3 to $348 \mu\text{g}/\text{m}^3$ of PCE, with the highest at 1399 Clore Street. Prior to turning off the mitigation systems, the PCE concentrations on the first floors ranged from 1.4 to $2.7 \mu\text{g}/\text{m}^3$. After the vapor mitigation system shut down, the concentrations ranged from <3.4 to $34 \mu\text{g}/\text{m}^3$. The high concentration collected in June was not reproduced in a second sampling event in July. Basement samples collected prior to

VMS shut down were $\leq 3.4 \mu\text{g}/\text{m}^3$, and after shut down the concentrations ranged from <3.4 to $21 \mu\text{g}/\text{m}^3$.

Eight (8) homes were sampled again during the winter of 2014 in January (see **Section 13.0**, Hartman, March 2014). Two (2) homes (1355 Clore St. and 1309 S. Ohio St.) had concentrations of PCE above the laboratory reporting limit in the living space between 6.4 and $7.1 \mu\text{g}/\text{m}^3$, while basement or crawl space observations at 1304 and 1355 Clore St. ranged from 4.1 to $4.4 \mu\text{g}/\text{m}^3$. The homes at 1334 and 1385 Clore St. yielded estimated concentrations of 1.6 and $2.5 \mu\text{g}/\text{m}^3$. The remaining observations were less than reporting limits. The inconsistently high results from 1309 Clore St. were not repeated. All results were below the IDEM RCG screening levels.

6.0 Historical Remedial Actions

The following provides a summary of historical remedial actions completed at the Site. Greater detail regarding historic remediation activity was presented in a report titled “*Summary of On-Site Soil and Groundwater Characterization and Remediation*” (ReSolution Partners, June 2013). **Section 13.0** contains this reference.

6.1 Underground Storage Tank Removals

An underground gasoline storage tank was located on the east side of the plant. It was last reportedly used in 1984, and sometime between 1984 and April 1986 the tank was closed in place by filling it with concrete (Harman-Motive UST Notifications, May 1986). There is no indication of whether the tank had ever leaked. An underground acetone storage tank was located on the south side of the plant. It was last used in 1984, but the records do not state what became of the tank after it was taken out of service (Harman-Motive UST Notifications, May 1989).

Volatile petroleum hydrocarbons have been analyzed in groundwater downgradient of the tank and none have been found above RCG screening levels.

6.2 East-Central Plant Area (Ketones Release)

Above-ground storage tanks with secondary containment held acetone and MEK until 1992, when the tanks were removed. Harman-Motive suspected that the underground piping connecting the tanks to plant operations had leaked. In the East-Central Plant Area an air-sparge (AS) and soil vapor extraction (SVE) system were installed to remediate acetone, and ketones released from a suspected underground pipe leak. Documentation of the remediation includes the following:

- A Construction Permit Application submitted to the IDEM in January 1996 (Harman- Motive, January 1996).
- A *Remediation System Startup and Evaluation Report* submitted to the IDEM in 2008 (Keramida, July 2008).

The available information suggests that seven (7) SVE and five (5) AS wells were installed in the east-central area. No soil samples were collected following the SVE remedial action. However, the ketone concentrations in groundwater in the area met the residential tap water screening levels. The soil therefore likely meets all the RCG soil screening levels. No further remedial action for soil in this area is expected.

6.3 East Parking Lot Area

The East Parking Lot Area was subjected to an engineered *in-situ* reductive de-chlorination remedy to mitigate historical releases of PCE at the ground surface in the area. The purpose of the reductive de-chlorination remedy was to "...remove the source contaminants and allow natural processes to attenuate the downgradient groundwater plume to acceptable levels" (Keramida, June 2005). Documentation of the remediation includes the following as referenced in **Section 13.0**:

- Documentation of a microcosm study (**Section 13.0** Keramida, December 2004).
- Documentation of a field pilot test (**Section 13.0** Keramida, March 2005).
- A Work Plan for the implementation of an *in situ* reductive dechlorination remedy (**Section 13.0** Keramida, June 2005).
- Remediation dechlorination progress reports (**Section 13.0** Keramida, December 2005; April 2006; October 2008).

Three (3) full-scale injections were completed in August 2005, May 2006, and July 2008. The full-scale injection plan included 40 injection locations within the 100 µg/L iso-concentration plume area. Direct-push injection tooling was used to inject corn syrup solution over 3-foot intervals between depths of: 9 to 12, 12 to 15, and 16 to 19 feet bgs. A total of 16,600 gallons of injection solution containing 2,200 gallons of substrate was introduced into the shallow groundwater by the pilot and full-scale injections. This represents an approximate application of 0.003 weight percent of the target aquifer mass after four (4) years of injections.

Six (6) years of observations suggest that the engineered reductive de-chlorination converted PCE and TCE to cDCE and CE, and resulted in some VOC destruction during the period of active substrate injection. In the 12 years since the active remediation was completed the total chlorinated ethenes concentrations continued to decrease likely due to flushing and downgradient transport rather than degradation. VOC concentrations in the area remain probably as a result of sufficient residual non-aqueous phase VOCs and/or adsorbed VOCs in the soil after multiple rounds of substrate injection.

6.4 Groundwater

Remediation of groundwater beyond the immediate source areas described above was implemented by air-sparge/soil-vapor extraction (AS/SVE) systems installed beneath the facility. A pilot test of an AS and SVE system was completed in the area of highest acetone concentrations in June 1995 (**Section 13.0** HES, October 1995). The proposed

plan (HES, October 1995) included the installation of eighteen 2-inch diameter SVE extraction points to depths of 7 feet bgs, and twenty-four 2-inch diameter AS wells with screened intervals of 58 to 75 feet bgs in the east-central area of the plant. Nutrients (anhydrous ammonia and vapor-phase phosphate) to stimulate biological growth and contaminant degradation were to be introduced with the air stream entering the AS wells.

Available information regarding the AS/SVE system installed in 1995-1996 is sporadic and will not be addressed in detail within this report. It appears from April through June 2008, the AS/SVE removed an estimated 1.51 pound of VOCs over the three-month period for a total of approximately 29.5 pounds of VOCs (Keramida, September 2008). The system was shut down in early June 2008 as a result of high water level caused by flooding of Martinsville. The system was reportedly restarted on August 21, 2008, but experienced numerous problems that were attributed to the flooding. A series of diagnostic tests on the system completed in March 2009 concluded that the three (3) original AS wells needed to be replaced, and that the SVE wells be replaced by a “horizontal SVE trench” of unknown length. There is no further discussion of the AS/SVE system in the VFC records.

This suggests that the revised Keramida AS/SVE system ran only from July 2007 to June 2008, or less than one (1) year. No other on-Site groundwater remedial actions have taken place after the shutdown of the AS/SVE system in June 2008.

7.0 Wellhead Protection Areas

Wellhead protection areas are zones where groundwater is extracted for human consumption and affords a high likelihood for human exposure. Residents of Martinsville are supplied by potable water from the Martinsville Water Utility. The Utility extracts groundwater from three wells (#3, #4 and #5) located at 410 West Cunningham Street in Martinsville. The wells are located approximately 7,000 feet northwest of the Site and 6,300 feet north of the northern edge of the groundwater plume downgradient from the Site.

According to the IDEM Wellhead Proximity Determinator, an online self-service application on the IDEM website, accessed on December 24, 2020, the Site **is not** within a wellhead protection program area.

8.0 Further Site Investigation

Based on review of the previous subsurface investigations discussed in this report and referenced in **Section 13.0**, approximately 54 monitoring wells have been completed on-Site with 56 off-Site monitoring wells/screened intervals completed off-Site. The 56 off-Site groundwater sampling points include all nine (9) CMT wells that contain a total of 30 screened intervals that vary in depth from approximately 20 to 90 feet below surface. Hence, historic groundwater analytical data is relatively extensive.

During a meeting with IDEM on January 10, 2020, and subsequent discussions and correspondence during the months of February thru May 2020, SESCO and IDEM agreed

on a phased approach investigation. The first phase of this investigation will include the collection of 25 grab groundwater samples to evaluate potential well locations and screen depth placement, the installation of up to five (5) delineation wells and three (3) replacement wells, (depending on the analytical results of the grab groundwater samples), and the collection of approximately 70 groundwater samples from both on and off-Site locations to determine current plume dimensions.

On February 6, 2020, SESCO submitted a *Draft Work Plan* (DWP) to IDEM for discussion purposes (VFC #6170501). The DWP included a table titled *Proposed Groundwater Sampling Monitoring Well Network 2020 VRIWP (Appendix 1)*. This table lists the current monitoring well network and groundwater analytical data beginning in 1996 up to the most recent groundwater sampling events in 2016/2017. The table is color-coded to illustrate the findings of SESCO's field reconnaissance and monitoring well evaluation completed in November 2019 and January 2020. The table identifies wells that appear to have been destroyed but are no longer needed so hence, these wells will not be replaced. The table identifies wells that have been destroyed but are still needed for plume delineation and long-term monitoring. These wells are highlighted and identified as "Replace & Sample" as part of this VRIWP.

Finally, the table identifies wells that will be included in future groundwater sampling events and long-term monitoring. These wells are simply identified as "Sample" and were selected based on an evaluation of available groundwater analytical data. During subsequent discussion between IDEM and SESCO, an agreement was reached that these well locations will serve as important data collection points for Site characterization and long-term groundwater monitoring. In order to ensure each well can provide representative groundwater analytical data, SESCO field personnel located and evaluated each well in November 2019 and January 2020, including gauging each well for depth to water & total depth to insure each well had not been compromised or damaged.

Figures 1A, 1B and 1C, located in **Appendix 2**, illustrate the locations of off-Site groundwater grab samples (including proposed sample depths), the location of new and/or replacement monitoring wells (including proposed well screen depths), and identifies wells that will be included in the monitoring well sampling event following well installation. The figures also illustrate the location of nearby potable wells. Based upon review of historic groundwater analytical data and IDEM correspondence, and as illustrated on **Figures 1A, 1C and 1B**, SESCO proposes the installation of the following monitoring wells and/or grab groundwater sample locations;

- CMT-B, located along the western curb of RJ Boulevard, is destroyed. The well cover and j-plug are missing, and the well is partially filled with debris. SESCO proposes replacement well MW-60 be installed within a 5' radius of CMT-B. The well will be installed via direct-push and constructed of 2" diameter Sch 40 PVC with a 5' pre-packed well screen set at 60' - 65' below grade, the approximate depth of VC impacts previously detected at this location.

- SESCO proposes installing monitoring wells MW-61 & MW-62 south of CMT-C and north of CMT-D, respectively. The wells are intended to complete delineation of VC impacts detected at the 60' screened interval in both CMT-C and CMT-D. The wells will be installed via direct-push and constructed of 2" diameter Sch 40 PVC with a 5' pre-packed well screen set at 60' - 65' below grade.
- SESCO proposes a boundary well south of CMT-E at the intersection of Ellen and St. Josephine Streets, screened across the 70 ft interval. During installation, SESCO will attempt to collect grab groundwater samples at 20, 40, and 55 feet for VOC laboratory analysis. If possible, a grab sample will also be collected at the 90' interval.
- SESCO proposes an exploratory soil boring east of CMT-B, at the intersection of Chestnut and Catherine Streets, with groundwater grab samples collected for VOC analysis at 20, 40, and 60 feet. If impacted, the highest concentrations are expected to occur at approximately 60 ft. Should this location be impacted, then SESCO will move two (2) blocks north as described in the following bullet item in search of a permanent boundary well location. If groundwater is not impacted and this becomes a permanent well location/boundary well, it's likely the well screen will be installed across the 60 ft interval.
- If the grab groundwater samples described above (at the intersection of Chestnut and Catherine Streets) are impacted, SESCO proposes to move north two (2) blocks and complete an exploratory boring east of CMT-D, at the intersection of Dickson and Catherine Streets with groundwater grab samples for analysis at 20, 40, 60 and 80 feet below grade. If present, it is anticipated that groundwater impacts may exist at 60 feet below grade. Once lab results are evaluated, a follow-up discussion with IDEM regarding permanent well installation will take place.
- SESCO proposes to install replacement well MW-66R approximately 200 south of Poston Road in the grass covered area just west of the asphalt covered drive/parking lot for the elementary school. The well will be installed via direct-push and constructed of 2" diameter Sch 40 PVC with a 5' pre-packed well screen set at 35'-40' below grade, based on TCE concentrations detected in boring B-139 (48.3 µg/L from 36 to 40 ft bgs). During well installation, a groundwater grab sample will be collected for analysis 20 feet below grade.
- TCE was previously detected in shallow groundwater samples collected along Green Street (residential area). However, no permanent delineation wells exist in this area. SESCO proposes to install monitoring wells MW-64 and MW-65 (spaced approximately 500 feet apart) along Green Street within a 5' radius of B-144 and B-136, respectively. The wells will be installed via direct-push and constructed of 2" diameter Sch 40 PVC with a 10' pre-packed well screen set at 35' - 45' below grade.

- SESCO proposes the collection of grab groundwater samples at the water table (15 to 20 feet below grade) along East Street, downgradient of the residential wells located at 1240 Ohio Street that contained detectable concentrations of VOCs in 2011 but reportedly, are not used as potable wells.
- SESCO proposes the installation of replacement well ETS-MW-3R within a 5' radius of ETS-MW-3, located in the southwest corner of the Site. The well will be installed via direct-push and constructed of 2" diameter Sch 40 PVC with a 10' pre-packed well screen set at 10'-20' below grade.

9.0 Monitoring Plan

9.1 Soil

At this time, additional soil investigation is not warranted.

9.2 Groundwater

9.2.1 Monitoring Wells

Following installation of the additional monitoring wells discussed in **Section 8.0**, SESCO will return to the Site to collect groundwater samples from all wells identified in **Figures 1A, 1B and 1C** and the table located in **Appendix 1**. The goal of groundwater sampling included the following:

- Identify the horizontal and vertical extent of the VOC impacts to groundwater.
- Determine the magnitude that natural attenuation of VOCs has continued to degrade the plume.
- Evaluate the lateral extent of the VOC migration.
- Evaluate potential seasonal fluctuations of dissolved VOC impacts in groundwater.
- Evaluate the potential for vapor intrusion / preferential pathways previously not identified or investigated.

As previously mentioned, the first phase of this investigation will include the collection of 25 grab groundwater samples to evaluate potential well locations and screen depth placement, the installation of up to five (5) delineation wells and three (3) replacement wells, (depending on the analytical results of the grab groundwater samples), and the collection of approximately 70 groundwater samples from both on and off-Site locations to determine current plume dimensions. All samples will be analyzed for VOCs via US EPA Method 8260 as listed below in **Section 9.2.6**.

9.2.2 Water-Supply Wells

As noted in **Section 3.4.2**, 2011, twenty-three (23) residential wells are identified in in the general vicinity of the VOCs leaving the Site in groundwater. SESCO has previously noted that the wells at 1201 South Ohio Street, and at 340 and 409 W. Poston Road are used for non-potable purposes; and previous consultant, Eco-

Innovators, has stated that the Hacker Drive wells are all used for non-potable purposes. The wells on 1430 and 1440 RJ Boulevard are also reportedly for non-potable uses. The well at 1430 was not operational in 2011 and the homeowner at 1440 did not allow access for sampling.

Available information is both dated and in places, conflicting as to the current status of the potable wells. Therefore, SESCO proposes to update the current status and owners of the potable wells identified in 2011 and determine which are currently in use and should be sampled. SESCO will submit Site Access Agreements with the current property owners as needed for permission to sample the potable water-supply wells.

If the owners refuse permission to sample the wells or if the well is taken out of service by the owner, no further sampling will be required. Sampling will take place one time in anticipation of the approval and implementation of the Martinsville ERO previously mentioned and discussed in **Section 11.0** of this report. In the event that the Martinsville ERO discussed in **Section 11.0** is not adopted by March 1, 2021, the sampling will take place until the ERO is adopted.

As noted previously, available information indicates the majority of the wells are installed at an average total depth of 20 feet below surface grade. Relatively shallow impacts to groundwater at this depth are typically found on-Site and up to 300-400 feet downgradient of the Site. The impacts begin diving to depths greater than 30 feet at this point and continue to dive to 40 - 60' feet below grade which is well below the average well screen depths. This likely accounts for the lack of detectable VOCs during the last potable well sampling event in 2011.

9.2.3 Sampling and Handling Procedures; Sample Collection

Well sampling will be completed in accordance with the U.S. EPA's Low-Flow (minimal drawdown) groundwater sampling procedures (EPA/540/S-95/504, April 1996) in an effort to reduce the sedimentation in the samples and eliminate false positive laboratory analytical results. This method provides minimal disturbance to the aquifer, minimal volatilization and sediment turbidity.

The procedure involves groundwater purging rates between 0.1 and 0.5 liters per minute while maintaining minimal draw-downs, typically less than 0.3 feet. Positive displacement pumps will be used to evacuate water from the screened portion of the well to the surface apparatus for purging and sampling wells. A Solinst micro double valve (MDV) pump will be employed at the CMT wells and a submersible bladder pump will be employed at the other monitoring wells. Both pumps are enabled by intermittent positive air pressure from a controller/air compressor system.

