COMPREHENSIVE SITE INVESTIGATION REPORT AND REMEDIATION OBJECTIVES REPORT THE FORMER SIEMENS FACILITY BATAVIA, ILLINOIS

Prepared for:

SIEMENS REAL ESTATE
Orlando, Florida

Prepared by:

Weston Solutions, Inc.
Suite 202, 300 Plaza Circle
Mundelein, IL 60060

December 2015

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EXECUTIVE SUMMARY

This report is a combined *Comprehensive Site Investigation Report and Remediation Objectives Report* (CSIR/ROR) for the Siemens Real Estate (SRE) (former Siemens Industry, Inc.) facility located at 1000 McKee Street in Batavia, Illinois. The former Siemens Industry, Inc. (SI) facility (LPC No.: 0890100010) was transferred to SRE on 1 November 2015.

On 2 July 2013, SI received a Comprehensive No Further Remediation (NFR) letter from the Illinois Environmental Protection Agency (IEPA) for residential use. In 2014, SRE determined that additional investigation was necessary, primarily in the former manufacturing areas, to address potential concerns that developers may have regarding the residential development of the property. The primary objective of this project is to obtain a residential Comprehensive NFR letter for the facility that reflects the additional information obtained during the investigation.

The investigation focused on supplementing the analytical data, constituents delineation, increasing the sampling density in potential source areas as identified by historical floor plans received from the City of Batavia, and defining the migration pathways outside the previous investigation and remediation areas.

Field work was initiated on 8 January 2015 and completed on 13 November 2015 with the completion of the final sampling event which included the tasks provided in the *Sampling and Analysis Plan*. Based on the analytical results from Round 1, seven additional rounds of sampling were necessary to determine the following:

- Former manufacturing areas. Hotspot Areas SB002, SB007, and SB011 were identified after a 1-acre grid was placed across the former manufacturing areas. Soil sample locations were selected based on historical facility uses, previous sampling, and remediation history.
- Expanded laboratory analyses at soil sampling locations from previous investigations for comprehensive purposes.
- Groundwater sampling of the perched water-bearing unit and deep water-bearing unit.
- Soil gas sampling for constituents present in the soil as provided in 35 Illinois Administrative Code (IAC) Part 742.

- An investigation of the vertical and lateral extent of weathered material observed in soil borings.
- The vertical and lateral extent of constituents identified in a black foundry sand "fill" material.

The following conclusions and recommendations were made based on this comprehensive investigation sampling analytical results.

Soil

- Analytical results from soil samples indicated the presence of metals, volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs) above the Tier 1 soil remediation objective for residential properties.
- The horizontal and vertical extent of constituents above Tier 1/Tier 2 soil remediation objectives has been determined through chemical analyses at Hotspot Areas SB002, SB007, and SB011.
- Anticipated remedial actions may include soil removal and off-site disposal to eliminate all exposure routes including ingestion and the soil component to the groundwater ingestion exposure route without the use of institutional controls or engineered barriers.

Other Concerns

Foundry Sand

- Four fill types were identified at the facility: brown sand, black soil and two types of foundry sand (black sand and black powder).
- Analytical results did not indicate the presence of constituents at concentrations above the most stringent Tier 1 soil remediation objectives for residential properties in the brown sand and black soil.
- Analytical results from the two black foundry sand types indicated the presence of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations above Tier 1 soil remediation objectives for residential properties.
- Foundry sands were typically identified in varying thickness across the facility between 0.0 and 6.0 ft bgs.
- Analytical results from toxicity characteristic leaching procedure (TCLP) PAH analyses indicate that PAH constituents do not leach from the material into the surrounding soils or perched groundwater. In addition, total petroleum hydrocarbon

(TPH) analyses of the black foundry sand material did not exceed the natural attenuation capacity.

- Based on the analytical results, Siemens intends to eliminate the soil component of the migration to groundwater exposure routes in accordance with 35 IAC Part 742.925.

- Anticipated remedial actions may include fill removal and off-site disposal to eliminate the ingestion exposure route without the use of institutional controls or engineered barriers.

Weathered Material

- A weathered petroleum substance was observed in soil borings at sample depths ranging from 6.0 to 9.0 ft. bgs near the former fuel oil tank area (SB010) and former paint room (SB011). The weathered material is described as a low viscosity "sticky" petroleum-like in odor and color substance present in the soil as streaks of small droplets.

- No constituents were present at concentrations above the most stringent Tier 1 soil remediation objectives for residential properties. In addition, TPH concentrations were not above the natural attenuation capacity of 2,000 mg/kg for subsurface soil.

- Weathered material was also visually observed in shallow monitoring well MW02 adjacent to boring SB011. Analytical results did not indicate the presence of constituents at concentrations above groundwater remediation objectives.

- Weather material was not present in monitoring wells installed in the deep water-bearing unit.

- Based on the analytical results, the weathered material is a potential aesthetic concern but not an active source of contamination for the facility.

Groundwater

Perched Water-Bearing Unit

- Four shallow monitoring wells (MW01 through MW04) were installed in the upper 20.0 ft bgs to intersect wet layers of silty clays or clayey sands found across the facility between 2.0 and 19.0 ft bgs. MW01 was screened from 5.0 to 20.0 ft bgs, MW02 was screened from 2.5 to 17.5 ft bgs, MW03 was screened from 2.5 to 12.5 ft bgs and MW04 was screened from 9.5 to 19.5 ft bgs. Fifteen foot screens were utilized at MW01 and MW02 in order to straddle the potential water-bearing layers observed in the boring. Following installation, two of the four shallow monitoring wells (MW01 and MW04) did not produce groundwater within the well.

- The perched water-bearing unit is discontinuous.

- The groundwater in the shallow monitoring wells is considered Class II (General Resource Groundwater) since it does not meet the requirements of 35 IAC Section 620.210.

- No constituents were present at concentrations above the Tier 1 Class II groundwater remediation objectives.

- Upon concurrence that the weathered material is not an environmental concern, all perched water-bearing unit monitoring wells will be abandoned in accordance with Illinois Department of Public Health 1994 Illinois Water Well Construction Code Section 920.120.

Deep Water-Bearing Unit

- Four deep monitoring wells (MW01D through MW04D) were installed to a depth that allowed the well screen to be placed directly above the encountered bedrock. Deep monitoring wells were installed with 10-ft screens and were placed to intersect wet to saturated sand and silt layers found above the bedrock between 22.0 and 40.0 ft. bgs.