The MDV pump (Solinst Model 408M or equivalent) is attached to a concentric dual-tube system. During operation, air from the controller pushes down on the water column in the drive line, closing the check valve at the base of the pump. This forces the water up the inner 3/16-inch sample line tubing. A vent cycle, during which the gas

is released, allows water to refill the pump and drive line. The top check valve prevents water in the sample line from falling back in to the pump body.

During the operation of the bladder pump (QED SamplePro or equivalent), air pressure, produced by a small compressor, closes a check valve and powers a plastic bladder via 0.25-inch poly tubing and water is pushed up another 0.25-inch poly tubing. During the vent cycle, the gas is released from the bladder and water is allowed to refill the bladder area.

At the surface, the pump discharge tubing is attached to a flow-through cell. Located at the top of the flow cell is the multi-probe (Horiba U-52 or equivalent). The multi-probe measures groundwater geochemical parameters: pH, oxidation-reduction potential (ORP), specific conductivity, temperature, turbidity and dissolved oxygen (DO). Each of the probes and their associated meters will be calibrated once each day of use according to the manufacturer's specifications. Water quality parameters are monitored throughout purging to verify stabilization prior to groundwater sample collection. The time and results of the field parameters will be recorded on a sample log at approximately one-liter increments until the parameters have stabilized. Once the parameters have stabilized, the discharged groundwater is considered representative of the aquifer.

During sample collection, the flow cell will be removed and groundwater will be discharged directly into properly preserved laboratory-provided containers. The samples will be labeled, logged on the chain-of-custody, and placed on ice in an insulated cooler for transport to the laboratory.

The pump, flow-through cell and the multi-probe instruments will be decontaminated between monitoring well samples using a laboratory-grade soap and water rinse. New tubing will be used at each well location and/or sampling interval.

QA/QC samples will be collected as described in the QAPP.

9.2.4 Labeling

Each collected and packaged sample will be identified by attaching a water-proof tag or label to the container prior to sampling or immediately thereafter. Tags or labels must be completed using permanent, waterproof ink. They should be protected against detachment from the individual sample containers if they get wet. Labeling schemes are valid as long as they are logical and consistent and documented in such a way as to allow one to easily determine the exact location where each sample was collected.

Each tag or label must contain, at a minimum, the following:

- Sample number that uniquely identifies that sample.
- The project number.

- The project name or Site name.
- Date and time of sample collection.
- Preservative added.

9.2.5 Transportation

When transporting samples from the Site to either the office or laboratory, they must be kept inside a secure storage container at all times the inside of which, if necessary, is kept chilled. The storage container should not be subjected to excessive heat or potential sources of contamination. If samples are relinquished by the sampler to another person for transport to the laboratory, proper chain-of-custody transfer documentation must be followed. Custody of the samples should only be transferred to persons who are qualified to handle or transport them.

9.2.6 Chain-of-Custody Procedures

The purpose of chain-of-custody procedures is to permit traceability from the time samples are collected until all data has been generated. The procedures are intended to document sample possession from the time of collection and disposal. This practice provides documentation during each step, that is, during shipping, storage, and during the process of analysis.

As few people as possible should handle samples. The field sampler is responsible for the care and custody of the samples collected until they are properly transferred. Labels or tags should be firmly attached to the sample containers and made of waterproof paper.

As with all other field data, chain-of-custody information should be recorded when sampling is taking place. Record all chain-of-custody sampling data while on-Site. The chain-of-custody record accompanies the samples. When transferring possession of samples, the individuals relinquishing, the shipper, and the receiver of the samples are to sign, date, and note the time on the record. This record documents sample custody transfer from the sampler, often through another person, to the analyst in a laboratory.

9.2.7 Investigative Derived Wastes

Purged well water is to be placed in 55-gallon UN/DOT approved drums and staged in a secure area of the former Harman-Becker site. Containers are to be labeled with Site information (name, address, and project number), monitoring well location identification, generation date and contents. Investigative derived wastes will be disposed periodically by SESCO during the implementation of the VRIWP.

9.2.8 Chemical Analyses

The analyses of groundwater samples as described in this Plan will be performed as follows:

Analyte	Method	Reporting Limit
VOCs	8260	5 µg/L for all but VC (2 µg/L)

9.2.9 Quality Assurance/Quality Control

In order to evaluate data quality, QA/QC samples will be collected during the sampling activities as follows: Matrix Spike/Matrix Spike Duplicates (MS/MSD), field duplicates and trip blanks.

The samples collected for the *VR/WRP* will include groundwater samples to be analyzed for VOCs using U.S. EPA Method 8260. Field duplicate samples provide precision information for the entire measurement systems. Duplicate samples will be collected for the laboratory analytical portion of this project. Duplicate samples will be analyzed after every 20 samples or one per project, if less than 20 total samples. A trip blank is an unopened sample that contains only laboratory- grade and organic-free water. The trip blank accompanies field samples scheduled for VOC analysis. Trip blank results are used to indicate whether the field samples have been exposed to VOC sources that are not representative of the Site's subsurface. One (1) trip blank set will be submitted with each cooler transported to the laboratory that contains samples for VOC analysis. MS/MSDs are used by the laboratory for internal control checks. The laboratory normally requires field technical staff to collect triple the sample volume to perform the MS/MSD analysis.

Equipment/rinsate blank and field blank samples will be collected only if reusable equipment is decontaminated and reused at another sample point. The rinsate sample will be collected to evaluate the effectiveness of the decontamination process of non-disposable sampling equipment.

10.0 Vapor Sampling

Vapor sampling is currently not planned during this phase of investigation.

11.0 Institutional Controls

11.1 City of Martinsville Environmental Restrictive Ordinance

As defined by the IDEM (RCG, March 2012), an Environmental Restrictive Ordinance (ERO) is adopted by a municipal corporation that limits, regulates, or prohibits withdrawal, human consumption, and any other use of groundwater.

On September 28, 2020, the City of Martinsville approved *An Environmental Restrictive Ordinance (ERO) of The Common Council of The City of Martinsville, Indiana banning the installation of new wells within the City.*

It is SESCOs understanding that the City of Martinsville, Harman-Becker and Twigg Corp. have prepared a new ERO that not only bans the installation of new wells, it goes a step further to protect potable wells users and states that existing wells within the ERO area “*may only be used for non-potable uses which do not involve human or animal consumption, bathing, showering, cooking, or similar uses, or threaten human health and the environment*”. SESCO also understands that potable well users in the ERO area will be connected to the City municipal water utility source.

12.0 Health and Safety Plan

The Site-Specific *Health & Safety Plan* developed by SESCO for previous Site investigations will be updated for this Phase of the investigation following approval of the *VRIWP*. A copy may be provided upon request at that time.

13.0 References

AECOM. June 2012. Calculation of site-specific groundwater screening levels and comparison to on-site and off-site groundwater data. Memorandum to D. Gillay, Barnes & Thornburg, LLP, 41 pp. (not found in the VFC, see Section 13.0).

Aziz, C. E., C. J. Newell and J. R. Gonzolas. 2002. BIOCHLOR, Natural Attenuation Decision Support System, Version 2.2.

Baugh, Michael D. April 1995. Letter to G. Hawvermale, IDEM. 3 pp. (VFC# 61851311).

Bruce Carter Associates, Inc. (BCA) October 2011. Remediation Work Plan, Twigg Corporation, 659 East York Street, Martinsville, IN, VRP Site# 6970506. 999 pp. (VFC# 63851133).

City of Martinsville. 2011. 2011 Annual Water Quality Report PWS # 525509. 6 pp.

Ecology and Environment, Inc. January 1989. Screening Site Inspection for Essex Group, Inc., Martinsville, IN, USEPA ID: IND980606107. 32 pp. (VFC# 35354440).

Freeze, R. A. and J. A. Cherry. 1978. Groundwater. Prentice Hall, 604 pp.

Harman-Motive, Inc. May 1986. Notification of Underground Storage Tanks to ISBH 3 pp. (VFC# 21118655).

Harman-Motive, Inc. May 1989. Notification of Underground Storage Tanks to ISBH. 2 pp. (VFC# 21118655).

Harman-Motive, Inc. January 1996. Construction Permit Application for On-Site Soil Remediation (soil-vapor extraction/air sparging). 42 pp. (VFC# 37510990).

Hartman Environmental Geosciences. September 2013. Vapor Intrusion Assessment Report – Former Harman-Becker Facility and Surrounding Neighborhoods, June 2013 and July 2013 Field Investigations. 186 pp. (VFC# 68953075).

Hartman Environmental Geosciences. March 2014. Vapor Intrusion Pathway assessment, Former Harman-Becker Facility and Surrounding Neighborhoods, Results of the January 2014 Field Investigation and Future recommendations. 459pp. (VFC# 68953075).

Heritage Environmental Services (HES). October 1995. Hydrogeologic Assessment, Harman-Motive, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. 46 pp. (VFC# 43577846).

Heritage Environmental Services. October 2003. East Parking Lot Investigation Report, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. 281 pp. (VFC# 41531354).

Hydrophase, Inc. March 2005. City of Martinsville, Additional New Well Site Investigation. 44 pp. (VFC# 43604506).

Indiana Department of Environmental Management. February 2001. 2001 Risk Integrated System of Closure (RISC) Technical Resource Guidance Document (Technical Guide).

Indiana Department of Environmental Management. March 2012. Remediation Closure Guide. 189 pp.

Indiana Department of Environmental Management. November 2012. Letter RE: Kiddie pool scenario (November 2012), Former Harman-Becker, 1201, South Ohio Street, Morgan County, Project Site # 1996-06-183. 9 pp. (VFC# 67094331).

Indiana Department of Environmental Management. November 2013. Letter RE: Comments Kiddie pool scenario, Former Harman-Becker, 1201, South Ohio Street, Morgan County, Project Site # 1996-06-183. 8 pp. (VFC# 69150720).

Indiana Department of Environmental Management. January 2014a. Letter RE: Resolution Partners – Summary of On-Site Soil and Groundwater Report, Former Harman-Becker, 1201, South Ohio Street, Morgan County, Project Site # 1996-06-183. 5 pp. (VFC# 69438610).

Indiana Department of Environmental Management. January 2014b. Letter RE: ReResolution Partners – Summary of Off-Site Groundwater Characterization Report, Former Harman-Becker, 1201, South Ohio Street, Morgan County, Project Site # 1996-06-183. 11 pp. (VFC# 69480933).

Indiana Economic Digest. September 2012. Martinsville Water Well's Contamination Expands.

Indiana Public Media. October 2012. Feds Could Help Martinsville Clean up Contaminated Wells. <http://indianapublicmedia.org/new/feds-martinsville-contaminated-wells-37119/>.

Keramida Environmental, Inc. December 2004. Microcosm Study, Harman-Becker Automotive Systems, Martinsville, Indiana. 233 pp. (VFC# 41530857).

Keramida Environmental, Inc. March 2005. Reductive Dechlorination Field Pilot Test, Harman-Becker Automotive Systems, Martinsville, Indiana. 143 pp. (VFC# 41583804).

Keramida Environmental, Inc. June 2005. Reductive Dechlorination Work Plan, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana. 98 pp. (VFC# 43632998).

Keramida Environmental, Inc. December 2005. Remediation Dechlorination Progress Report, Harman-Becker Automotive Systems, Martinsville, Indiana. 261 pp. (VFC# 41584223).

Keramida Environmental, Inc. April 2006. Remediation Dechlorination Progress Report, Harman-Becker Automotive Systems, Martinsville, Indiana. 177 pp. (VFC# 41583392).

Keramida Environmental, Inc. July 2008. Remediation System Startup & Evaluation Report, July 2007 through March 2008 , Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. 17 pp. (VFC#38713301).

Keramida Environmental, Inc. September 2008. Remediation system evaluation report from April through June 2008, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. (VFC#38713881).

Keramida Environmental, Inc. October 2008. Remediation Dechlorination Progress Report, Harman-Becker Automotive Systems, Martinsville, Indiana. 176 pp. (VFC# 43558072).

Keramida Environmental, Inc. 4 June 2009. Remediation system evaluation report, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. (VFC#49019658).

Keramida Environmental, Inc. 14 June 2009. Remediation system evaluation report from October through December 2008, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. (VFC#38713881).

Keramida Environmental, Inc. June 2009. Remediation System Evaluation Report July through September 2008. Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. 359 pp. (VFC#49426565).

National Research Council. 1994. Alternatives for groundwater cleanup. National academy Press, Washington, D.C., 315 pp.

National Research Council. 2013. Alternatives for managing the nation's complex contaminated groundwater sites. National Academies Press, Washington, D.C., 320 pp.

Pankow, J. F. and J. A. Cherry. 1996. Dense chlorinated solvents and other DNAPLs in groundwater. Waterloo Press. 522 pp.

Remediation Work Plan April 2014, Former Harman-Becker Automotive Systems, Inc, 1201 South Ohio St., Martinsville, Indiana 46151 IDEM Project Site #1998-06-183 (VFC# 80011737)

SESCO Group, August 15, 2018. *Groundwater Monitoring Summary Report*, for the Former Harman-Becker Automotive Systems, Inc. 1201 South Ohio St., Martinsville, Indiana 46151, VRP Site #6170501. 57pp

SESCO Group. November 2012. Responses to Indiana Department of Environmental Management's 24 August 2012 Comments on the *Further Site Investigation Report (FSI)* prepared by the SESCO Group, July 8, 2011 for the Former Harman-Becker Automotive System 1201 South Ohio St., Martinsville, Indiana. 9 pp. (VFC# 68298934).

SESCO Group. January 2013. Response to IDEM's November 14 2012 letter RE: Kiddie pool scenario, Former Harman-Becker Facility, 1201 South Ohio Street, Martinsville, Morgan County, Project Site #1996-06-183. 7 pp. (VFC# 67374407).

SESCO Group. June 2013. *On-Site Characterization Report* for the Former Harman-Becker Automotive System 1201 South Ohio St., Martinsville, Indiana. (VFC# 68497279).

SESCO Group. July 2013. *Off-Site Characterization Report* for the Former Harman-Becker Automotive System 1201 South Ohio St., Martinsville, Indiana. (VFC# 68610655).

SESCO Group. April 2010. *Vapor Intrusion Investigation & Mitigation Report*, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. (VFC# 56657006).

SESCO Group. January 2011. Plant vapor compliance monitoring report, Former Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. State Cleanup Site # 1996-06-183. 1069 pp. (VFC# 6072744).

SESCO Group. July 2011. *Further Site Investigation Report*, Harman-Becker Automotive Systems, Inc., 1201 South Ohio Street, Martinsville, Indiana, 46151. State Cleanup Site # 1996- 06-183. 1069 pp. (VFC# 62953778).

Wiedemeier, T., and others. 1998. Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water. USEPA, Office of Res. and Development, EPA/600/R- 98/128.

Wittman Hydro Planning Associates, Inc. November 2004. Evaluation of Public Water Supply System, Martinsville, Indiana. 50 pp. (VFC# 43604925).

14.0 Environmental Professionals Signature

This *VRP* was prepared in accordance with the IDEM RCG. The Environmental Professionals represent that to the best of their knowledge, the above statements and facts are true and correct and that no material facts have been suppressed or misstated.



January 11, 2021

Stephen William Gray, **LPG #1811**
Senior Project Manager
SESCO Group

Date



January 11, 2021

Carla J. Gill, **CHMM #13243**
Director of Remediation Services
SESCO Group

Date

List of Appendices

Appendix 1 Groundwater Analytical Data and Groundwater Monitoring Well Network,
2020 VRIWP

Appendix 2 Figures: Site Maps 1A, 1B, 1C

Appendix 1

Groundwater Analytical Data and Groundwater Monitoring Well Network, 2020 VRIWP

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
ETS MW-1	6/3/1996	10.21-20.21	A376711	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	4.9	<1.0	7.6	<1.0	<1.0	<1.0	<1.0	
	11/8/1996		A392536	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	5.5	<1.0	10	<1.0	<1.0	<1.0	<1.0	
	11/8/1996 (Dup)		A392537	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	4.9	<1.0	10	<1.0	<1.0	<1.0	<1.0	
	2/17/1997		A400702	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.9	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	
	9/22/1997		A420822	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.9	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	
	3/24/1998		A436306	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455794	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	8.7	<5.0	<5.0	<5.0	<5.0	
	3/18/1999		A474514	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	3.6	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528994	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<25	2.2	<1.0	<1.0	<1.0	<1.0	
	4/9/2003		A625102	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	1.5	<1.0	<5.0	<5.0	<2.0	
	11/30/2004		A683024	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	1.1	<1.0	2.5	<1.0	<1.0	<1.0	<1.0
	1/9/2007		A757880	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.1
9/30/2008	A825617	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<2.0		
ETS MW-2	6/3/1996	9.74-19.74	A376712	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	11/6/1996		A392150	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	2/17/1997		A400700	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	2/17/1997 (Dup)		A401304	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	5/28/1997		A409093	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	
	9/22/1997		A420817	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	3/24/1998		A436310	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455792	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/18/1999		A474501	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528983	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	4/9/2003		A625103	<20	NA	<5.0	<5.0	1.3	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683048	<10	<1.0	<1.0	<1.0	1.9	<1.0	NA	<1.0	<1.0	<1.0	1.4	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	1/9/2007		A757886	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	
	10/7/2008		A826268	<10	<1.0	<1.0	<1.0	1.9	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<2.0

Non color-coded wells will not be sampled.

- Well Destroyed per Nov '19 and/or Jan '20 site visits.
- Well Destroyed per SESCO Site Recon 2019/20. Replace Well & Sample per 2020 VRIWP.
- Well located and total depths verified by SESCO Field Techs, Nov 2019 - Jan '20. Sample per

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
ETS MW-3 Destroyed. Replace and Sample.	5-11-1995	9.61-19.61	NA	NA	NA	<2.0	NA	<2.0	<2.0	NA	<2.0	<2.0	NA	NA	NA	NA	<2.0	NA	<2.0	<2.0	NA	<2.0	NA	
	6/3/1996		A376713	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/6/1996		A392149	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/1997		A401304	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/1997		A409094	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/1997		A420818	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436309	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455793	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474502	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528982	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625104	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683049	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	1.5	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2007		A757885	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
	1/9/2007 (Dup 2)		A757893	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
10/7/2008	A826269	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	<1.0	<2.0	
10/7/2008 (Dup 3)	A826270	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	<2.0	
MW-2 Could not be located Jan 2020. Likely destroyed or built over during building renovations.	6/29/1995	7.67-17.67	A346568	6,600,000	NA	<5,000	<5,000	<5,000	<5,000	<5,000	NA	NA	<5,000	NA	150,000	NA	<5,000	<5,000	<5,000	<5,000	<5,000	<10,000	<5,000	
	6/18/1996		A378077	16,000	NA	<100	<100	<100	<100	<100	NA	NA	<100	NA	<1000	NA	<100	<100	<100	<100	<100	<100	<100	<100
	6/18/1996 (Dup)		A378072	14,000	NA	<100	<100	<100	<100	<100	NA	NA	<100	NA	<1000	NA	<100	<100	<100	<100	<100	<100	<100	<100
	11/11/1996		A392628	7,800	NA	<50	<50	<50	<50	<50	NA	NA	<50	NA	<500	NA	<50	<50	<50	<50	<50	<50	<50	<50
	2/19/1997		A400868	110,000	NA	<50	<50	<50	<50	<50	NA	NA	<50	NA	890	NA	<50	<50	<50	<50	<50	<50	<50	<50
	5/28/1997		A409125	79	NA	<5.0	<5.0	<5.0	<5.0	10	NA	NA	<5.0	NA	<5.0	NA	26	<5.0	<5.0	<5.0	11	<5.0	<5.0	<5.0
	9/24/1997		A421126	54	NA	<1.0	<1.0	1.1	<1.0	12	NA	NA	2.7	NA	<1.0	NA	34	<1.0	<1.0	1.4	6.3	<1.0	2.9	<1.0
	3/25/1998		A436551	<120	NA	<5.0	<5.0	<5.0	<5.0	21	NA	NA	<5.0	NA	<50	NA	48	<5.0	<5.0	7.7	<5.0	<5.0	<5.0	<5.0
	9/22/1998		A455782	<20	NA	<5.0	<5.0	<5.0	<5.0	10	NA	NA	<5.0	NA	<10	NA	110	<5.0	<5.0	7.6	13	<5.0	<5.0	<5.0
	3/18/1999		A474535	<120	NA	<5.0	<5.0	<5.0	<5.0	7.4	NA	NA	<5.0	NA	<50	NA	110	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0
	8/30/2000		A529194	74	NA	<2.0	<2.0	<2.0	<2.0	75	NA	NA	<2.0	NA	<20	NA	86	<2.0	<2.0	7.9	<2.0	<2.0	<2.0	<2.0
	4/19/2001		A550636	<50	NA	<2.0	<2.0	<2.0	<2.0	4.8	NA	NA	<2.0	NA	<20	NA	90	<2.0	<2.0	3.3	<2.0	<2.0	<2.0	<2.0
	8/29/2001		A564747	55	NA	<2.0	<2.0	<2.0	<2.0	2.7	NA	NA	<2.0	NA	<20	NA	69	<2.0	<2.0	2.2	<2.0	<2.0	<2.0	<2.0
	4/10/2003		A625251	<20	NA	<5.0	<5.0	1.4	<5.0	2.3	NA	NA	<1.0	NA	<10	NA	130	<1.0	<1.0	2.2	<5.0	<5.0	<5.0	<2.0
11/30/2004	A683023	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	1.3	<1.0	<1.0	<1.0	<10	<1.0	130	<1.0	<1.0	1.3	1.9	<1.0	<1.0	<1.0		
1/12/2007	A758054	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	100	<1.0	<1.0	2.7	2.1	<1.0	<1.0	<1.1		
10/8/2008	A826283	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	66	<1.0	3	1.4	<1.0	<1.0	<2.0		

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-3	6/28/1995	8.77-18.77	A346384	250	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	150	5	41	6	<5.0	<10	<5.0	
	6/18/1996		A378076	51	NA	<100	<100	3.8	<1.0	21	NA	NA	<100	NA	<10	NA	230	<1.0	40	20	<5.0	9.6	<100	
	11/11/1996		A392622	<25	NA	<5.0	<5.0	<1.0	<1.0	2.5	NA	NA	<5.0	NA	<10	NA	110	1.7	30	13	<5.0	<1.0	<5.0	
	2/19/1997		A400869	45	NA	<50	<50	<1.0	<1.0	1.4	NA	NA	<50	NA	<10	NA	130	<1.0	21	7.2	<5.0	<1.0	<50	
	5/28/1997		A409127	<20	NA	<50	<50	<5.0	<5.0	<5.0	NA	NA	<50	NA	<10	NA	84	<5.0	12	6	<5.0	<5.0	<50	
	9/24/1997		A421125	21	NA	<1.0	<1.0	<1.0	<1.0	3	NA	NA	<1.0	NA	<1.0	NA	58	<1.0	9.1	5.7	<1.0	<1.0	<1.0	
	3/25/1998		A436550	<250	NA	<10	<10	<10	<10	<10	NA	NA	<10	NA	<100	NA	88	<10	<10	<10	<10	<10	<10	<10
	3/25/1998 (Dup)		A436555	<250	NA	<10	<10	<10	<10	<10	NA	NA	<10	NA	<100	NA	100	<10	<10	<10	<10	<10	<10	<10
	9/22/1998		A455783	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	52	<5.0	14	<5.0	<1.0	<5.0	<5.0	<5.0
	3/19/1999		A474534	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	35	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A529193	<25	NA	<1.0	<1.0	<1.0	<1.0	3	NA	NA	<1.0	NA	<10	NA	20	<1.0	4.5	<1.0	<1.0	<1.0	<1.0	<1.0
	4/19/2001		A550635	<25	NA	<1.0	<1.0	<1.0	<1.0	8.7	NA	NA	<1.0	NA	<10	NA	22	<1.0	5.4	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2001		A564746	<25	NA	<1.0	<1.0	<1.0	<1.0	2.8	NA	NA	<1.0	NA	<10	NA	21	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	<1.0
	4/10/2003		A625252	<20	NA	<5.0	<5.0	<1.0	<5.0	9.4	NA	NA	<1.0	NA	<10	NA	25	<1.0	29	2.2	<5.0	<5.0	<2.0	<2.0
11/30/2004	A683022	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	15	1.3	<1.0	<1.0	<10	<1.0	19	<1.0	22	9.4	<1.0	<1.0	<1.0	<1.0		
1/12/2007	A758055	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	23	2	<1.0	<1.0	<10	<1.0	81	<1.0	15	3.6	<1.0	<1.0	<1.0	<1.1		
10/8/2008	A826284	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	6.3	<1.0	<1.0	<1.0	<10	<1.0	92	<1.0	11	3.7	<1.0	<1.0	<1.0	<2.0		
MW-5	6/29/1995		A346567	57	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	300	<5.0	<5.0	<5.0	<5.0	<10	<5.0	
MW-6R	6/29/1995	7.22-17.22	A346569	1,500	NA	<5.0	<5.0	8	13	11,000	NA	NA	<5.0	NA	<10	NA	22,000	<5.0	<5.0	4,200	<5.0	1,100	<5.0	
	8/14/1995		A350730	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	7	<5.0	<5.0	5	<5.0	<10	<5.0	
	6/18/1996		A378074	<25	NA	<1.0	<1.0	<1.0	<1.0	12	NA	NA	<1.0	NA	<10	NA	55	<1.0	<1.0	17	<5.0	<1.0	<1.0	
	11/8/1996		A392529	<25	NA	<1.0	<1.0	<1.0	<1.0	2.1	NA	NA	<1.0	NA	<10	NA	26	<1.0	<1.0	2.8	<5.0	<1.0	<1.0	
	6/3/1997		A409556	<20	NA	<5.0	<5.0	<5.0	<5.0	15	NA	NA	<5.0	NA	<10	NA	94	<5.0	<5.0	10	<5.0	<5.0	<5.0	
	9/23/1997		A420836	<20	NA	<1.0	<1.0	<1.0	<1.0	14	NA	NA	<1.0	NA	<10	NA	34	<1.0	<1.0	4.9	<1.0	<1.0	<1.0	
	3/25/1998		A436548	<25	NA	<1.0	<1.0	<1.0	<1.0	11	NA	NA	<1.0	NA	<10	NA	38	<1.0	<1.0	6.5	<1.0	<1.0	<1.0	
	9/23/1998		A455781	<20	NA	<5.0	<5.0	<5.0	<5.0	110	NA	NA	<5.0	NA	<10	NA	75	<5.0	<5.0	20	<5.0	<5.0	<5.0	
	9/23/1998 (Dup)		A455788	<20	NA	<5.0	<5.0	<5.0	<5.0	120	NA	NA	<5.0	NA	<10	NA	73	<5.0	<5.0	21	<5.0	<5.0	<5.0	
	3/19/1999		A474536	<25	NA	<1.0	<1.0	<1.0	<1.0	43	NA	NA	<1.0	NA	<10	NA	24	<1.0	<1.0	11	<1.0	2.3	<1.0	
	8/30/2000		A529188	<25	NA	<2.0	<2.0	<2.0	<2.0	8.2	NA	NA	<2.0	NA	<10	NA	36	<2.0	<1.0	7.2	<2.0	<2.0	<2.0	
	4/10/2003		A625253	<20	NA	<5.0	<5.0	<1.0	<5.0	1.3	NA	NA	<1.0	NA	<10	NA	50	1.4	<1.0	4.0	<5.0	<5.0	<2.0	
	11/30/2004		A683026	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	4	<1.0	<1.0	<1.0	<10	<1.0	39	<1.0	<1.0	2.8	<1.0	<1.0	<1.0	
1/9/2007	A757891	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1		

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

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Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-7	6/29/1995	5.92-15.92	A346571	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	14	<5.0	<5.0	<5.0	<5.0	<10	<5.0	
	6/18/1996		A378071	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	11/6/1996		A392152	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	16	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	2/19/1997		A400896	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	3.2	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	5/28/1997		A409095	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420837	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436294	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-8	6/29/1995	5.92-15.92	A346573	35	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	6	<5.0	<5.0	<5.0	<5.0	<10	<5.0	
	6/18/1996		A378070	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	11/6/1996		A392151	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	14	NA	NA	<1.0	NA	<10	NA	1	<1.0	<1.0	4.6	<5.0	<1.0	<1.0
	2/18/1997		A400905	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	5/28/1997		A409096	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420830	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436300	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455805	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474508	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528986	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625105	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	11/30/2004		A683028	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2007		A757884	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
	10/8/2008		A826286	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
5/23/2012	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
MW-9	6/30/1995	9.9-19.9	A346722	<200	NA	<5.0	<5.0	<50	<50	960	NA	NA	<5.0	NA	<10	NA	470	<5.0	150	94	<5.0	<100	<5.0	
	6/13/1996		A377776	<25	NA	<1.0	<1.0	49	16	1,315	NA	NA	<1.0	NA	<10	NA	690	<1.0	160	200	<5.0	23	<1.0	
	6/13/1996 (Dup)		A377777	<25	NA	<1.0	<1.0	48	16	1,114	NA	NA	<1.0	NA	<10	NA	650	<1.0	150	210	<5.0	22	<1.0	
	11/11/1996		A392625	<1200	NA	<50	<50	<50	<50	780	NA	NA	<50	NA	<500	NA	740	<50	180	170	<5.0	<50	<50	
	5/28/1997		A409097	<20	NA	<5.0	<5.0	27	11	810	NA	NA	<5.0	NA	<10	NA	680	<5.0	150	140	<5.0	<5.0	<5.0	
	3/24/1998		A436290	<1200	NA	<50	<50	<50	<50	810	NA	NA	<50	NA	<500	NA	990	<50	170	220	<50	<50	<50	
	9/22/1998		A455811	<200	NA	<50	<50	<50	<50	280	NA	NA	<50	NA	<100	NA	500	<50	110	110	<50	<50	<50	
	3/19/1999		A474528	<250	NA	<10	<10	<10	<10	170	NA	NA	<10	NA	<100	NA	350	<10	110	160	<10	<10	<10	
8/30/2000	A529198	<1300	NA	<50	<50	<50	<50	240	NA	NA	<50	NA	<500	NA	520	<50	<50	62	<50	<50	<50			

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Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

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IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-9 (Continued)	4/19/2001	9.9-19.9	A550641	<500	NA	<20	<20	<20	<20	540	NA	NA	<20	NA	<200	NA	370	<20	31	58	<20	<20	<20	
	8/29/2001		A5647444	<500	NA	<20	<20	<20	<20	<20	470	NA	NA	<20	NA	<200	NA	330	<20	45	79	<20	<20	<20
	4/11/2003		A625254	<20	NA	<5.0	<5.0	4.9	<5.0	505.7	NA	NA	<1.0	NA	<10	NA	340	1.2	49	72	<5.0	<5.0	<2.0	
	10/15/2003		A642831	<1.0	NA	<1.0	<1.0	4.4	<1.0	369.5	NA	NA	<1.0	NA	<5.0	NA	360	<1.0	42	73	<1.0	<1.0	<1.0	
	12/1/2004		A683042	<10	<1.0	<1.0	<1.0	<1.0	<1.0	595.3	590	5.3	<1.0	<1.0	<10	<1.0	170	<1.0	48	88	<1.0	<1.0	<1.0	
	1/10/2007		A757899	<10	<1.0	<1.0	<1.0	<1.0	<1.0	549.7	540	9.7	<1.0	<1.0	<10	<1.0	270	<1.0	27	77	<1.0	<1.0	<1.1	
	10/7/2008		A826279	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	1	16	<1.0	<1.0	<2.0	
	12/17/2012		Could not be found by Eco-Innovators on 17-Dec-12																					
	6/2/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	1,120	13.7	NA	NA	NA	NA	NA	361	NA	<5.0	151	NA	12.0	NA
3/27/2017	Well dry, not sampled																							
MW-10	6/30/1995	9.73-19.73	A346725	21	NA	<5.0	<5.0	<5.0	14	<5.0	NA	NA	<5.0	NA	<10	NA	8	<5.0	<5.0	<5.0	<5.0	10	<5.0	
	6/13/1996		A377778	<25	NA	<1.0	<1.0	9.4	<1.0	1.2	NA	NA	<1.0	NA	<10	NA	18	<1.0	<1.0	1	<5.0	<1.0	<1.0	
	11/8/1996		A392546	<25	NA	<1.0	<1.0	18	<1.0	17	NA	NA	<1.0	NA	<10	NA	9.1	<1.0	<1.0	1.1	<5.0	16	<1.0	
	5/28/1997		A409099	<20	NA	<5.0	<5.0	15	<5.0	65	NA	NA	<5.0	NA	<10	NA	40	<5.0	10	9	<5.0	22	<5.0	
	9/23/1997		A420841	<20	NA	4	<1.0	13	2.5	55.3	NA	NA	<1.0	NA	<1.0	NA	40	<1.0	7.4	13	<1.0	91	<1.0	
	3/24/1998		A436288	<20	NA	<1.0	<1.0	18	<1.0	9	NA	NA	<1.0	NA	<1.0	NA	49	<1.0	2.6	5.1	<1.0	3.3	<1.0	
	3/24/1998 (Dup)		A436288	<25	NA	<1.0	<1.0	12	<1.0	11	NA	NA	<1.0	NA	<10	NA	58	<1.0	2	5.6	<1.0	2.7	<1.0	
	9/22/1998		A455812	<20	NA	<5.0	<5.0	8.4	<5.0	31	NA	NA	<5.0	NA	<10	NA	90	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/9/1998		A464353	<10	NA	<1.0	<1.0	4.8	<1.0	5.2	NA	NA	<1.0	NA	<5.0	NA	170	<1.0	<1.0	8	<1.0	4.1	<1.0	
	3/19/1999		A474524	<25	NA	<1.0	<1.0	13	<1.0	11	NA	NA	<1.0	NA	<10	NA	31	<1.0	1.9	2.9	<1.0	2.8	<1.0	
	8/30/2000		A529206	<50	NA	<2.0	<2.0	<2.0	3.7	7.3	NA	NA	<2.0	NA	<20	NA	74	<2.0	7.1	8.3	<2.0	<2.0	<2.0	
	4/19/2001		A550640	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	3.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/29/2001		A564742	<25	NA	<1.0	<1.0	4.8	<1.0	7.7	NA	NA	<1.0	NA	<10	NA	30	<1.0	4.5	2.7	<1.0	<1.0	<1.0	
	4/10/2003		A625255	<20	NA	<5.0	<5.0	1	<5.0	16	NA	NA	<1.0	NA	<10	NA	100	<1.0	<1.0	4.6	<5.0	<5.0	<2.0	
	4/10/2003 (Dup)		A625266	<20	NA	<5.0	<5.0	<1.0	<5.0	15	NA	NA	<1.0	NA	<10	NA	100	<1.0	<1.0	4.4	<5.0	<5.0	<2.0	
	10/15/2003		A642832	<1.0	NA	<1.0	<1.0	<1.0	<1.0	73.8	NA	NA	<1.0	NA	<5.0	NA	98	<1.0	<1.0	9.3	<1.0	<1.0	<1.0	
	12/1/2004		A683044	<10	<1.0	<1.0	<1.0	4	<1.0	205.7	200	5.7	<1.0	<1.0	<10	<1.0	180	<1.0	48	87	<1.0	<1.0	<1.0	
	12/1/2004 (Dup 3)		A683031	<10	<1.0	<1.0	<1.0	<1.0	<1.0	197.5	190	7.5	<1.0	<1.0	<10	<1.0	160	<1.0	<1.0	7.9	<1.0	5.2	<1.0	
	1/10/2007		A757901	<10	<1.0	<1.0	<1.0	<1.0	<1.0	56.2	53	3.2	<1.0	<1.0	<10	<1.0	85	<1.0	<1.0	8.1	<1.0	2.6	<1.1	
	10/7/2008		A826277	<10	<1.0	<1.0	<1.0	2.2	<1.0	20.3	14	6.3	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	12	39	<1.0	<1.0	<1.1
6/14/2010	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<1.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<1.0	NA	<2.0	NA		
12/17/2012	Could not be found by Eco-Innovators on 17-Dec-11																							
6/1/2016	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	42.9	NA	<5.0	<5.0	NA	<2.0	NA		
3/27/2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	29.9	NA	<5.0	<5.0	NA	<2.0	NA		