- Hydraulic conductivity of the deep water-bearing unit encountered at the facility was calculated by aquifer testing (slug tests) of the four deep monitoring wells. The deep groundwater underlying the facility is considered Class I (Potable Resource Groundwater).

- Analytical results indicated the presence of trichloroethene (TCE) at a concentration above the Tier 1 Class I groundwater remediation objective in MW02D.

- Risk Based Corrective Action (RBCA) Equation R26 predicts that TCE potentially will migrate 20 ft. in the deep water-bearing unit, but will not migrate offsite.

- Potential groundwater remedies may include chemical oxidation or biological treatment.

Soil Gas

- Analytical results from soil gas samples indicated no constituents were present above the Tier 1 Indoor Inhalation Exposure Route for residential properties provided in 35 IAC Part 742, Appendix B, Table H.

- Analytical results indicated concentrations of chlorobenzene, ethylbenzene, m,p-xylene, naphthalene, vinyl chloride and total xylenes concentrations above the Tier 2 Indoor Air Remediation Objectives for residential properties calculated using J&E1 and J&E2 equations provided in 35 IAC, Part 742, Appendix C, Table L.

- As an alternative Tier 2 evaluation, J&E 4 was used to determine a site specific soil gas remediation objective. Based on this Tier 2 evaluation, ethylbenzene, naphthalene, vinyl chloride and total xylenes were present at concentrations above the

J&E 4 remediation values at SG001. Vinyl chloride was present at concentrations above the J&E 4 remediation values at locations SG003 and SG003RE.

- Anticipated remedial actions may include fill removal and off-site disposal to eliminate the ingestion exposure route without the use of institutional controls or engineered barriers.

On IEPA approval of this report, SRE will prepare and submit a Remedial Action Plan (RAP).

SECTION 1
INTRODUCTION

This report is a combined *Comprehensive Site Investigation Report and Remediation Objectives Report* (CSIR/ROR) for the Siemens Real Estate (SRE) (former Siemens Industry, Inc.) facility located at 1000 McKee Street in Batavia, Illinois. The former Siemens Industry, Inc. (SI) facility (LPC No.: 0890100010) was transferred to SRE on 1 November 2015. This facility was also previously owned by the Furnas Electric Company which was purchase by Siemens Energy & Automation (SEA) on 26 December 1996.

On 2 July 2013, SI received a Comprehensive No Further Remediation (NFR) letter from the Illinois Environmental Protection Agency (IEPA) for residential use. In 2014, SRE determined that additional investigation was necessary, primarily in the former manufacturing areas, to address potential concerns that developers may have regarding the residential development of the property.

The primary objective of this project is to obtain a residential Comprehensive NFR letter for the facility located at 1000 McKee Street in Batavia, Illinois that reflects the additional information obtained during the investigation. The first step is to submit this combined CSIR/ROR, with the goal of obtaining IEPA written approval. Upon IEPA approval, SRE will submit a Remedial Action Plan (RAP).

All activities associated with this project were conducted in compliance with the requirements set forth under the IEPA Site Remediation Program (SRP) established under 35 Illinois Administrative Code (IAC) Part 740.

1.1 SITE DESCRIPTION

The facility is located at 1000 McKee Street in Batavia, Illinois. The approximate 8.9 acre facility is generally flat. As shown in Figure 1-1, the property is surrounded on the south and the east sides by residential neighborhoods, on the north side by school property, and on the west side by a parking lot. A site base map is included as Figure 1-2. The site base map meets the requirements specified in 35 IAC 740.210(a)(7)(A) through (D). Specifically, Figure 1-2 shows the adjacent property to at least 1,000 feet (ft.) in all directions. Adjacent property owners have

been identified and the surrounding land uses are also identified. The property currently consists of asphalt/gravel parking, gravel and green spaces.

Illinois State Geological Survey (ISGS) online database provided well locations within 1,000 ft. of the facility. Two wells were identified on the Illinois Water and Related Wells Web Mapping Applications (ILWATER) interactive map within 1,000 ft. of the facility. Both wells were located on the former facility property and were abandoned during previous remedial activities. The IEPA Source Water Assessment Program (SWAP) ArcIMS Mapping tool was also reviewed. No community water supply wells were identified within 1,000 ft. of the facility. Well locations from the ILWATER and SWAP mapping tools as well as the well logs from the two identified wells at the facility are provided in Appendix A.

1.1.1 Regional Site Geology

The regional geology of the northeastern Illinois area is composed of various glacial and bedrock units that directly underlie the surface. The Lake Michigan Lobe of the Wisconsin glacier deposited the glacial units. According to the *Summary of the Geology of the Chicago Area* (William, 1971), the facility is underlain by unconsolidated glacial sediments of the Marseilles-Huntley Ground Moraine and the Cambri Member of the Equality Formation. These unconsolidated sediment units are fine-grained in nature (i.e., silt and clay), with local lenses of silt, sand, and gravel.

The glacial deposits overlie Ordovician, Silurian, and Pennsylvanian age bedrock. Bedrock formations of this region are exposed where glacial and modern rivers have cut through the glacial deposits. The major structural features of the bedrock are the Kankakee Arch, Sandwich Fault Zone, and the Des Plaines Disturbance (Hughes, G., Krantz, P., and Landon, R., 1966). Locally, the glacial deposits lie directly on top of approximately 540 ft. of Silurian age dolomite.

1.1.2 Regional Site Hydrogeology

The four major water-bearing systems in the region include glacial drift, shallow Silurian age bedrock, the Cambrian-Ordovician aquifer system (Glenwood-St. Peter and Ironton-Galesville Formations), and the Mt. Simon aquifer system. The major water-producing units in the shallow aquifer system are the Silurian age dolomite and the underlying Maquoketa Group (shales and

dolomites). The Glenwood-St. Peter, Ironton-Galesville, and Mt. Simon Sandstones are the major deep aquifers capable of producing water.

1.2 SITE HISTORY

The facility operated a manufacturing plant, classified under Standard Industrial Classification (SIC) Number 3643 (electric lighting and wiring equipment [current carrying devices]). The plant manufactured motor controls for various clients. The manufacturing process included metal fabrication, plating, plastic molding, painting, and etching. This facility has been operating at this location since 1938.