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-13 Could not open well cover w/o damaging epoxy floor sealant, Jan '20	7/18/1995	6.97-16.97	A348080	300	NA	<5.0	<5.0	<5.0	<5.0	79	NA	NA	<5.0	NA	<10	NA	4,000	8	32	70	<5.0	57	<5.0	
	6/18/1996		A378075	290	NA	<5.0	<5.0	2.5	1	122.3	NA	NA	<5.0	NA	<10	NA	2,300	2.6	12	110	<5.0	37	<5.0	
	11/11/1996		A392626	<1200	NA	<50	<50	<50	<50	600	NA	NA	<50	NA	<500	NA	2,300	<50	<50	69	<5.0	<50	<50	
	2/19/1997		A400870	<1200	NA	<50	<50	<50	<50	450	NA	NA	<50	NA	<500	NA	2,200	<50	<50	70	<5.0	<50	<50	
	2/19/1997 (Dup)		A400871	<1200	NA	<50	<50	<50	<50	430	NA	NA	<50	NA	<500	NA	2,200	<50	<50	69	<5.0	<50	<50	
	5/28/1997		A409128	30	NA	<5.0	<5.0	<5.0	<5.0	140	NA	NA	<5.0	NA	<10	NA	2,000	<5.0	<50	19	66	<5.0	<5.0	<5.0
	9/24/1997		A421123	49	NA	<1.0	<1.0	<1.0	<1.0	68.5	NA	NA	<1.0	NA	<1.0	NA	1,000	1.6	7.2	16	<1.0	<1.0	<1.0	
	9/25/1997 (Dup)		A421127	46	NA	<1.0	<1.0	<1.0	<1.0	68	NA	NA	<1.0	NA	<1.0	NA	1,500	1.4	6.7	16	<1.0	<1.0	<1.0	
	3/25/1998		A436561	<50	NA	<50	<50	<50	<50	<50	NA	NA	<50	NA	<50	NA	550	<50	<50	<50	<50	<50	<50	<50
	9/23/1998		A455791	<200	NA	<50	<50	<50	<50	<50	NA	NA	<50	NA	<100	NA	520	6.1	12	5.1	<50	<50	<50	
	3/19/1998		A474533	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<20	NA	310	<5.0	2.9	6.2	<5.0	<5.0	<5.0	
	8/30/2000		A529196	310	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	630	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	
	4/19/2001		A550637	<630	NA	<25	<25	<25	<25	<25	110	NA	NA	<25	NA	<250	NA	440	<25	<25	<25	<25	<25	<25
	8/29/2001		A564748	<500	NA	<20	<20	<20	<20	<20	52	NA	NA	<20	NA	<200	NA	330	<20	<20	<20	<20	<20	<20
	4/10/2003		A625256	<20	NA	<5.0	<5.0	<1.0	<5.0	104.9	NA	NA	<1.0	NA	<10	NA	660	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	11/30/2004		A683021	<10	<1.0	<1.0	<1.0	<1.0	<1.0	48.6	46	2.6	<1.0	<1.0	<10	<1.0	390	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1/12/2007	A758057	<10	<1.0	<1.0	<1.0	<1.0	<1.0	4	4	<1.0	<1.0	<1.0	<10	<1.0	250	<1.0	7.4	17	<1.0	<1.0	<1.0	<1.1		
10/8/2008	A826281	<10	<1.0	<1.0	<1.0	<1.0	<1.0	25.4	24	1.4	<1.0	<1.0	<10	<1.0	260	<1.0	9.0	21	<1.0	<1.0	<1.0	<2.0		
MW-13B	5/21/2010	24-34	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	220	NA	<1.0	<1.0	NA	<1.0	NA	
	11/3/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	8.4	<1.0	NA	NA	NA	NA	200	NA	<1.0	2.0	NA	<1.0	NA	
MW-13C. Not found Jan 2020, covered with equipment of epoxy flooring sealant	5/21/2010	39-49	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	2.6	NA	<1.0	<1.0	NA	<1.0	NA	
	11/3/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	0.73	<1.0	<1.0	NA	NA	NA	NA	0.98	NA	<1.0	<1.0	NA	<1.0	NA
MW-13E	5/21/2010	93.5-103.5	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/3/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	

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IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-15	8/11/1995	7.04-17.04	A350612	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	98	<5.0	<5.0	<5.0	<5.0	<10	<5.0	
	6/13/1996		A377774	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	100	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	11/8/1996		A392527	<120	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	87	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	2/19/1997		A400895	<120	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	85	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	5/28/1997		A409100	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	110	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420838	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	64	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
	9/23/1997 (Dup)		A420839	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	61	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436293	<120	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<50	NA	57	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455809	<20	NA	<5.0	<5.0	19	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	64	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/1998 (Dup)		A455786	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	73	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/19/1999		A474520	<25	NA	<1.0	<1.0	<1.0	<1.0	1.8	NA	NA	<1.0	NA	<10	NA	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3/19/1999 (Dup)	A474526	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
8/30/2000	A529203	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
MW-16	8/11/1995		A350613	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	620	<5.0	24	<5.0	<5.0	<10	<5.0	
MW-17	8/14/1995	7.04-17.04	A350727	16,000	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	5,400	NA	<250	<5.0	<250	<5.0	<5.0	<10	<5.0	
	6/13/1996		A377779	<25	NA	<1.0	<1.0	1.1	<1.0	3.7	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	51	<1.0	
	11/11/1996		A392621	<25	NA	<1.0	<1.0	1.7	<1.0	23	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	14	<1.0	
	5/29/1997		A409312	<20	NA	<5.0	<5.0	<5.0	<5.0	200	NA	NA	<5.0	NA	<10	NA	7	<5.0	<5.0	6	<5.0	150	<5.0	
	3/24/1998		A436287	<500	NA	31	<20	<20	<20	720	NA	NA	<20	NA	<200	NA	<20	<20	<20	<20	<20	380	<20	
	9/23/1998		A455787	<200	NA	<50	<50	<50	<50	663.3	NA	NA	<50	NA	<100	NA	12	<50	<50	11	<50	460	<50	
	12/9/1998		A464351	<10	NA	<1.0	<1.0	2.1	2.5	1,309	NA	NA	<1.0	NA	<5.0	NA	11	<1.0	<1.0	13	<1.0	650	<1.0	
	3/19/1999		A474523	<620	NA	<25	<25	<25	<25	1,000	NA	NA	<25	NA	<250	NA	<25	<25	<25	<25	<25	<25	<25	
	8/30/2000		A529199	<130	NA	<5.0	<5.0	<5.0	<5.0	210	NA	NA	<5.0	NA	<50	NA	62	<5.0	<5.0	18	<5.0	47	<5.0	
	4/19/2001		A550639	<500	NA	<20	<20	<20	<20	570	NA	NA	<20	NA	<200	NA	61	<20	<20	66	<20	<20	<20	
	8/29/2001		A564745	<500	NA	<20	<20	<20	<20	320	NA	NA	<20	NA	<200	NA	150	<20	<20	56	<20	<20	<20	
	4/10/2003		A625258	<20	NA	<5.0	<5.0	<5.0	<5.0	475	NA	NA	<1.0	NA	<10	NA	160	1.1	<1.0	100	NA	210	<2.0	
	12/1/2004		A683045	<10	<1.0	<1.0	<1.0	1.3	3.7	1,622	1,600	22	<1.0	<1.0	<10	<1.0	260	<1.0	<1.0	110	<1.0	270	<1.0	
	1/10/2007		A757903	<10	<1.0	<1.0	<1.0	<1.0	1.9	490	480	10	<1.0	<1.0	<10	<1.0	130	<1.0	<1.0	46	<1.0	97	<1.1	
	10/7/2008		A826275	<10	<1.0	<1.0	<1.0	<1.0	<1.0	68	62	5.8	<1.0	<1.0	<10	<1.0	970	<1.0	<1.0	69	<1.0	<1.0	<2.0	
	12/30/2008		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	22.0	1.90	NA	NA	NA	NA	1,100	NA	<1.0	52.0	NA	<1.0	NA	
	6/14/2010		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	17.3	<5.0	NA	NA	NA	NA	191	NA	<5.0	13.9	NA	2.09	NA	
	12/17/2012		Could not be found by Eco-Innovatorson 17-Dec-12																					
6/1/2016	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	161	NA	<5.0	11.6	NA	<2.0	NA		
3/24/2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	12.1	NA	<5.0	<5.0	NA	<2.0	NA		

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1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA		
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-18	8/14/1995	8.11-18.11	A350728	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	41	<5.0	27	<5.0	<5.0	<10	<5.0	
	6/13/1996		A377775	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	38	<1.0	39	<1.0	<5.0	<1.0	<1.0
	11/8/1996		A392549	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	7.2	<1.0	79	<1.0	<5.0	<1.0	<1.0
	5/28/1997		A409101	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	12	<5.0	56	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420840	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	15	<1.0	58	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436291	<62	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	NA	<2.5	NA	<25	NA	26	<2.5	52	<2.5	<2.5	<2.5	<2.5
	9/22/1998		A455810	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	17	<5.0	77	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474518	<120	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	<5.0	<5.0	50	<5.0	<5.0	<5.0	<5.0
	8/30/2000		A529205	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	2.3	<1.0	23	<1.0	<1.0	<1.0	<1.0
	4/19/2001		A550634	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	19	<1.0	<1.0	<1.0	<1.0
	8/29/2001		A564743	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	2.3	<1.0	23	<1.0	<1.0	<1.0	<1.0
	4/10/2003		A625259	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	2.3	<1.0	20	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683040	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	4.6	<1.0	14	<1.0	<1.0	<1.0	<1.0
	1/10/2007		A757898	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	5.9	<1.0	11	<1.0	<1.0	<1.0	<1.1
	10/7/2008		A826280	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	5.3	<1.0	3.6	<1.0	<1.0	<1.0	<2.0
	12/17/2012		Could not be found by Eco-Innovatorson 17-Dec-12																					
6/2/2016	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
3/27/2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
MW-19	8/11/1995	8.11-18.11	A350614	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	56	<5.0	6	<5.0	<5.0	<10	<5.0	
	8/11/1995 (Dup)		A350615	<20	NA	<1.0	<1.0	<5.0	<5.0	<5.0	NA	NA	<1.0	NA	<10	NA	69	<5.0	<5.0	<5.0	<5.0	<10	<1.0	
	8/11/1995		A354193	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	80	<1.0	4	<1.0	<5.0	<1.0	<1.0	
	6/12/1996		A377503	<125	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/11/1996		A392619	<25	NA	<20	<20	<1.0	<1.0	<1.0	NA	NA	<20	NA	<10	NA	14	<1.0	13	<1.0	<5.0	<1.0	<20	
	2/18/1997		A400906	<25	NA	<50	<50	<1.0	<1.0	<1.0	NA	NA	<50	NA	<10	NA	6.1	<1	13	<1.0	<5.0	<1.0	<50	
	5/28/1997		A409107	<20	NA	<1.0	<1.0	<5.0	<5.0	<5.0	NA	NA	<1.0	NA	<10	NA	50	<5.0	9	<5.0	<5.0	<5.0	<1.0	
	9/23/1997		A420829	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	52	<1.0	9.1	<1.0	<1.0	<1.0	<1.0	
	3/24/1998		A436298	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	18	<1.0	6.8	<1.0	<1.0	<1.0	<1.0	
	3/24/1998 (Dup)		A436299	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	13	<1.0	5.9	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455801	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	32	<5.0	13	<5.0	<5.0	<5.0	<5.0	
	9/22/1998 (Dup)		A455802	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	22	<5.0	11	<5.0	<5.0	<5.0	<5.0	
	3/18/1999		A474517	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	11	<1.0	8.1	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528993	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	2.1	<1.0	6.2	<1.0	<1.0	<1.0	<1.0	
4/9/2003	A625107	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	4.2	<1.0	3.9	<1.0	<5.0	<5.0	<2.0		

 Well Destroyed per Nov '19 and/or Jan '20 site visits.
 Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
 Well located and total depths verified No '19 - Jan '20. Sample.

**Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary**
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total		
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000		
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA		
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA		
MW-20	8/11/1995	7.17-17.17	A350617	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0		
	6/12/1996		A377497	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	1.4	<1.0	<5.0	<1.0	<1.0	
	11/8/1996		A392541	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	2/17/1997		A400697	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	1.5	<1.0	<1.0	<5.0	<1.0	<1.0	
	5/28/1997		A409108	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/22/1997		A420820	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455785	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/1999		A474506	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/1999		A528988	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625108	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	1.5	4.1	<1.0	<5.0	<5.0	<2.0	
	11/30/2004		A683017	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	1	<1.0	13	<1.0	<1.0	<1.0	<1.0	
	1/12/2007		A758051	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	12	<1.0	<1.0	<1.0	<1.0	
	9/29/2008		A825620	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	5.3	1.9	<1.0	<1.0	<2.0	
MW-20R	5-21-2010	9-19	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	3.20	<1.0	NA	<1.0	NA		
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	1.80	<1.0	NA	<1.0	NA		
	5/22/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA		
	5-26-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
MW-21	8/11/1995	7.95-17.95	A350618	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0		
	6/12/1996		A377496	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	11/8/1996		A392540	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	2/17/1997		A400696	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	5/28/1997		A409109	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/22/1997		A420821	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455803	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	3/18/1999		A474505	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528985	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	4/9/2003		A625109	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	
	11/30/2004		A683016	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
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1201 South Ohio Street, Martinsville, IN 46151
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Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA		
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA		
MW-22	8/11/1995	7.39-17.39	A350619	<20	NA	<5.0	<5.0	<5.0	<5.0	74	NA	NA	<5.0	NA	<10	NA	100	<5.0	15	8	<5.0	<10	<5.0	
	6/12/1996		A377501	<25	NA	<1.0	<1.0	6.1	2.1	1.4	NA	NA	<1.0	NA	<10	NA	180	<1.0	24	36	<5.0	<1.0	<1.0	
	11/11/1996		A392620	<120	NA	<5.0	<5.0	<5.0	<5.0	23	NA	NA	<5.0	NA	<50	NA	280	<5.0	42	42	<5.0	<5.0	<5.0	
	2/17/1997		A400704	<620	NA	<25	<25	<25	<25	<25	100	NA	NA	<25	NA	<250	NA	910	<25	26	33	<5.0	<25	<25
	2/17/1997 (Dup)		A401936	<620	NA	<25	<25	<25	<25	<25	100	NA	NA	<25	NA	<250	NA	900	<25	27	34	<5.0	<25	<25
	5/28/1997		A409110	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	40	NA	NA	<5.0	NA	<5.0	NA	1,200	<5.0	13	22	<5.0	<5.0	<5.0
	9/23/1997		A420832	<20	NA	<1.0	<1.0	2.7	<1.0	85.2	NA	NA	<1.0	NA	<1.0	NA	100	<1.0	8.6	12	<1.0	<1.0	<1.0	
	3/24/1998		A436296	<500	NA	<20	<20	<20	<20	<20	130	NA	NA	<20	NA	<200	NA	1,000	<20	24	<20	<20	<20	<20
	9/22/1998		A455807	<200	NA	<10	<5.0	<5.0	<5.0	100	NA	NA	<50	NA	<100	NA	620	<50	27	<5.0	<5.0	<5.0	<20	
	12/9/1998		A464355	<10	NA	<1.0	<1.0	<1.0	<1.0	30	NA	NA	<1.0	NA	<5.0	NA	820	<1.0	<1.0	33	<1.0	<1.0	<1.0	
	3/19/1999		A474521	<620	NA	<25	<25	<25	<25	<25	100	NA	NA	<25	NA	<250	NA	620	<25	<25	<25	<25	<25	<25
	8/30/2000		A529190	<630	NA	<25	<25	<25	<25	<25	<25	NA	NA	<25	NA	<250	NA	370	<25	<25	<25	<25	<25	<25
	4/19/2001		A550633	<250	NA	<10	<10	<10	<10	<10	12	NA	NA	<10	NA	<100	NA	350	<10	10	16	<10	<10	<10
	8/29/2001		A564740	<250	NA	<10	<10	<10	<10	<10	12	NA	NA	<10	NA	<100	NA	440	<10	<10	15	<10	<10	<10
	4/10/2003		A625260	<20	NA	<5.0	<5.0	1.5	<5.0	36	NA	NA	<1.0	NA	<10	NA	360	<1.0	7.1	13.0	<5.0	<5.0	<2.0	
	10/15/2003		A642833	<1.0	NA	<1.0	<1.0	3.6	<1.0	86	NA	NA	<1.0	NA	<5.0	NA	520	<1.0	<1.0	12	<1.0	<1.0	<1.0	
	12/1/2004		A683036	<10	<1.0	<1.0	<1.0	5.3	<1.0	263.1	260	3.1	<1.0	<1.0	<1.0	<1.0	770	<1.0	5.1	7.8	<1.0	<1.0	<1.0	
	1/11/2007		A758047	<10	<1.0	<1.0	<1.0	12	<1.0	81.9	77	4.9	<1.0	<1.0	<1.0	<1.0	670	<1.0	4.6	8.9	<1.0	2.8	<1.1	
	9/30/2008		A825619	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	460	<1.0	<1.0	1.7	<1.0	<1.0	<2.0	
	4-23-2012		NA	NA	NA	12.3	NA	10.8	NA	NA	1,190	30.7	NA	NA	NA	NA	155	NA	<5.0	<5.0	NA	126	NA	
5-23-2012	NA	NA	NA	<5.0	NA	8.6	<5.0	NA	1,580	47.2	NA	NA	NA	NA	101	NA	<5.0	<5.0	NA	60.6	NA			
5-25-2016	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	245	6.4	NA	NA	NA	NA	75.4	NA	<5.0	10.0	NA	8.6	NA			
3-23-2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	135	5.9	NA	NA	NA	NA	75.9	NA	<5.0	16.3	NA	5.2	NA			
MW-23	8/11/1995	7.11-17.11	A350620	<20	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	6	<5.0	76	<5.0	<5.0	<10	<5.0		
	6/12/1996		A377499	<25	NA	<1.0	<1.0	<1.0	1.2	<1.0	NA	NA	<1.0	NA	<10	NA	10	<1.0	60	<1.0	<5.0	<1.0	<1.0	
	6/12/1996 (Dup)		A377500	<25	NA	<5.0	<5.0	<1.0	1.1	<1.0	NA	NA	<5.0	NA	<10	NA	9.7	<1.0	59	<1.0	<5.0	<1.0	<5.0	
	11/8/1996		A392550	<25	NA	<25	<25	<1.0	<1.0	<1.0	NA	NA	<25	NA	<10	NA	11	<1.0	83	<1.0	<5.0	<1.0	<25	
	2/17/1997		A400703	<50	NA	<25	<25	<2.0	<2.0	<2.0	NA	NA	<25	NA	<20	NA	9	<2.0	53	<2.0	<5.0	<2.0	<25	
	5/28/1997		A409111	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	12	<5.0	46	<5.0	<5.0	<5.0	<5.0	
	9/23/1997		A420831	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	14	<1.0	67	<1.0	<1.0	<1.0	<1.0	
	3/24/1998		A436297	<62	NA	<2.5	<2.5	<2.5	<2.5	<2.5	NA	NA	<2.5	NA	<25	NA	22	<2.5	97	<2.5	<2.5	<1.0	<2.5	
	9/22/1998		A455806	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	16	<5.0	65	<5.0	<5.0	<5.0	<5.0	
	3/18/1999		A474519	<120	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	11	<5.0	56	<5.0	<5.0	<5.0	<5.0	
8/30/2000	A529189	<62	NA	<2.5	<2.5	<2.5	<2.5	<2.5	NA	NA	<2.5	NA	<25	NA	23	<2.5	37	<2.5	<2.5	<1.0	<2.5			

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA
MW-23 (Continued)	4/19/2001	7.11-17.11	A550632	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	15	<1.0	20	<1.0	<1.0	<1.0	<1.0
	8/29/2001		A564739	27	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	18	<1.0	26	<1.0	<1.0	<1.0	<1.0
	4/10/2003		A625261	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	27 B	<1.0	18	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683037	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13	<1.0	22	<1.0	<1.0	<1.0	<1.0
	1/11/2007		A758046	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	<1.0	3.7	<1.0	<1.0	<1.0	<1.1
	9/30/2008		A825618	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	<1.0	4.8	<1.0	<1.0	<1.0	<2.0
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	9.1	NA	<5.0	<5.0	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	9.3	NA	<5.0	<5.0	NA	<2.0	NA
MW-24	9/14/1995	7.95-17.95	A354183	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	8	<5.0	<5.0	<5.0	<5.0	<10	<5.0
	6/12/1997		A377504	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	4.6	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	11/8/1996		A392545	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	3.6	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
	2/18/1997		A400909	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.4	1.5	<1.0	<1.0	<5.0	<1.0	<1.0
	5/28/1997		A409112	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420827	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/1997 (Dup)		A420828	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436301	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455800	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	5.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
3/18/1999	A474515	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
MW-25	9/14/1995	7.95-17.95	A354181	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	10	<5.0	<5.0	<10	<5.0
	6/12/1996		A377505	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	1.8	<1.0	<5.0	<1.0	<1.0
	11/8/1996		A392538	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	5	<1.0	<5.0	<1.0	<1.0
	11/8/1996		A392544	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	3.3	<1.0	<5.0	<1.0	<1.0
	2/17/1997		A400706	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	1.4	5.4	<1.0	<5.0	<1.0	<1.0
	5/28/1997		A409113	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	9	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420826	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	18	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436303	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	14	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455799	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	26	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474516	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	9.5	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528995	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	4.1	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625110	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.5	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683039	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2	<1.0	<1.0	<1.0	<1.0
	1/10/2007		A757897	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.1
	9/30/2008		A825614	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	1.5	<1.0	<1.0	<2.0
9/30/2008 (Dup-1)	A825615	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	2.7	2.3	<1.0	<2.0	

 Well Destroyed per Nov '19 and/or Jan '20 site visits.
 Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
 Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-26	9/14/1995	7.81-17.81	A354187	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	6/12/1996		A377498	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/8/1996		A392542	<25	NA	<1.0	<1.0	<1.0	<1.0	1	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/1997		A400698	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/1997		A409114	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
	9/22/1997		A420819	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	2.7	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0
	9/22/1998		A455804	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/1999		A474507	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528989	<25	NA	<1.0	<1.0	<1.0	3.3	<1.0	2.9	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/19/2001		A550631	<25	NA	<1.0	<1.0	<1.0	1.6	<1.0	6.9	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2001		A564738	<25	NA	<1.0	<1.0	<1.0	1.2	<1.0	4.8	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0
	8/29/2001 (Dup)		A564752	<25	NA	<1.0	<1.0	<1.0	1.1	<1.0	4.4	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0
	4/9/2003		A625111	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	1.6	3.9	<5.0	<5.0	<2.0
	4/9/2003 (Dup)		A625117	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	1.6	4.5	<5.0	<5.0	<2.0
	11/30/2004		A683018	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	6	9.3	<1.0	<1.0	<1.0
1/12/2007	A758052	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.1		
9/29/2008	A825621	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	2	<1.0	<1.0	<1.0	<2.0		
MW-26C	5-21-2010	38-48	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	<5.0	NA
MW-26R	5-21-2010	8-18	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	140	NA	<1.0	<1.0	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	6.4	<1.0	NA	NA	NA	NA	671	NA	0.58	2.6	NA	<1.0	NA	
	5/22/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	105	NA	<5.0	<5.0	NA	<5.0	NA	
	5-1-2016		Polaris did not sampled per Resolution Partners March 2016 SAP																					
3-1-2017	Polaris did not sampled per Resolution Partners March 2016 SAP																							
MW-27	9/14/1995	7.94-17.94	A354188	36,000	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	9,700	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	6/12/1996		A377502	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	11/11/1996		A392623	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	26	
	2/17/1997		A400705	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	7.3	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	7.5	
	5/28/1997		A409115	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	14	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	20	
	9/23/1997		A420834	<20	NA	2	<1.0	1.9	<1.0	63	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	73	
	3/24/1998		A436295	<120	NA	5.8	<5.0	<5.0	<5.0	38	NA	NA	<5.0	NA	<50	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	100	
	9/22/1998		A455808	<20	NA	<5.0	<5.0	<5.0	<5.0	120	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	130	
	12/9/1998		A464356	<10	NA	<1.0	<1.0	<1.0	1.8	561	NA	NA	2.3	NA	<5.0	NA	6.5	<1.0	<1.0	2.9	<1.0	110		
	3/19/1999		A474529	<120	NA	<5.0	<5.0	<5.0	<5.0	236.9	NA	NA	<5.0	NA	<50	NA	8.5	<5.0	<5.0	5.8	<5.0	70		
	8/30/2000		A529191	<62	NA	<2.5	<2.5	<2.5	<2.5	237	NA	NA	<2.5	NA	<25	NA	12	<2.5	<2.5	11	<2.5	12		
8/30/2000 (Dup)	A529192	<62	NA	<1.0	<1.0	<1.0	<1.0	<1.0	316.9	NA	NA	<1.0	NA	<10	NA	11	<1.0	10	13	<1.0	9.1			

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Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA
MW-27 (Continued)	4/19/2001	7.94-17.94	A550630	<50	NA	<2.0	<2.0	<2.0	<2.0	4.4	NA	NA	<2.0	NA	<20	NA	5.3	<2.0	<2.0	2.8	<2.0	9.7	<2.0
	8/29/2001		A564741	<130	NA	<5.0	<5.0	<5.0	<5.0	120	NA	NA	<5.0	NA	<50	NA	<5.0	<5.0	<5.0	<5.0	<5.0	51	<5.0
	4/10/2003		A625262	<20	NA	<5.0	<5.0	1.8	<5.0	204.2	NA	NA	<1.0	NA	<10	NA	2.9 B	<1.0	<1.0	1.9	<5.0	61	<2.0
	12/1/2004		A683034	<10	<1.0	<1.0	<1.0	<1.0	3.9	229.6	220	9.6	<1.0	<1.0	<10	<1.0	35	<1.0	<1.0	12	<1.0	57	<1.0
	1/11/2007		A758049	<10	<1.0	<1.0	<1.0	<1.0	2.1	95.7	92	3.7	<1.0	<1.0	<10	<1.0	5.2	<1.0	<1.0	6.1	<1.0	21	<1.1
	4-23-2012		NA	NA	NA	<5.0	NA	<5.0	NA	NA	11.1	<5.0	NA	NA	NA	NA	249	NA	<5.0	24.0	NA	<2.0	NA
	5-23-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	14.5	<5.0	NA	NA	NA	NA	501	NA	<5.0	6.20	NA	<2.0	NA
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	21.7	<5.0	NA	NA	NA	NA	268	NA	<5.0	13.5	NA	<2.0	NA
3-23-2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	28.6	<5.0	NA	NA	NA	NA	248	NA	<5.0	13.6	NA	2.3	NA		
MW-28	9/14/1995	6.77-16.77	A354189	<25	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	53	<1.0	3	10	<1.0	<1.0	<1.0	
	6/3/1996		A376715	<25	NA	<1.0	<1.0	<1.0	<1.0	2.7	NA	NA	<1.0	NA	<10	NA	45	<1.0	<1.0	7.3	<1.0	<1.0	<1.0
	11/8/1996		A392548	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	53	<1.0	1.1	5.3	<1.0	NA	<1.0
	2/18/1997		A400904	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	29	<1.0	<1.0	1.8	<1.0	<1.0	<1.0
	5/28/1997		A409116	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	48	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
	9/23/1997		A420825	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	70	<1.0	1	3	<1.0	<1.0	<1.0
	3/24/1998		A436307	<25	NA	<1.0	<1.0	<1.0	<1.0	1.2	NA	NA	<1.0	NA	<10	NA	48	<1.0	1.3	4.7	<1.0	<1.0	<1.0
	9/22/1998		A455797	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<20	NA	13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474512	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	12	<1.0	<1.0	1.8	<1.0	<1.0	<1.0
	8/30/2000		A528996	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	12	<1.0	<1.0	1.2	<1.0	<1.0	<1.0
	4/9/2003		A625112	<20	NA	<5.0	<5.0	<1.0	<5.0	4.1	NA	NA	<1.0	NA	<10	NA	36	<1.0	<1.0	1.7	<5.0	<5.0	<2.0
	12/1/2004		A683046	<10	<1.0	<1.0	<1.0	<1.0	<1.0	3.9	3.9	<1.0	<1.0	<1.0	<10	<1.0	89	<1.0	1.3	2.1	<1.0	<1.0	<1.0
	1/9/2007		A757890	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
	10/7/2008		A826274	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	5.5	<1.0	<1.0	<2.0
5/23/2012	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA		
MW-29	9/14/1995	7-17	A354190	<25	NA	<1.0	<1.0	<1.0	<1.0	4.4	NA	NA	<1.0	NA	<10	NA	220	<1.0	2	12	<1.0	<1.0	<1.0
	6/13/1996		A377773	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	4.8	<1.0	<1.0	1.6	<1.0	<1.0	<1.0
	11/8/1996		A392547	<25	NA	<1.0	<1.0	<1.0	<1.0	1.2	NA	NA	<1.0	NA	<10	NA	250	<1.0	2.8	19	<1.0	<1.0	<1.0
	3/24/1998		A436292	<120	NA	<5.0	<5.0	<5.0	<5.0	17	NA	NA	<5.0	NA	<50	NA	150	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

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IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total		
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000		
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA			
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA		
MW-30	9/14/1995	6.61-16.61	A354191	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
	6/3/1996		A376714	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	11/8/1996		A392543	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	2/18/1997		A400908	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	5/28/1997		A409117	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	
	9/23/1997		A420823	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436305	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455795	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474504	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528984	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625114	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	1.3	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0	
	12/1/2004		A683047	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-31	9/14/1995	7.9-17.9	A354182	<20	NA	<1.0	<1.0	<5.0	<5.0	15	NA	NA	<1.0	NA	<10	NA	<5.0	<5.0	240	6	<1.0	<1.0	<1.0		
	6/12/1996		A377506	<25	NA	<1.0	<1.0	<1.0	2.7	4.4	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	83	3.7	<1.0	<1.0	<1.0	<1.0	
	11/8/1996		A392528	<25	NA	<1.0	<1.0	<1.0	5	37	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	190	10	<1.0	<1.0	<1.0	<1.0	
	2/18/1997		A400903	<120	NA	<1.0	<1.0	<5.0	<5.0	20	NA	NA	<1.0	NA	<50	NA	<5.0	<5.0	140	5.3	<1.0	<1.0	<5.0	<1.0	
	5/28/1997		A409118	<20	NA	<5.0	<5.0	<5.0	<5.0	21	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	116	7	<1.0	<1.0	<5.0	<5.0	
	9/23/1997		A420842	<20	NA	<1.0	<1.0	<1.0	4.7	27.4	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	210	13	<1.0	<1.0	<1.0	<1.0	
	3/24/1998		A436304	<120	NA	<5.0	<5.0	<5.0	<5.0	23	NA	NA	<5.0	NA	<50	NA	14	<5.0	210	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/22/1998		A455798	<20	NA	<5.0	<5.0	<5.0	<5.0	12	NA	NA	<5.0	NA	<10	NA	100	<5.0	190	7.2	<5.0	<5.0	<5.0	<5.0	
	3/19/1999		A474525	<120	NA	<5.0	<5.0	<5.0	<5.0	16	NA	NA	<5.0	NA	<50	NA	16	<5.0	200	<5.0	<5.0	<5.0	<5.0	<5.0	
	8/30/2000		A529197	<130	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<50	NA	68	<5.0	150	<5.0	<5.0	<5.0	<5.0	<5.0	
	4/10/2003		A625263	<20	NA	<5.0	<5.0	<1.0	<5.0	1.6	NA	NA	<1.0	NA	<10	NA	120	1.6	100	9.8	<5.0	<5.0	<5.0	<2.0	
	11/30/2004		A683029	<10	<1.0	<1.0	<1.0	1.2	2	NA	3.6	<1.0	<1.0	<1.0	<1.0	<10	<1.0	360	<1.0	150	16	<1.0	<1.0	<1.0	
	11/30/2004(Dup 2)		A683015	<10	<1.0	<1.0	<1.0	1.2	1.8	NA	5.9	<1.0	<1.0	<1.0	<1.0	<10	<1.0	340	<1.0	120	17	<1.0	<1.0	<1.0	
	1/9/2007		A757881	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	7	<1.0	<1.0	<1.0	<1.0	<10	<1.0	580	<1.0	50	26	<1.0	<1.0	<1.1	
	9/30/2008		A825611	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	1.2	<1.0	<1.0	<1.0	<1.0	<10	<1.0	730	<1.0	32	34	<1.0	<1.0	<2.0	

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IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-32	6/13/1996	7.85-17.85	A377780	<1250	NA	<50	<50	<50	<50	520	NA	NA	<50	NA	<500	NA	630	<50	<50	90	<1.0	<50	<50	
	11/11/1996		A392624	<620	NA	<25	<25	<25	<25	1,100	NA	NA	<25	NA	<250	NA	1,300	<25	65	170	<1.0	<25	<25	
	2/18/1997		A400902	<1200	NA	<50	<50	<50	<50	1,100	NA	NA	<50	NA	<500	NA	1,000	<50	51	150	<1.0	<50	<50	
	5/28/1997		A409119	<20	NA	<5.0	<5.0	17	<5.0	1,100	NA	NA	<5.0	NA	<10	NA	1,100	<5.0	29	73	<1.0	<5.0	<5.0	
	9/23/1997		A420835	<20	NA	<1.0	<1.0	15	1.8	1,411	NA	NA	<1.0	NA	<1.0	NA	1,400	<1.0	26	98	<1.0	<1.0	<1.0	
	3/25/1998		A436547	<1200	NA	<50	<50	<50	<50	1,600	NA	NA	<50	NA	<500	NA	1,400	<50	<50	92	<50	<50	<50	
	9/23/1998		A455780	<20	NA	<5.0	<5.0	18	<5.0	1,512	NA	NA	<5.0	NA	<10	NA	1,300	<5.0	25	110	<5.0	<5.0	<5.0	
	12/9/1998		A464352	<10	NA	<1.0	<1.0	15	1.2	4,313	NA	NA	<1.0	NA	<5.0	NA	3,400	<1.0	27	130	<1.0	<1.0	<1.0	
	3/19/1999		A474537	<1200	NA	<50	<50	<50	<50	1,100	NA	NA	<50	NA	<500	NA	710	<50	<50	<50	<50	<50	<50	
	3/19/1999(Dup)		A474539	<1200	NA	<50	<50	<50	<50	1,200	NA	NA	<50	NA	<500	NA	770	<50	<50	64	<50	<50	<50	
	8/30/2000		A529200	<25	NA	<1.0	<1.0	7.5	<1.0	824	NA	NA	<1.0	NA	<10	NA	850	<1.0	9.8	58	<1.0	2.3	<1.0	
	8/30/2000(Dup)		A529201	<1300	NA	<50	<50	<50	<50	880	NA	NA	<50	NA	<500	NA	940	<50	<50	64	<50	<50	<50	
	4/19/2001		A55642	<630	NA	<25	<25	<25	<25	980	NA	NA	<25	NA	<250	NA	770	<25	<25	45	<25	<25	<25	
	8/29/2001		A564750	<630	NA	<25	<25	<25	<25	1,300	NA	NA	<25	NA	<250	NA	850	<25	<25	39	<25	<25	<25	
	4/11/2003		A625264	<200	NA	<50	<50	11	<50	2519	NA	NA	<10	NA	<100	NA	1,000	<10	10	81	<50	<50	<20	
	11/30/2004		A683025	<10	<1.0	<1.0	<1.0	6.1	1.7	2423	2400	23	<1.0	<1.0	<10	<1.0	1,600	<1.0	7.6	160	<1.0	2.1	<1.0	
	11/30/2004(Dup 1)		A683014	<10	<1.0	<1.0	<1.0	6.2	1.7	2622	2600	22	<1.0	<1.0	<10	<1.0	1,800	<1.0	7.3	170	<1.0	2.1	<1.0	
	1/9/2007		A757882	<10	<1.0	<1.0	<1.0	2.5	3	3736	3,700	36	<1.0	<1.0	<10	<1.0	2,400	<1.0	2.7	170	<1.0	9.3	<1.1	
1/9/2007(DUP-01)	A757892	<10	<1.0	<1.0	<1.0	2.5	3	3638	3,600	38	<1.0	<1.0	<10	<1.0	2,400	<1.0	2.7	170	<1.0	9.9	<1.1			
9/30/2008	A825616	<10	<1.0	<1.0	<1.0	<1.0	3.1	1931	1,900	31	<1.0	<1.0	<10	<1.0	3,000	<1.0	1	330	<1.0	820	<2.0			
MW-33	10/9/1995	7.74-17.74	A356588	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	7.9	<1.0	<1.0	<1.0	<1.0	
	6/3/1996		A376716	<25	NA	<50	<50	<1.0	<1.0	<1.0	NA	NA	<50	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
	11/8/1996		A392539	<25	NA	<25	<25	<1.0	<1.0	<1.0	NA	NA	<25	NA	<10	NA	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<25
	2/18/1997		A400907	<25	NA	<50	<50	<1.0	<1.0	<1.0	NA	NA	<50	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
	5/28/1997		A409121	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/1997		A420824	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/1998		A436308	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	7.4	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/1998		A455796	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474503	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528990	<25	NA	<1.0	<1.0	<1.0	<1.0	1.3	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	3.9	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625115	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	1.1	2.9	<1.0	<5.0	<5.0	<2.0
	12/1/2004		A683052	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	1.6	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2004(DUP 4)		A683032	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	2	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2007		A757888	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.1
	10/7/2008		A826271	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	3.4	<1.0	1.6	<1.0	<1.0	<2.0
5/1/2016	Polaris did not sampled per Resolution Partners March 2016 SAP																							
3/1/2017	Polaris did not sampled per Resolution Partners March 2016 SAP																							

Well Destroyed per Nov '19 and/or Jan '20 site visits.

Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.

Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-34	3/25/1998	6.45-16.45	A436549	<250	NA	<10	<10	<10	<10	330	NA	NA	<10	NA	<100	NA	560	<10	<10	43	<10	<10	<10	
	9/22/1998		A455779	<20	NA	<5.0	<5.0	5.2	<5.0	1100	NA	NA	<5.0	NA	<10	NA	2,400	<5.0	14	60	<5.0	<5.0	<5.0	
	3/19/1999		A474538	<500	NA	<20	<20	<20	<20	<20	190	NA	NA	<20	NA	<200	NA	600	<20	<20	<20	<20	<20	<20
	8/30/2000		A529202	<500	NA	<20	<20	<20	<20	<20	780	NA	NA	<20	NA	<200	NA	830	<20	<20	38	<20	<20	<20
	4/19/2001		A550643	<630	NA	<25	<25	<25	<25	<25	780	NA	NA	<25	NA	<250	NA	920	<25	<25	53	<25	<25	<25
	8/29/2001		A564751	<630	NA	<25	<25	<25	<25	<25	340	NA	NA	<25	NA	<250	NA	840	<25	<25	34	<25	<25	<25
	4/10/2003		A625265	<200	NA	<50	<50	<10	<50	650	NA	NA	<10	NA	<100	NA	1,600	<10	<10	69	<50	<50	<20	
	12/11/2004		A683033	<10	<1.0	<1.0	<1.0	1.5	<1.0	1211	1200	11	<1.0	<1.0	<10	1.1	3,400	<1.0	5.7	150	<1.0	<1.0	<1.0	
	1/11/2007		A758045	<10	<1.0	<1.0	<1.0	<1.0	4.4	3145	3,100	45	<1.0	<1.0	<10	<1.0	3,300	<1.0	2.6	480	<1.0	1.7	<1.1	
	10/8/2008		A826289	<10	<1.0	<1.0	<1.0	<1.0	5.2	1421	1,400	21	<1.0	<1.0	<10	<1.0	1,600	<1.0	<1.0	120	<1.0	300	<2.0	
	2/18/2010		NA	NA	NA	16	NA	<1.0	4.6	NA	340	7.4	NA	NA	NA	NA	1,000	NA	<1.0	190	NA	400	NA	
	5/20/2010		NA	NA	NA	13	NA	<1.0	6.6	NA	220	7.1	NA	NA	NA	NA	390	NA	<1.0	170	NA	130	NA	
	5/23/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	278	7.8	NA	NA	NA	NA	232	NA	<5.0	7.3	NA	12.2	NA	
3/14/2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	524	11	NA	NA	NA	NA	285	NA	<5.0	7.0	NA	8.7	NA			
MW-35A	5/20/2010	7-17	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	1.4	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010 (DUP)		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/21/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-35E	5/20/2010	93-103	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/21/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-36A	5/20/2010	7-17	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/21/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-36E	5/20/2010	90-100	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/21/2012		NA	NA	NA	26.3	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-37A	5/20/2010	7-17	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	0.64	NA	<1.0	<1.0	NA	<1.0	NA	
MW-38A	5/20/2010	7-17	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/23/2016		NA	Samled for MNA Parameters Only per SAP																				
	3/14/2017		NA	Samled for MNA Parameters Only per SAP																				
MW-38E	5/20/2010	88.5-98.5	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/23/2016		NA	Samled for MNA Parameters Only per SAP																				
	3/14/2017		NA	Samled for MNA Parameters Only per SAP																				

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-39A	5/20/2010	7-17	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	0.81	<1.0	NA	<1.0	NA	
	5/23/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3/14/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
MW-39B	5/20/2010	19-29	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	1.7	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	13.4	NA	1.4	<1.0	NA	<1.0	NA	
	5/23/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3/14/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	5.1	NA	<5.0	<5.0	NA	<2.0	NA	
MW-39E	5/20/2010	93.5-103.5	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
MW-40A	5/21/2010	8-18	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5/1/2016		Polaris did not sampled per Resolution Partners March 2016 SAP																					
	3/1/2017		Polaris did not sampled per Resolution Partners March 2016 SAP																					
MW-40B	5/21/2010	20-30	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	3.7	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	0.56	NA	<1.0	NA	
	5/23/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	5.3	NA	<5.0	<5.0	NA	<2.0	NA	
	3/14/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	6.1	NA	<5.0	<5.0	NA	<2.0	NA	
MW-40C	5/21/2010	37-47	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
MW-40E	5/21/2010	90-100	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
MW-41B	11-2-2010	20-30	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5-21-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-41E	5-21-2010	87-97	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11-2-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5-21-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	
MW-42B	5-21-2010	20-30	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	9.5	<1.0	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	0.49	NA	9.3	<1.0	NA	2.2	NA	
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	25.5	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	24.6	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
MW-42E	3-23-2017	90-100	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
5-21-2010	NA		NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA		
MW-42E	11-3-2010	90-100	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
MW-43A	5-21-2010	8-18	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	5-24-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
MW-43B	5-21-2010	25-35	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	18	28	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	0.27	<1.0	<1.0	NA	NA	NA	NA	0.51	NA	9	25.4	NA	<1.0	NA
	5-24-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	5.9	NA	<5.0	5.1	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	8.5	NA	<5.0	<5.0	NA	<2.0	NA
MW-43C	5-21-2010	35-45	NA	NA	NA	<5.0	NA	24	5.9	NA	10	1.6	NA	NA	NA	NA	<1.0	NA	220	18	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	9.4	3.4	NA	6.3	0.96	NA	NA	NA	NA	<1.0	NA	189	19.2	NA	<1.0	NA	
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	7-27-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	81.5	24	NA	<2.0	NA	
MW-43E	5-21-2010	87-97	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<1.0	42.3	32	NA	<5.0	NA
MW-44B	10-14-2010	19-29	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	17	1.2	NA	NA	NA	NA	<1.0	NA	<1.0	39	NA	8.0	NA	
	5-22-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	9.9	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	21.3	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	14.9	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
MW-44E	10-14-2010	86-96	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	10-14-2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	
	5-22-2012		NA	NA	NA	25	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	<5.0	NA
MW-45A	5/21/2010	8-18	NA	NA	NA	<5.0	NA	<1.0	2.5	NA	210	3.6	NA	NA	NA	NA	140	NA	<1.0	140	NA	8.50	NA	
	5/1/2016		Polaris did not sampled per Resolution Partners March 2016 SAP																					
	3/1/2017		Polaris did not sampled per Resolution Partners March 2016 SAP																					
MW-45B	11/3/2010	24-34	NA	NA	NA	<1.0	NA	0.63	1.6	NA	167	3.5	NA	NA	NA	NA	180	NA	0.73	186	NA	2.0	NA	
	5/26/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	508	<5.0	<5.0	NA	NA	NA	NA	353	NA	<5.0	261	NA	2.2	NA
	3/24/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	394	<5.0	<5.0	NA	NA	NA	NA	426	NA	<5.0	204	NA	3.7	NA
MW-45C	5/21/2010	39-49	NA	NA	NA	<50.0	NA	<10	<10	NA	<100	<10	NA	NA	NA	NA	5,700	NA	<10	<100	NA	<10	NA	
	11/3/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	48.3	1.68	<1.0	NA	NA	NA	NA	7,640	NA	<1.0	100	NA	0.36	NA
	2/18/2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	46.1	<5.0	<5.0	NA	NA	NA	NA	4,840	NA	<5.0	41.9	NA	<2.0	NA
	5/26/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	57.3	<5.0	<5.0	NA	NA	NA	NA	4,750	NA	<5.0	42.6	NA	2.3	NA
	3/24/2017		NA	NA	NA	<50.0	NA	<50.0	<50.0	NA	128.0	<50.0	<50.0	NA	NA	NA	NA	2,990	NA	<50.0	70.6	NA	<20.0	NA

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA
MW-46A	5-21-2010	8-18	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	11-3-2010		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
	5/23/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	5-24-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-24-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
MW-46C	5-21-2010	35-45	NA	NA	NA	<5.0	NA	5.4	10	NA	1,500	11	NA	NA	NA	NA	16	NA	<1.0	97	NA	25	NA
	11-3-2010		NA	NA	NA	<1.0	NA	3.5	5.4	NA	698	15.1	NA	NA	NA	NA	1.8	NA	<1.0	1.2	NA	11.6	NA
	5-23-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	827	7.5	NA	NA	NA	NA	<5.0	NA	<5.0	105	NA	<2.0	NA
	5-24-2016		NA	NA	NA	<5.0	NA	8.4	<5.0	NA	722	<5.0	NA	NA	NA	NA	34.8	NA	<5.0	645	NA	2.2	NA
	3-23-2017		NA	NA	NA	<5.0	NA	8.5	<5.0	NA	438	<5.0	NA	NA	NA	NA	59.8	NA	<5.0	907	NA	2.7	NA
MW-47C	5/21/2010	40-50	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	1.7	<1.0	NA	NA	NA	NA	530	NA	5.20	50	NA	<1.0	NA
	11/3/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	103	2.5	NA	NA	NA	NA	86	NA	3.20	28.9	NA	<1.0	NA
	5/1/2016		Polaris did not sampled per Resolution Partners March 2016 SAP																				
	3/1/2017		Polaris did not sampled per Resolution Partners March 2016 SAP																				
MW-48B	5-21-2010	17.5-27.5	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	23.0	<1.0	NA	<1.0	NA
	11-3-2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	24.7	<1.0	NA	<1.0	NA
	4/25/2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	18.6	<5.0	NA	11.9	NA
	5-24-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	7.1	<5.0	NA	<2.0	NA
	3-23-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	7.3	<5.0	NA	NA	NA	NA	<5.0	NA	6.5	<5.0	NA	<2.0	NA
MW-49E	5/20/2010	93-103	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
MW-50E	5/20/2010	93-103	NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	11/2/2010		NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	5/21/2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA
AS-01	6/28/1995	71-76	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<10	NA	
AS-02	3/15/2010	55-65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-03	3/15/2010	59-64	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-05	3/12/2010	65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	NA	193	NA	NA	<1.7	NA	NA	NA
	6/14/2010		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<1.0	<5.0	NA	NA	NA	NA	87.1	NA	<5.0	6.92	NA	<2.0	NA
AS-06	3/12/2010	60-65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-12	3/15/2010	65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-13	3/15/2010	65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-16	3/15/2010	65	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA
AS-22	3/15/2010	70	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	NA

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Well located and total depths verified No '19 - Jan '20. Sample.