Manufacturing activities ceased in May 2000. Demolition of all existing structures was completed in 2006. Concrete slab and footings from former operations were removed from April through June 2015.

1.2.1 RCRA Investigation

From August 1994 through November 1998, a total of 96 soil samples were collected over five investigations performed in the Hazardous Waste Container Staging Area for closure of the unit under 35IAC Part 725.211 through 725.215. Soil samples were analyzed for one or more of the following: volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), pH, and toxicity characteristic leaching procedure (TCLP) metals (cadmium, chromium, cyanide, lead, nickel and silver) during the first phase of the investigation. Subsequent sampling events were performed to determine the extent of VOC constituents. Remedial activities consisted of the removal of approximately 588 cubic yards of soil to depths ranging from 16 feet to 20 feet below ground surface (ft. bgs). The Hazardous Waste Container Staging area of concern and remediation area is provided in Figure 1-3. A *Closure Report for the Hazardous Waste Container Staging and Additional Area* was submitted to the IEPA on January 1998. A letter written by the IEPA dated 13 December 2002 stated, *Illinois EPA hereby accepts the certification of the Hazardous Waste Storage Area and the Additional Area and the associate Closure Documentation Report. Thus, no further action is necessary for these two units*.

1.2.2 Site Remediation Program (SRP) Investigation

Testing Services Corporation (TSC) of Carol Stream, Illinois performed a Phase I Environment Assessment as a pre-acquisition audit in October 1995. The Phase I Environmental Site Assessment (ESA) also included soil and groundwater sampling. A total of 10 soil samples were collected at the North and South Trichloroethylene (TCE) Storage Areas. The North and South TCE Storage areas of concern and remediation areas are provided in Figure 1-3.

From 28 December through 30 October 2002, a total of 187 soil samples including 20 field duplicates were collected from 44 soil sampling locations over six rounds of soil sampling. A groundwater investigation was conducted in conjunction with soil sampling activities. In June 2000, a total of six groundwater samples (including one field duplicate) were collected via hydropunch techniques from five groundwater sampling locations to access groundwater quality. All groundwater samples were analyzed for cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, tetrachloroethylene, 1,2-dichloroethane, TCE, and vinyl chloride (Method 8260). Analytical results did not indicate the presence of constituents above Tier 1 groundwater remediation objectives. In July 2003, a *Focused Site Investigation Report* was submitted for two areas identified during a Phase I Environmental Site Assessment as having been impacted by the storage of TCE product. On 21 October 2003, the IEPA approved the *Focused Site Investigation Report* (WESTON, 2003) requesting the submission of a Remediation Objectives Report.

In July 2006, the focused site investigation was expanded to include additional potential sources and recognized areas of concern. These additional recognized areas of concern include:

- Adjacent Leased Parking Lot.
- Former Fabrication Area.
- Outside Main Building Area (McKee St.).
- Former Heating Oil Area.
- The Former Aircraft Assembly Maintenance Area.

All recognized areas of concern and remediation areas are provided in Figure 1-3.

In July 2006, a combined *Comprehensive Site Investigation Report, Remediation Objectives Report, and Remedial Action Plan* (CSIR/ROR/RAP) was submitted to provide the additional information necessary to include the additional recognized areas of concern, to expand the primary objective from a focused site investigation to a comprehensive site investigation; as well

as, a Remediation Objectives Report and Remedial Action Plan in a single submittal to facilitate prompt remediation of the property to residential standards.

On 19 September 2006, the IEPA conditionally approved the CSIR/ROR/RAP and subsequently modified again on 14 December 2006 and 5 April 2007. As described in the 5 April 2007 IEPA-approval letter, the most significant modification included the designation of the contaminated soil immediately surrounding the former North and South TCE Storage Areas.

In June 2009, a revised RAP was submitted to propose a change in remedy for the former North and South TCE Storage Areas (Area 3) and the Adjacent Leased Parking Lot (Areas 4 and 5). Electrical Resistance Heating (ERH) was selected, an in-situ technology, for remediation in these areas. The selected remedy for the Outside Main Building Area (McKee St.) (Area 1) and the Former Fabrication Area (Area 2) remained excavation and off-site disposal. The revised RAP was approved by the IEPA subject to condition on 12 November 2009.

In January 2011, the *Remedial Action Completion Report* (RACR) was submitted to the IEPA. Remedial activities involving excavation and off-site disposal were completed in Areas 1, 2A, and 2B from 27 September to 7 October 2010. Remedial activities were initiated with the installation and operation of the ERH system in Areas 3A, 3B, 4A, 4B, and 5 from 26 January to 19 July 2010. Confirmation soil sampling occurred in each area following remedial activities. No constituents were present at concentrations above the Tier 1 soil remediation objectives for residential properties. The property received a Comprehensive NFR Letter allowing for the development of the property for residential land use from the IEPA on 2 July 2013.

1.3 POTENTIAL SOURCES, MIGRATION PATHWAYS, AND EXPOSURE ROUTES

As previously discussed, the potential sources identified have been investigated, remediated, or determined not to be of concern. Since the objective of this additional sampling was to further investigate and characterize, the remaining portions of the former manufacturing areas not investigated or remediated under the prior actions have been considered a potential source.

1.4 CURRENT AND POST REMEDIATION LAND USE

The facility is currently vacant land. Residential redevelopment is being considered as the future land use.

1.5 LEGAL DESCRIPTION

As required by 35 IAC 740.435(b)(2)(d), the legal description for the 8.83-acre property is provided below:

Parcel 1

That part of the northeast quarter of Section 21, Township 39 North, Range 8 East of the third principal meridian, described as follows: commencing at the northwest corner of Brown and Geiss Subdivision of block 4 of William M. and J.S. Van Nortwick's addition; thence west along the south line of McKee Street extended 60 feet to the west line of Van Nortwick Avenue for a point of beginning; thence south along the west line of Van Nortwick Avenue 613 feet; thence west parallel with the south line of McKee Street extended 598.6 feet; thence north parallel with the west line of Van Nortwick avenue 643 feet to the center line of McKee Street Extended; thence east along said center line 598.6 feet; thence south 30 feet to the place of beginning, in the city of Batavia, Kane County, Illinois.