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Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
AS-23	3/15/2010	70	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	
AS-24	3/15/2010	70	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	
AS-25	3/15/2010	70	NA	NA	NA	NA	NA	NA	NA	NA	<1.20	NA	NA	NA	NA	NA	<1.7	NA	NA	<1.7	NA	NA	NA	
DMW-7	6/29/1995	29.95-39.95	A346572	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	67	<5.0	<5.0	5	<5.0	<10	<5.0	
	6/19/1996		A378397	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	31	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	9/24/1997		A421121	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	75	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	
	3/25/1998		A436553	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/23/1998		A455790	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	82	<5.0	5.1	<5.0	<5.0	<5.0	<5.0	
	3/19/1999		A474522	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	39	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528997	<25	NA	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	<2.0	NA	<20	NA	40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
DMW-8	6/30/1995	29.75-39.75	A346574	30	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	5	<5.0	<5.0	<5.0	<10	<5.0	
	6/19/1996		A378396	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
	6/3/1997		A409559	<20	NA	<1.0	<1.0	<5.0	<5.0	<5.0	NA	NA	<1.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/24/1997		A421120	<20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	3/25/1998		A436554	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/23/1998		A455789	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	6.6	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/1999		A474509	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/30/2000		A528987	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2003		A625106	<20	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	11/30/2004		A683027	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2007		A757883	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
	10/8/2008		A826285	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	5/23/2012		NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
DMW-9AS	6/30/1995	29.7-39.7	A346723	<20	NA	<5.0	<5.0	<5.0	5	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	25	<5.0	<5.0	<10	<5.0	
	6/19/1996		A378394	<25	NA	<1.0	<1.0	2.3	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	8.1	<1.0	<1.0	<1.0	<1.0	
	9/22/1998		A455813	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/18/1999		A474511	<25	NA	<50	<50	1.5	<1.0	<1.0	NA	NA	<50	NA	<10	NA	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<50	
	8/30/2000		A528991	<25	NA	<5.0	<5.0	<1.0	<1.0	<1.0	NA	NA	<5.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	
	12/1/2004		A683041	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	1/10/2007		A757900	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	3	<1.0	<1.0	<1.0	<1.0	
	10/7/2008		A826278	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	12/17/2012		Could not be found by Eco-Innovators on 17-Dec-12																					
	6/2/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
3/27/2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
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Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
DMW-10AS	6/30/1995	29.09-39.09	A346724	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	
	6/19/1996		A378395	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/3/1997		A409558	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/1998		A455814	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/1998		A464354	<4.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<2.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/1999		A474510	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A528992	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2004		A683043	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/10/2007		A757902	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
	10/7/2008		A826276	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	1.5	<1.0	1.7	13	<1.0	<1.0	<2.0
	5/21/2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA
	12/17/2012		Could not be found by Eco-Innovators on 17-Dec-12																					
	6/1/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3/27/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
DMW-13	7/18/1995	29.27-39.27	A348079	160	NA	<1.0	<1.0	<5.0	<5.0	<5.0	NA	NA	<1.0	NA	<10	NA	150	6	<5.0	<5.0	<1.0	<10	<1.0	
	6/19/1996		A378398	<25	NA	2.6	2.6	<1.0	<1.0	<1.0	NA	NA	2.6	NA	<10	NA	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6
	6/19/1996 (dup)		A378399	<25	NA	<50	<50	<1.0	<1.0	<1.0	NA	NA	<50	NA	<10	NA	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
	5/29/1997		A409314	29	NA	<50	<50	<5.0	<5.0	<5.0	NA	NA	<50	NA	<10	NA	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<50	
	9/24/1997		A421124	49	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<1.0	NA	2.5	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/1998		A4326552	240	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/1998		A455782	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/1/1999		A474530	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2000		A529195	260	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/19/2001		A550638	120	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	5.4	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2001		A564749	190	NA	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	<2.0	NA	<20	NA	5.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	4/10/2003		A625257	39	NA	<5.0	<5.0	<1.0	<5.0	<1.0	NA	NA	<1.0	NA	<10	NA	11	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0
	11/30/2004		A683020	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	8.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/12/2007		A758056	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
10/8/2008	A826282	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0		
DMW-18	8/14/1995	29.43-39.43	A350726	<20	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	NA	<10	NA	<5.0	<5.0	6	<5.0	<5.0	<10	<5.0	
	6/19/1996		A378393	<25	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	
DMW-75	12/1/2004	30-40	A683035	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<10	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	
	1/11/2007		A758048	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	
	10/8/2008		A826287	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	
	5-24-2012		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

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IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
DMW-76	12/1/2004	30-40	A683038	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	11	1.4	<1.0	1.2	<10	<1.0	6.2	<1.0	<1.0	16	<1.0	<1.0	<1.0	
	1/11/2007		A758050	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3.8	<1.0	<1.0	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	8.8	<1.0	<1.0	<1.1	
	10/8/2008		A826288	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	4.6	<1.0	<1.0	<2.0	
	4-23-2012		NA	NA	NA	<5.0	NA	<5.0	NA	NA	<5.0	<5.0	NA	NA	NA	NA	6.8	NA	<5.0	15.4	NA	<2.0	NA	
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	6.1	NA	<2.0	NA	
3-23-2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	6.5	NA	<2.0	NA			
DMW-77	2-18-2003	30-40	NA	NA	NA	<5.0	NA	7.6	<5.0	NA	5.1	<5.0	NA	NA	NA	NA	8.0	NA	28.4	<5.0	NA	<2.0	NA	
	12/1/2004		A683051	<10	<1.0	<1.0	<1.0	19	1.9	NA	47	5.9	<1.0	2.1	<10	<1.0	2.2	<1.0	46	11	<1.0	<1.0	<1.0	
	1/9/2007		A757889	<10	<1.0	<1.0	<1.0	15	1.5	NA	23	3	<1.0	<1.0	<10	<1.0	22	<1.0	90	58	<1.0	<1.0	<1.1	
	1/9/2007 (Dup-03)		A757894	<10	<1.0	<1.0	<1.0	17	2	NA	27	3.3	<1.0	<1.0	<10	<1.0	16	<1.0	110	63	<1.0	<1.0	<1.1	
	10/7/2008		A826273	<10	<1.0	<1.0	<1.0	10	6.6	NA	24	2.1	<1.0	<1.0	<10	<1.0	24	<1.0	110	110	<1.0	<1.0	<2.0	
	5-24-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	91.6	NA	15.5	17.5	NA	<2.0	NA	
3-23-2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	44.4	NA	15	8.4	NA	<2.0	NA			
DMW-78	12/1/2004	40-50	A683050	<10	1.3	<1.0	<1.0	2.7	<1.0	NA	100	9.2	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	1/9/2007		A757887	<10	<1.0	<1.0	<1.0	6.1	1.4	NA	100	16	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	
	10/7/2008		A826272	<10	<1.0	<1.0	<1.0	5.7	1	NA	57	8.2	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	4.4	<1.0	<1.0	<1.1	
	5-25-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	18.1	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3-14-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	10.9	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
DMW-79 Destroyed via roadwork per Jan '20 well survey & assessment	11/30/2004	30-40	A683019	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	
	1/12/2007		A758053	<10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	<1.1	
P-40	10/15/2003		A642834	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	NA	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
RR WELL	9/14/1995		A354186	<20	NA	<10	<10	<5.0	14	13	NA	NA	<10	NA	<10	NA	10,000	<5.0	1200	160	<10	<10	<10	
	6/13/1996		A377781	<1250	NA	<5.0	<5.0	<50	<50	<50	NA	NA	<5.0	NA	<500	NA	6,100	<50	280	<50	<10	<50	<5.0	
	11/11/1996		A392627	<2500	NA	<20	<20	<100	<100	<100	NA	NA	<20	NA	<1000	NA	5,900	<100	330	<100	<10	<100	<20	
	5/28/1997		A409122	<20	NA	<20	<20	<5.0	<5.0	<5.0	NA	NA	<20	NA	<10	NA	9,400	<5.0	560	<5.0	<10	<5.0	<20	
	9/24/1997		A421122	<20	NA	<1.0	<1.0	22	18	55	NA	NA	<1.0	NA	<1.0	NA	10,000	<1.0	460	55	180	<1.0	<1.0	
	9/30/2008		A825612	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5.5	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	2,100	<1.0	120	8.7	<1.0	<1.0	<2.0
	9/30/2008(Dup 2)		A825613	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	2,000	<1.0	110	8.4	<1.0	<1.0	<2.0
PT-011	8/28/2008	10-15	NA	NA	NA	NA	NA	<10	NA	4,200	36	NA	NA	NA	NA	18	NA	NA	<10	NA	570	NA		
	2/17/2010		NA	NA	NA	<5.0	NA	<1.0	2.4	NA	1,200	9.6	NA	NA	NA	NA	<1.0	NA	<1.0	14	NA	410	NA	

Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA
PT-01D	8/25/2008	13-18	NA	NA	NA	NA	NA	NA	<10	NA	140	<10	NA	NA	NA	NA	100	NA	NA	16	NA	<10	NA
	8/28/2008		NA	NA	NA	NA	NA	NA	<1.0	NA	180	2.8	NA	NA	NA	NA	21	NA	NA	50	NA	49	NA
	2/17/2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	1.7	<1.0	NA	NA	NA	NA	3.2	NA	<1.0	<1.0	NA	<1.0	NA
PT-01S	8/28/2008	7-12	NA	NA	NA	NA	NA	NA	<10	NA	4,200	<10	NA	NA	NA	NA	570	NA	NA	82	NA	<10	NA
PT-02I	8/28/2008	10-15	NA	NA	NA	NA	NA	NA	<10	NA	250	<10	NA	NA	NA	NA	15	NA	NA	15	NA	<10	NA
	2/16/2010		NA	NA	NA	<5.0	NA	2.2	<1.0	NA	230	2.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	370	NA
PT-02D	8/28/2008	13-18	NA	NA	NA	NA	NA	NA	<10	NA	<10	<10	NA	NA	NA	NA	<10	NA	NA	<10	NA	170	NA
	2/16/2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	700	6.4	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	300	NA
	7/27/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	30.5	<5.0	NA	NA	NA	NA	449	NA	<5.0	114	NA	<2.0	NA
	3/14/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	680	6.3	NA	NA	NA	NA	514	NA	<5.0	101	NA	<2.0	NA
PT-02S	8/28/2008	7-12	NA	NA	NA	NA	NA	NA	<20.0	NA	38,080	28	NA	NA	NA	NA	1,600	NA	NA	220	NA	1,500	NA
	2/16/2010		NA	NA	NA	7.8	NA	<1.0	3.6	NA	780	4.9	NA	NA	NA	NA	460	NA	<1.0	51	NA	270	NA
	7/27/2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	3,590	49.6	NA	NA	NA	NA	3,900	NA	<5.0	698	NA	9.9	NA
	3/14/2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	2,210	<5.0	NA	NA	NA	NA	3,000	NA	<5.0	455	NA	<20	NA
PT-03I	8/28/2008	10-15	NA	NA	NA	NA	NA	NA	<10	NA	510	<10	NA	NA	NA	NA	280	NA	NA	47	NA	720	NA
	28-08-08		NA	NA	NA	NA	NA	NA	<10	NA	500	<10	NA	NA	NA	NA	270	NA	NA	49	NA	670	NA
	2/17/2010		NA	NA	NA	6.7	NA	3.3	2.4	NA	380	3.9	NA	NA	NA	NA	40	NA	<1.0	4.9	NA	1,000	NA
PT-03D	8/28/2008	13-18	NA	NA	NA	NA	NA	NA	<1.0	NA	44	4.1	NA	NA	NA	NA	6.6	NA	NA	1.3	NA	150	NA
	2/17/2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	1.4	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	1.6	NA
PT-03S	8/28/2008	7-12	NA	NA	NA	NA	NA	NA	<10	NA	1,800	25	NA	NA	NA	NA	570	NA	NA	49	NA	1,400	NA
	2/17/2010		NA	NA	NA	<5.0	NA	5.2	5.7	NA	900	6.1	NA	NA	NA	NA	96	NA	<1.0	62	NA	1,000	NA
PT-04I	8/28/2008	10-15	NA	NA	NA	NA	NA	NA	<10	NA	7,000	40	NA	NA	NA	NA	2,800	NA	NA	910	NA	12	NA
	2/18/2010		NA	NA	NA	<5.0	NA	<1.0	5	NA	2,500	12	NA	NA	NA	NA	2,900	NA	<1.0	450	NA	<200	NA
PT-04D	8/28/2008	13-18	NA	NA	NA	NA	NA	NA	<1.0	NA	120	2.7	NA	NA	NA	NA	130	NA	NA	35	NA	93	NA
	28-08-08		NA	NA	NA	NA	NA	NA	<1.0	NA	140	2.8	NA	NA	NA	NA	150	NA	NA	36	NA	93	NA
	2/18/2010		NA	NA	NA	<5.0	NA	<1.0	12	NA	4,300	15	NA	NA	NA	NA	500	NA	<1.0	200	NA	190	NA
PT-04S	8/28/2008	7-12	NA	NA	NA	NA	NA	NA	<20.0	NA	7,200	41	NA	NA	NA	NA	550	NA	NA	560	NA	690	NA
	2/18/2010		NA	NA	NA	<5.0	NA	<1.0	7.3	NA	6,200	29	NA	NA	NA	NA	2,600	NA	<1.0	1,100	NA	49	NA
PT-05I	8/28/2008	10-15	NA	NA	NA	NA	NA	NA	<10	NA	490	11	NA	NA	NA	NA	35	NA	NA	17	NA	1,800	NA
	2/16/2010		NA	NA	NA	9.5	NA	<1.0	<1.0	NA	730	6.2	NA	NA	NA	NA	<10	NA	<1.0	6.4	NA	800	NA
PT-05D	8/28/2008	13-18	NA	NA	NA	NA	NA	NA	<1.0	NA	370	28	NA	NA	NA	NA	12	NA	NA	<1.0	NA	300	NA
	2/16/2010		NA	NA	NA	<5.0	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	NA	2.80	NA	<1.0	<1.0	NA	13	NA
PT-05S	8/28/2008	7-12	NA	NA	NA	NA	NA	NA	10	NA	2,100	34	NA	NA	NA	NA	1,700	NA	NA	260	NA	920	NA
	2/16/2010		NA	NA	NA	7.6	NA	<1.0	4.1	NA	970	8.7	NA	NA	NA	NA	550	NA	<1.0	69	NA	390	NA

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1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
CMT-A	3-15-2013	18	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	4.3	NA
	3-15-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-15-2013	40	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	14.2	NA	
	4-23-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	9.6	NA
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	13.2	NA
	3-15-2017	62	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	25.2	NA	
	3-15-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
3-15-2017	CMT-B Destroyed per Nov '19 assessment. Replace	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
3-15-2017			NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
3-18-2013		60	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	127	NA	
4-23-2013			NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	154	NA
4-23-2013			NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	154	NA
3-15-2017			NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
3-18-2013	85	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	6.1	NA		
3-15-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
CMT-C	3-15-2013	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-15-2013	60	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	54.2	NA	
	4-23-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	53.5	NA
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	9.6	NA
	3-15-2013	85	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
7-20-2016	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
CMT-D	3-15-2013	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	7-20-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-15-2017	60	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3-15-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	29.5	NA
	4-23-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	51.2	NA
	7-20-2016	85	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	57.2	NA	
	3-15-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	61.9	NA
	3-15-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
7-20-2016	85	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
3-15-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	