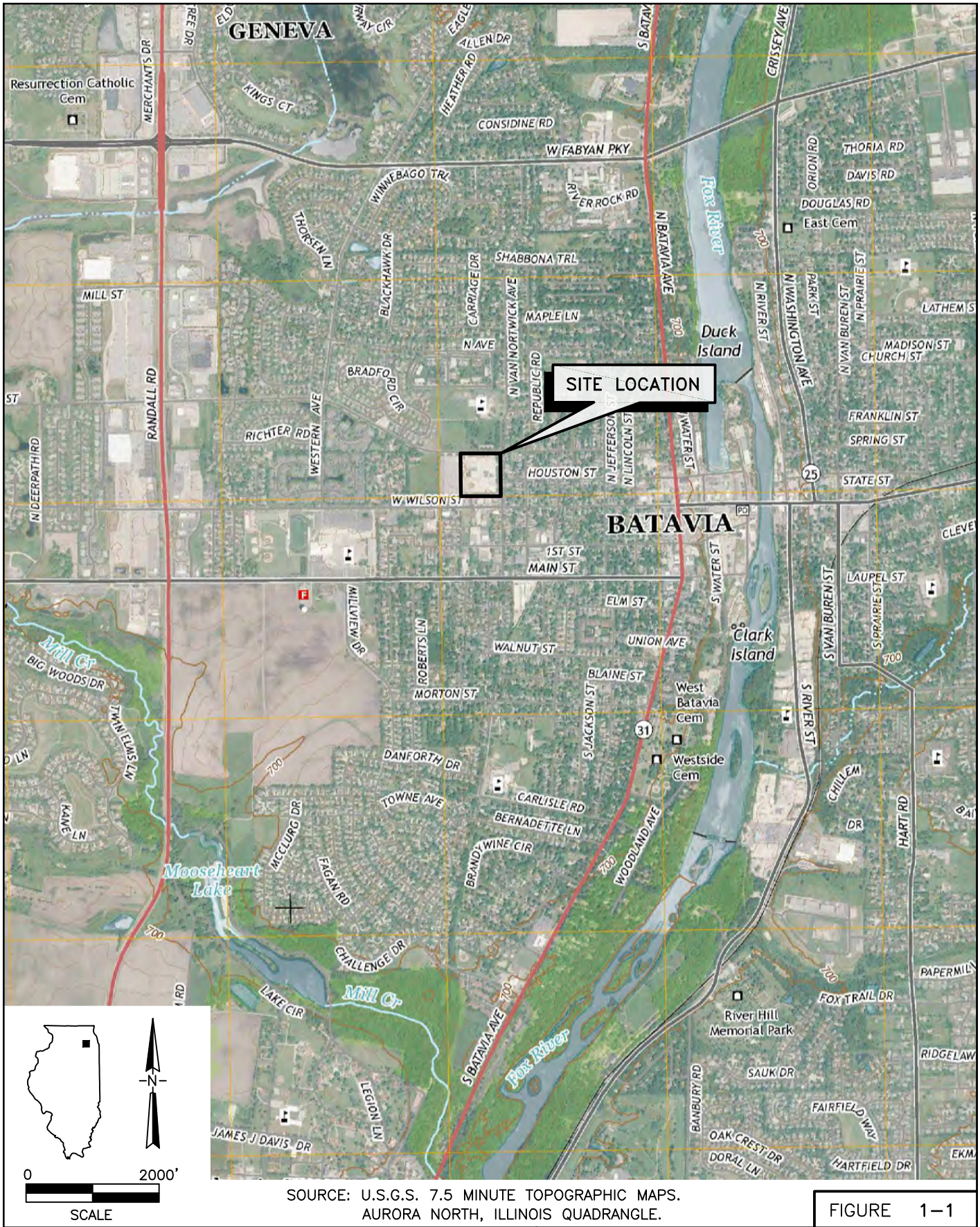
Parcel 2

The westerly 50 feet of that part of the northeast of quarter of Section 21, Township 39 North, Range 8 East of the third principal meridian, described as follows: beginning at the intersection of the south line of McKee Street extended west with the west line of Van Nortwick Avenue; thence south along the west line of Van Nortwick Avenue 803 feet; thence west parallel with the south line of McKee Street extended west 478.88 feet for a point of beginning; thence continuing west parallel with the said south line of McKee Street extended west 119.72 feet; thence north parallel with the west line of Van Nortwick Avenue 190 feet; thence east parallel with the said south line of McKee Street extended west 119.72 feet; thence south parallel with the west line of Van Nortwick Avenue 190 feet to the point of beginning, in the City of Batavia, Kane County, Illinois; excepting therefrom the south 33 feet dedicated for road purposes.

1.6 SOURCES

As previously discussed, a significant amount of research, investigation, and remedial action has occurred at the former Siemens facility. Below is a list of the significant reports generated for the facility and previously submitted to the IEPA, which were used as a basis of this report:

- *Closure Report for the Hazardous Waste Container Staging and Additional Area (WESTON, 1998)*
- *Focused Site Investigation Report (WESTON, 2003)*
- *Comprehensive Site Investigation, Remediation Objectives Report, and Remedial Action Plan (WESTON, 2006)*
- *Remedial Action Completion Report (WESTON, 2011)*
- *Comprehensive No Further Remediation Letter (IEPA, 2013).*



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAPS.
AURORA NORTH, ILLINOIS QUADRANGLE.

FIGURE 1–1

WESTON SOLUTIONS®

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

SITE LOCATION MAP

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

J:\CAD93\000\09114.dwg, 11/12/2015 3:56:01 PM

Parcel ID	Owner Info	Address	Use
12-21-201-009	Siemens Energy & Automation - Smart LLC (Furnas Electric Company)	1000 McKee Street	Industrial
12-21-226-033	Siemens Energy & Automation - Smart LLC (Furnas Electric Company)	N/A	Farmland
12-21-201-006	Colborn, Ruth	N/A	Farmland
12-21-251-086	Weirich, Randall & Michhael	N/A	Industrial
12-21-251-087	Ryan, Thomas H. (Venture Plan, Inc.)	920 W Wilson Street	Commercial
12-21-251-100	Riggs, John E. & Joan E. (The Giving Tree Early Learning Center)	1100 W Wilson Street	Industrial
12-21-251-148	Batavia, City of	N/A	Exempt
12-21-251-161	Wazio, John Jr. & Garvin, J.H. (JKLM Land Development, LLC)	N/A	Commercial
12-21-251-162	Sharrat, Jack D. (Sharrat Chiropractic)	940 W Wilson Street	Commercial
12-21-201-010	Weirich, Clarence J.	951 W Wilson Street	Exempt
12-21-201-011	Nast, Ronald F. & Rosemary F.	945 W Wilson Street	Exempt
12-21-201-012	Carne, Thomas G. & Diane	931 W Wilson Street	Exempt
12-21-201-013	Baines, James R. & Cathy L.	917/919 W Wilson Street	Exempt
12-21-277-005	Long, Christopher R. & Donat, Walter J.	4 N Van Nortwick Avenue	Residential
12-21-277-004	Lira, Anthony W.	18 N Van Nortwick Avenue	Residential
12-21-277-108	LaFreniere, Donald & Carrie	108 N Van Nortwick Avenue	Residential
12-21-228-005	Wolmer, Mary Ellen	114 N Van Nortwick Avenue	Residential
12-21-228-004	Repka, Steven M. & Kimberly	118 N Van Nortwick Avenue	Residential
12-21-228-001	Birkhaug, Eric T.	122 N Van Nortwick Avenue	Residential
12-21-227-005	Pilz, Reinhard & Pamela M.	825 Mc Kee Street	Residential
12-21-228-003	Bowman, Andrew R.	818 Mc Kee Street	Residential
12-22-107-001	Dweig, Kathleen M.	814 Mc Kee Street	Residential
12-22-107-002	Reynolds, Shelby D. & Amy	133 N Mallory Avenue	Residential
12-22-107-003	Ward, Hilary	127 N Mallory Avenue	Residential
12-22-107-004	Dienst-Thomas, Lisa & Thomas, Kevin	121 N Mallory Avenue	Residential
12-22-107-005	Craterfield, Robert L. & Linda L.	119 N Mallory Avenue	Residential
12-22-107-006	McGrath, William R.	113 N Mallory Avenue	Residential
12-22-107-007	Donat, Joseph A.	107 N Mallory Avenue	Residential
12-22-151-001	Pavnica, Amy L. & Thomas M.	31 N Mallory Avenue	Residential
12-22-151-002	Akers, Kim & Sandra	23 N Mallory Avenue	Residential
12-22-151-003	Smith, Herbert G. & Elizabeth H.	19 N Mallory Avenue	Residential
12-22-151-004	Garcia, Gabriela	15 N Mallory Avenue	Residential
12-22-51-005	Wall, Sergio & Gloria	11 N Mallory Avenue	Residential
12-22-151-006	Ryerson, Sarah J.	7 N Mallory Avenue	Residential
12-22-151-007	Hernandez, Ralph	3 N Mallory Avenue	Residential

FIGURE 1–2

N

0 150'

SCALE

TOWNSHIP 38N, RANGE 8E, SECTION 21

WESTON SOLUTIONS®

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

SITE BASE MAP

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

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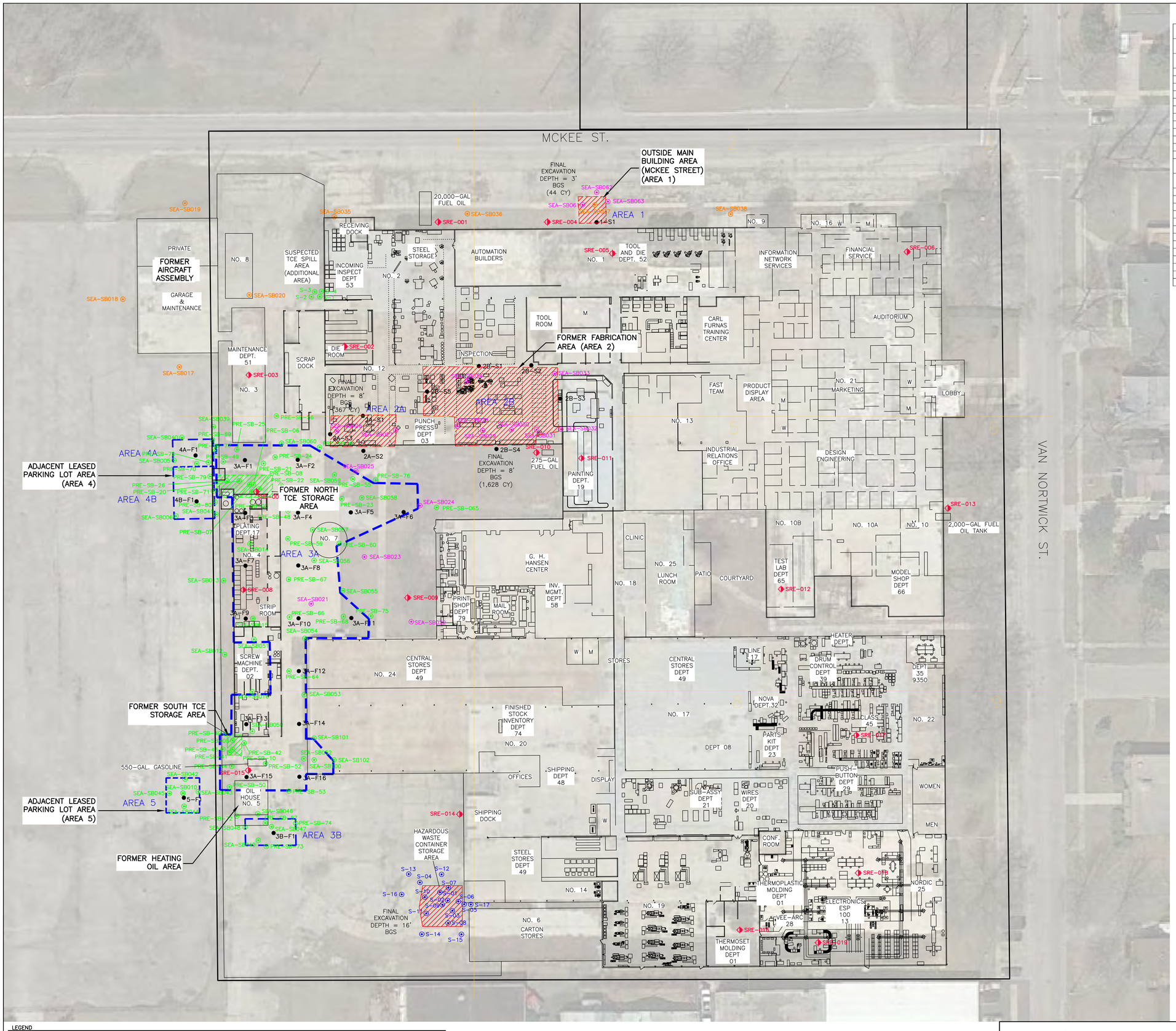