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Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
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Proposed Groundwater Sampling Monitoring Well Network 2021 VRIWP
Historical Groundwater Analytical Results Summary
Former Harman-Becker Facility
1201 South Ohio Street, Martinsville, IN 46151
IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000	
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA	
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA	
CMT-E	3-18-2013	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3-16-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-18-2013	40	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	7-21-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-16-2017	70	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	6.1	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3-18-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	96.4	NA
	4-24-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	111	NA
	7-21-2016		NA	NA	NA	24.9	NA	<5.0	19.8	NA	1030	31.2	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	92.4	NA
	3-16-2017	90	NA	NA	NA	25.6	NA	<5.0	27.4	NA	808	34.9	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	92.9	NA	
	3-18-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
7-21-2016	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
3-16-2017	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	40.2	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	4	NA	
CMT-F	3-16-2013	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	7-21-2016		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-16-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-18-2013	50	NA	NA	NA	<5.0	NA	29.9	14.1	NA	959	62.1	NA	NA	NA	NA	<5.0	NA	259	79.4	NA	2.4	NA	
	4-24-2013		NA	NA	NA	<5.0	NA	26.1	13.3	NA	671	54.4	NA	NA	NA	NA	NA	<5.0	NA	249	72.1	NA	3.4	NA
	7-21-2016		NA	NA	NA	<5.0	NA	26.2	8.9	NA	515	49.6	NA	NA	NA	NA	NA	<5.0	NA	236	120	NA	4.5	NA
	3-16-2017	80	NA	NA	NA	<5.0	NA	21.6	8.1	NA	348	32.2	NA	NA	NA	NA	<5.0	NA	161	125	NA	<2.0	NA	
	3-15-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
7-21-2016	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
3-16-2017	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA		
CMT-G	3-16-2013	20	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
	3-16-2017		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-16-2013	50	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	24.7	<5.0	NA	NA	NA	NA	<5.0	NA	29.7	<5.0	NA	<2.0	NA	
	4-24-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	31.4	<5.0	NA	NA	NA	NA	NA	<5.0	NA	36.6	<5.0	NA	<2.0	NA
	4-24-2013		NA	NA	NA	<5.0	NA	5.6	<5.0	NA	26.8	<5.0	NA	NA	NA	NA	NA	<5.0	NA	48.6	<5.0	NA	<2.0	NA
	3-16-2017	80	NA	NA	NA	<5.0	NA	5.7	<5.0	NA	21.1	<5.0	NA	NA	NA	NA	<5.0	NA	40.2	<5.0	NA	<2.0	NA	
	3-16-2013		NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
7-21-2016	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	
3-16-2017	NA		NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	

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Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

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IDEM VRP Site #6170501

Sample ID.	Date Sampled	Well Screen Interval (feet)	Lab Sample No.	Acetone	Carbon disulfide	Chloroethane	Chloromethane (Methyl Chloride)	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis & trans)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Methyl Ethyl Ketone (2-Butanone)	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total
IDEM RCG GW TAP RSLs				14000	810	21000	190	28	7	170	70	100	700	5	5600	5.7	5	1000	200	5	52000	2	10000
IDEM RCG VE GW RSL				NA	NA	NA	NA	130	300	NA	NA	NA	NA	NA	NA	NA	110	NA	13000	9.1	NA	2.1	NA
IDEM RCG VE GW C/I				NA	NA	NA	NA	550	1300	NA	NA	NA	NA	NA	NA	NA	470	NA	54000	38	NA	35	NA
CMT-H sample 50' interval only	3-16-2013	20	NA	NA	NA	<5.0	NA	<5.0	6.3	NA	8.3	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-16-2013	50	NA	NA	NA	<5.0	NA	31.7	21.8	NA	37	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	3-16-2013	80	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
CMT-I	3-19-2013	17	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	19.2	<5.0	NA	NA	NA	NA	34.4	NA	<5.0	<5.0	NA	<2.0	NA
	5-1-2016		Polaris did not sampled per Resolution Partners March 2016 SAP																				
	3-1-2017		Polaris did not sampled per Resolution Partners March 2016 SAP																				
	3-19-2013	29	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	18.2	<5.0	NA	NA	NA	NA	34.6	NA	<5.0	<5.0	NA	47.5	NA
	5-1-2016		Polaris did not sampled per Resolution Partners March 2016 SAP																				
	3-1-2017		Polaris did not sampled per Resolution Partners March 2016 SAP																				
	3-19-2013	59	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	739	5.3	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA
	5-1-2016		Polaris did not sampled per Resolution Partners March 2016 SAP																				
3-1-2017	Polaris did not sampled per Resolution Partners March 2016 SAP																						
3-19-2013	84	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<2.0	NA	

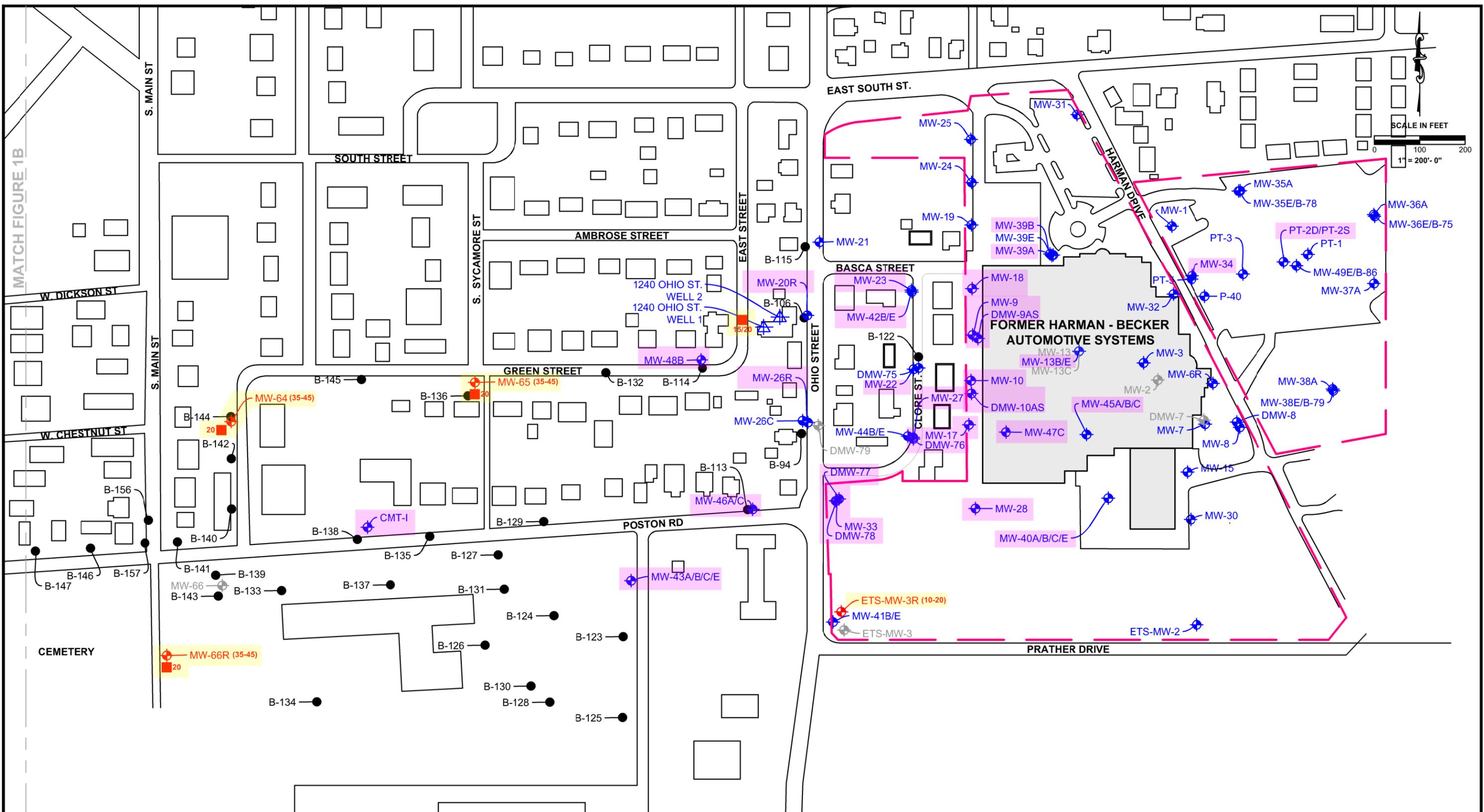
Well Destroyed per Nov '19 and/or Jan '20 site visits.
Well Destroyed per Nov '19 and/or Jan '20 site visits. Replace & Sample.
Well located and total depths verified No '19 - Jan '20. Sample.

Appendix 2

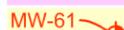
Figures: Site Maps 1A, 1B, 1C

\\SES-DC\Projects\Consulting\@SESCO Technical Docs\3872 Former Harman Becker\SESCO Reports\Groundwater Monitoring Summary 2020\FIGURES\SITE MAP.dwg, 1 of 3 11x17, 2/6/2020 2:43:29 PM

MATCH FIGURE 1B



LEGEND

-  MONITORING WELL
-  1020 HACKER
-  RESIDENTIAL DRINKING WELL
-  MONITORING WELL DESTROYED/ABANDONED
-  SOIL BORING
-  CMT-D
-  MW-61 (55-65)
-  20/40
-  PROPERTY BOUNDARY
-  PROPOSED SAMPLING LOCATION
-  PROPOSED WELL WITH SCREEN DEPTH
-  GRAB GROUNDWATER SAMPLING LOCATION & DEPTH
-  PROPERTY BOUNDARY



SITE MAP

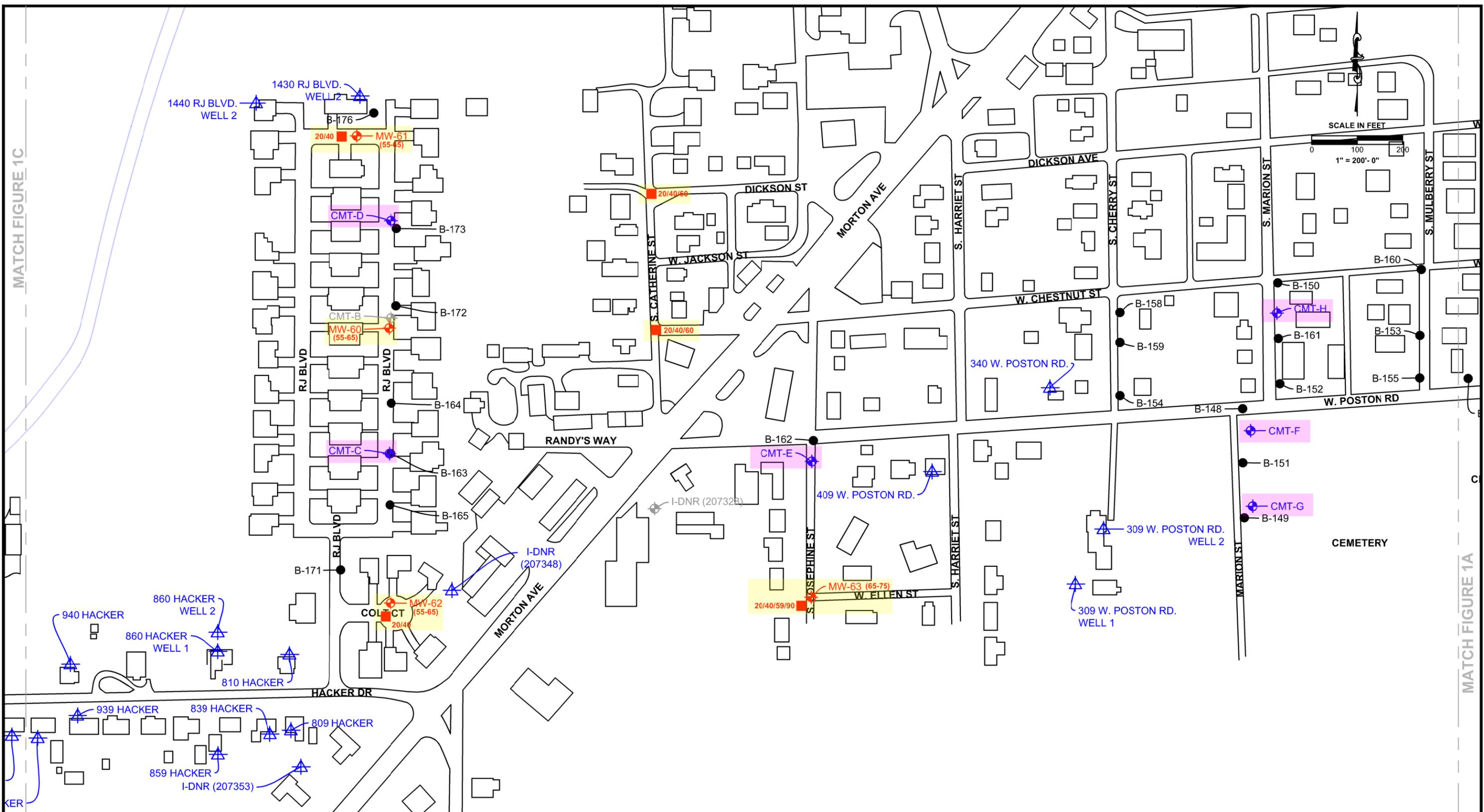
FORMER HARMAN-BECKER AUTOMOTIVE SYSTEMS, INC.
 1201 SOUTH OHIO STREET
 MARTINSVILLE, INDIANA 46151

DRAWN BY: ELC	DATE: 02-06-2020	PROJECT # 3872	FIGURE # 1A
REVIEWED BY: SWG			

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MATCH FIGURE 1C

MATCH FIGURE 1A



LEGEND

- MONITORING WELL
- RESIDENTIAL DRINKING WELL
- MONITORING WELL DESTROYED/ABANDONED
- SOIL BORING
- CMT-D PROPOSED SAMPLING LOCATION
- MW-61 (55-65) PROPOSED WELL WITH SCREEN DEPTH
- 20/40 GRAB GROUNDWATER SAMPLING LOCATION & DEPTH
- PROPERTY BOUNDARY

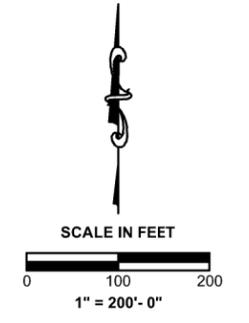
SITE MAP

FORMER HARMAN-BECKER AUTOMOTIVE SYSTEMS, INC.
 1201 SOUTH OHIO STREET
 MARTINSVILLE, INDIANA 46151

DRAWN BY: ELC	DATE: 02-06-2020	PROJECT # 3872	FIGURE # 1B
REVIEWED BY: SWG			

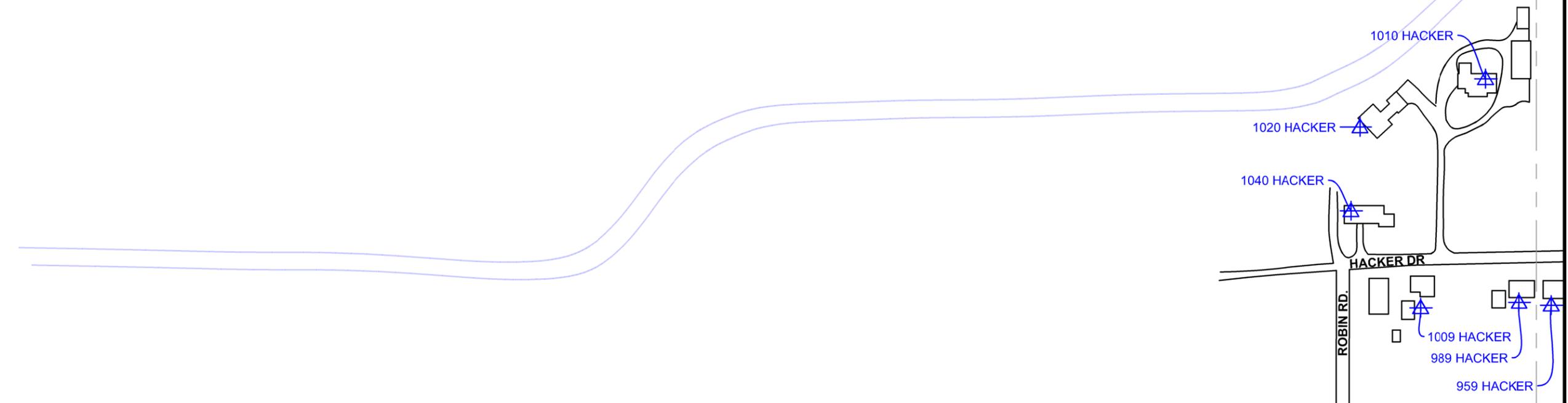


\\SES-DC\Projects\Consulting\@SESCO Technical Docs\3872 Former Harman Becker\SESCO Reports\Groundwater Monitoring Summary 2020\FIGURES\SITE MAP.dwg, 3 of 3 11x17, 2/6/2020 2:48:31 PM



HOLDEN PROPERTY

CMT-A



LEGEND

- 1020 HACKER MONITORING WELL
- RESIDENTIAL DRINKING WELL
- MONITORING WELL DESTROYED/ABANDONED
- SOIL BORING
- CMT-D PROPOSED SAMPLING LOCATION
- MW-61 (55-65) PROPOSED WELL WITH SCREEN DEPTH
- 20/40 GRAB GROUNDWATER SAMPLING LOCATION & DEPTH
- - - - - PROPERTY BOUNDARY

SITE MAP

FORMER HARMAN-BECKER AUTOMOTIVE SYSTEMS, INC.
 1201 SOUTH OHIO STREET
 MARTINSVILLE, INDIANA 46151

DRAWN BY: ELC	DATE: 02-06-2020	PROJECT # 3872	FIGURE # 1C
REVIEWED BY: SWG			