Historical Facility Operations Summary[1]

Building Number	Building and Operations Descriptions	Department Descriptions	Year Constructed
1	N.E. Building (1st Building)	Automation Builders, Tool & Die Department, Office Space	1940
2	N.W. Building (West addition to Building #1,Shipping, Finished Goods)	Former Fabrication Area, Incoming Inspection Department, Receiving Dock, Steel Storage	1940
3	Molding Department Building	Maintenance	1944
4	Plating, Cyanide, Screw Mach.	Plating, strip room	1947
		Screw Machine Shop	
5	Oil House		1949
6	Quonset	Carton Stores	1947
7	Water Tower		1948
8	Garage		1945
9	Pump House		Unknown
10	Laboratory	Test Lab Department, Model Shop	1954
10A	Laboratory	Test Lab Department	1963
10B	Laboratory	Test Lab Department	1969
11	Oil Tanks Vertical (removed)		*1967
12	S.W. Addition to Building #2 (Punch Press Machine Shop)	Former Fabrication Area, Inspection, Die Room	1953
13	S.E. Addition to Building #1 (Magnetic Assembly, Engineering Sales)	Office Space, Product Display Area	1957
14	Butler Building	Steel Stores Department	1954
15	Lab Extension (Not shown on figure)		*1963
16	Washroom		1960
17	Butler Building Addition		1960
18		Clinic	1960
19	Butler Building	Thermoset Molding Department	1961
20	Butler Building	Shipping Department, Finished Stock Inventory	1963
21	Office	Design & Engineering, Industrial Relations	1965
22	Assembly		1965
24	Warehouse	Central Stores	1967
25		Lunch Room	1971
	Garage and Maintenance	Former Aircraft Assembly Maintenance Area	Unknown
	Vault attached to buildings 16 and 1		1965

NOTES:
1. INFORMATION COMPILED FROM HISTORICAL WESTON REPORTS AND SIEMENS REAL ESTATE PROVIDED MATERIALS. SEE SOURCE INFORMATION BELOW.
2. * – CONSTRUCTION DATE UNKNOWN, REMOVAL DATE PROVIDED.
3. PROPERTY SIZE IS APPROXIMATELY 8.836 ACRES

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. PHASE I ESA – TESTING SERVICE CORPORATION, DECEMBER 1995
C. HAZARDOUS WASTE CONTAINER STAGING AREA CLOSURE REPORT – WESTON SOLUTIONS, JANUARY 1998
D. FOCUSED SITE INVESTIGATION REPORT – WESTON SOLUTIONS, JULY 2003
E. CISR/ROR/RAP – WESTON SOLUTIONS, JULY 2006
F. REMEDIAL ACTION COMPLETION REPORT – WESTON SOLUTIONS, JANUARY 2011
G. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

N
0 30'
SCALE

LEGEND
- ELECTRICAL RESISTANCE HEATING (ERH) REMEDIATION AREA
- EXCAVATED AREA
- HAZARDOUS WASTE AREA
- 1-ACRE GRID
- PREVIOUS SOIL SAMPLE LOCATION
- PREVIOUS CONFIRMATION SOIL SAMPLE LOCATION
- 2015 ROUND 1 SOIL SAMPLE LOCATION
- PREVIOUS SOIL SAMPLE LOCATION – VOC ONLY
- PREVIOUS SOIL SAMPLE LOCATION – PAH ONLY
- PREVIOUS SOIL SAMPLE LOCATION – TCL VOC/SVOC
- PREVIOUS SOIL SAMPLE LOCATION – VOC/SVOC/TCLP METALS

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

HISTORICAL SAMPLING INVESTIGATION AND POTENTIAL SOURCES MAP
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SCALE:	DRAWN:	DATE:	DWG. NO.	
1"=30'	D.C.H.	10/14	09114	FIGURE 1-3

SECTION 2
FIELD ACTIVITIES

The sampling and analysis plan for the comprehensive site investigation is provided in Appendix B and consisted of the collection and analysis of surface and subsurface soil samples, groundwater, and soil gas samples. The sampling and analysis plan was designed to satisfy the requirements of 35 IAC 740.425(b)(3). The overall objectives for sampling were to address potential future concerns that developers may have concerning the development of the property.

This field activities section presents a description of the field activities performed in accordance with 35 IAC Part 740.425(4). Field work was initiated on 8 January 2015 and completed on 13 November 2015 with the completion of the final sampling event. Soil sample locations for Round 1 of the investigation were selected based on historical facility uses, previous sampling, and remediation history. Round 1 soil sample locations are presented on Figure 2-1. Sample locations and analyses for subsequent rounds of investigation (Rounds 2 through 8) were determined by the initial Round 1 soil sampling analytical results. The additional sampling events were necessary to determine the following:

- The vertical extent of constituents in the on-site soil with constituents above Tier 1 soil remediation objectives identified in 35 IAC Part 742.
- An investigation of the glacial drift and shallow Silurian age bedrock water-bearing units at the facility (perched water-bearing unit and deep water-bearing unit).
- An investigation of the soil gas for constituents detected in the soil as provided in 35 IAC Part 742.
- An investigation of the vertical and lateral extent of a weathered petroleum material observed in soil borings.
- The vertical and lateral extent of constituents of identified foundry sand exhibiting PAHs at concentrations above Tier 1 soil remediation objectives identified in 35 IAC Part 742.

2.1 SOIL SAMPLING

A total of 126 investigative soil samples and 10 field duplicates were collected from 64 soil boring locations during the 2015 sampling activities. In addition, five investigative composite soil samples were collected from seven of 14 test pit locations. All soil boring and test pit

locations are provided in Figure 2-2. Photographic documentation of activities is provided in Appendix C. Soil boring logs are provided in Appendix D. All soil samples were analyzed by TestAmerica Laboratories (TestAmerica), in University Park, Illinois.

Drilling activities were performed by Cabeno Environmental (Cabeno) of New Lenox, IL and Earth Solutions, Inc. (Earth Solutions) of St. Charles, IL. The protocols and procedures described in Appendix B were followed unless specifically identified in the following subsections.

2.1.1 Round 1

Round 1 field soil sampling activities were performed from 8 to 9 January 2015. A total of 40 investigative soil samples and 4 field duplicate soil samples were collected from 19 soil boring locations (SB001 through SB019). Soil borings were advanced to a depth of 16.0 ft. bgs. A minimum of two and a maximum of three soil samples were collected at each location. Soil samples were collected from 0.0 to 2.0 ft. bgs at all locations. If no elevated photoionization detector (PID) readings or visual indicators of impacted soil were encountered, the subsurface soil sample was collected from 14.0 to 16.0 ft. bgs. However, if visual or field instruments indicated the soil has been impacted, a soil sample was collected from the 2-ft. interval exhibiting the highest PID reading or the 2-ft. interval determined to be most impacted by the field geologist/scientist. An additional soil sample was collected to determine the vertical extent of impact from the subsequent 2-ft. interval that did not exhibit visual signs of impact and did not demonstrate elevated PID readings. Table 2-1 provides a summary of the sampling purpose and analytical parameters per sample location. All samples were analyzed for one or more of the target compound list (TCL) constituents provided in 35 IAC Part 740. A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.

2.1.2 Delineation of Hotspots

Following the analytical data results review of the Round 1 sampling, delineation soil sampling activities were required to define the constituents of concern surrounding boring locations SB002, SB007 and SB011. A detailed review of Round 1 analytical data is provided in Section 3.2.1 Subsequent soil sampling activities (Rounds 2 through 8) occurred from March through October

2015. Table 2-1 provides a summary of the sampling purpose, sampling date and analytical parameters per sample location.

2.1.2.1 SB002 Hotspot

A total of 16 soil samples were collected at locations approximately 5.0 ft. and 10.0 ft. from sample location SB002 on 10 March 2015 (Round 2) to determine the extent of elevated VOC and PAH constituents (SB020 through SB025). All soil samples were collected from the 0.0 to 2.0 ft. bgs, 2.0 to 4.0 ft. bgs, 4.0 to 6.0 ft. bgs, and the 6.0 to 8.0 ft. bgs sampling intervals and were analyzed for VOCs and PAHs.

Five soil samples (including one duplicate) were collected on 10 April 2015 (Round 3) from four soil boring locations from the 0.0 to 2.0 ft. bgs sampling interval at locations approximately 10.0 and 20.0 ft. to the east and south from sample location SB025 to determine the lateral extent of VOC and PAH contamination (SB035 through SB038). All samples were analyzed for PAHs and VOCs.

A total of four soil samples were collected on 24 April 2015 (Round 4) from four soil boring locations via hand auger from the 0.0 to 2.0 ft. bgs sampling interval to determine the lateral extent of PAH contamination (SB043, SB044, SB045 and SB056) to the south and west of SB002. All samples were analyzed for PAHs. A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.1.

2.1.2.2 SB007 Hotspot

A total of 12 soil samples were collected from three soil boring locations at locations approximately 5.0 ft. from sample location SB007 on 9 March 2015 (Round 2) to determine the extent of PCB contamination (SB026 through SB028). All soil samples were collected from the 0.0 to 2.0 ft. bgs, 2.0 to 3.0 ft. bgs, 3.0 to 4.0 ft. bgs, and the 4.0 to 5.0 ft. bgs sampling intervals and were analyzed for PCBs. A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.1.

2.1.2.3 SB011 Hotspot

A total of 28 soil samples, including four duplicates, were collected from six soil boring locations at locations approximately 5.0 ft. and 10.0 ft. from sample location SB011 on 9 March 2015 (Round 2) to determine the extent of PAH, PCB and VOC contamination (SB029 through SB034). All soil samples were collected from the 0.0 to 2.0 ft. bgs, 4.0 to 6.0 ft. bgs, 8.0 to 10.0 ft. bgs, and the 10.0 to 12.0 ft. bgs sampling intervals and were analyzed for PAHs, PCBs and/or VOCs. In addition, samples collected from borings SB029 through SB034 were analyzed for total petroleum hydrocarbon (TPH) as diesel range organics (DRO), motor oil range organics (MRO) and gasoline range organics (GRO) analysis from the 8.0 to 10.0 ft. bgs and 10.0 to 12.0 ft. bgs sampling interval in order to demonstrate TPH is below natural attenuation.

An additional four soil samples were collected on 10 April 2015 (Round 3) from 0.0 to 2.0 ft. bgs at locations approximately 10.0 and 20.0 ft. from sample location SB033 to determine the lateral extent of VOC and PAH contamination (SB039 through SB042). All samples were analyzed for PAHs and VOCs.

Additionally, a total of 10 soil samples (including one duplicate) were collected on 24 April 2015 (Round 4) via hand auger from 0.0 to 2.0 ft. bgs (SB046 through SB051 and SB053 through SB055) to delineate PAH contamination to the north and east of SB011. One additional soil sample was collected on 13 May 2015 (Round 5) via hand auger from 0.0 to 2.0 ft. bgs (SB057) for delineation of PAHs to the soil of SB051. All samples were analyzed for PAHs. A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.1.

2.1.3 Additional Soil Characterization Sampling

A total of two soil samples were collected on 21 July 2105 (Round 6) from the fill and native material at soil boring location SB006 via Geoprobe from 1.0 to 3.0 and 15.0 to 17.0 ft. bgs and were analyzed for fraction organic carbon content of soil (f_{oc}), grain size and soil bulk density to be utilized in Tier 2 equations.

In addition, two samples were collected on 21 July 2015 (Round 6) from SB002 from 1.0 to 3.0 ft. bgs and SB011 from 3.0 to 4.0 ft. bgs for further characterization of fill material. Both samples were analyzed for TCLP PAHs.

Four soil samples were collected on 23 September 2015 (Round 7) via Geoprobe for further characterization of foundry sands from borings SB101 through SB104. Sample depths were 0.0 to 1.0, 1.0 to 3.0, 1.0 to 2.0 and 1.0 to 3.0 ft. bgs from borings SB101 through SB104, respectively. One sample was collected and analyzed from each of the four main eras of building expansion (1946, 1954, 1963, and 1972) as identified through review of historical aerial photographs. These samples were analyzed for total and TCLP PAHs. A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.

2.2 OTHER CONCERNS

2.2.1 Foundry Sands

During the removal of the remaining concrete building foundation slabs, a test pit investigation was performed to identify fill types present. Fill types defined during the test pit investigation include two types of black foundry sand (sand and light powder), non-foundry brown sand and black soil. Photographs 11, 15, 17, 18, 19, 22 and 24 provided in Appendix C illustrate the foundry sands. Foundry sands were typically identified in varying thickness across the facility between 0.0 and 6.0 ft. bgs. Four composite soil samples (one for each identified fill type) were analyzed for the full TCL and waste characterization criteria (SM-BLKSND-1, SRE-BLKSOIL-TP 3/4, SRE-LTBRNSAND-1 and SRE-BLKSAND-TP10/11). Based on the analytical results of sample SM-BLKSND-1, one additional composite soil sample of black sand (SRE-BLKSND-TP 1/2/5) was analyzed for PAHs. A detailed description of the physical properties of the material is provided in a geotechnical report prepared by JLT Laboratories Inc. (JLT) of Canonsburg, Pennsylvania is provided in Appendix E.

Based on a review of the soil boring logs, WESTON determined that a total of 50 black foundry sand samples were collected from 35 soil borings and five test pits during the investigation. Specifically, the following samples were determined to contain black foundry sand samples based on description and analytical results:

- SB002 and SB011 – 2 soil samples collected at the 0.0 to 2.0 ft. bgs sampling interval.
- SB020 – SB033 – 15 soil samples from the 0.0 to 2.0 and 2.0 to 4.0 ft. bgs sampling interval for borings adjacent to SB002 and 0.0 to 2.0 and 4.0 to 6.0 ft. bgs sampling interval for borings adjacent to SB011.

- SB035 – SB042 – 9 soil samples from the 0.0 to 2.0 ft. bgs sampling interval.
- SB043 through SB051 and SB053 through SB056 – 14 soil samples collected from the 0.0 to 2.0 ft. bgs sampling interval.
- SB057 – 1 soil sample collected from the 0.0 to 2.0 ft. bgs sampling interval.
- SB002 and SB011 – 2 soil samples collected from the 1.0 to 3.0 or 3.0 to 4.0 ft. bgs sampling interval respectively.
- SB101 – SB104 – 4 soil samples collected from the 0.0 to 1.0, 1.0 to 3.0, 1.0 to 2.0, and 1.0 to 3.0 ft. bgs sampling interval respectively.
- Test Pits 1, 2, 5, 10 and 11 – Three composite soil samples collected during the slab removal and test pit investigation.

A detailed evaluation of the soil sampling analytical results is provided in Section 3.2.2.

2.2.2 Weathered Material

A weathered petroleum substance (weathered material) was observed in soil borings SB010 and SB011 located near the former fuel oil tank area and former paint room. The weathered material is described as a low viscosity "sticky" petroleum-like in odor and color substance present in the soil as streaks of small droplets. Photographs 5, 12, 20, 21 and 25 provided in Appendix C illustrate the weathered material. Three samples of the material were collected during Round 1 in samples SRE-SB010-006-1, SRE-SB010-008-1 and SRE-SB011-010-1. Two samples of the weathered material were also collected during the first round of delineation sampling at SRE-SB031-008-1 and SRE-SB033-008-1. In addition, weathered material was observed in the shallow monitoring well installed adjacent to SB011 (MW02). A total of 24 soil borings (SB105A through SB108J) were advanced via Geoprobe by Earth Solutions to visually delineate the weathered material observed in SB010 and SB011.

A total of four samples were collected on 6 October 2015 (Round 8) from borings SB109B and SB112A to characterize the weathered material. Sample depths ranged from 6.0 to 9.0 ft. bgs in the four samples and corresponded to visual observation of weathered material in the boring. Samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) and PAHs as provided in 35 IAC Part 734 Petroleum Underground Storage Tanks, Appendix A. A detailed evaluation of the analytical results for the weathered material is provided in Section 3.2.2.

2.3 GROUNDWATER SAMPLING

A total of four shallow and four deep monitoring wells were installed during the investigations. Monitoring well locations are presented on Figure 2-3. After approximately 24-hours, 48-hours, three weeks, and again at four months after installation, two of the four shallow monitoring wells (MW01 and MW04) did not produce groundwater. Each measurement indicated no water accumulation within the well.

A total of seven investigative and three duplicate groundwater samples were collected from shallow and deep groundwater monitoring wells in July, October and November 2015. Monitoring wells were sampled following development and sampling procedures described in Appendix B. Table F-1 in Appendix F presents the field parameters collected during monitoring well sampling. A detailed evaluation of the groundwater sampling analytical results is provided in Section 3.2.3.

2.3.1 Site Hydrogeology

A total of eight monitoring wells were installed at the facility during the investigation in the perched and deep water-bearing units. The well construction logs are provided in Appendix D. Cross-sections displaying the site geology and monitoring wells are provided as Figures 2-3A and 2-3B.

Perched Water-Bearing Unit

Four shallow monitoring wells (MW01 through MW04) were installed in the upper 20.0 ft. bgs to intersect wet layers of silty clays or clayey sands found across the facility between 2.0 and 19.0 ft. bgs. MW01 was screened from 5.0 to 20.0 ft. bgs, MW02 was screened from 2.5 to 17.5 ft. bgs, MW03 was screened from 2.5 to 12.5 ft. bgs and MW04 was screened from 9.5 to 19.5 ft. bgs. Fifteen foot screens were utilized at MW01 and MW02 in order to straddle the potential water-bearing layers observed in the boring. Following installation, two of the four shallow monitoring wells (MW01 and MW04) did not produce groundwater within the well.

Deep Water-Bearing Unit

Four deep monitoring wells (MW01D through MW04D) were installed to a depth that allowed the well screen to be placed directly above the encountered bedrock. Deep monitoring wells contained 10-ft. screens and were placed to intersect wet to saturated sand and silt layers found above the bedrock between 22.0 and 40.0 ft. bgs.

Groundwater elevation measurements were collected prior to monitoring well sampling from the six water producing wells. Upon completion of monitoring well installation, Compass Surveying of Aurora, Illinois, an Illinois Licensed Surveyor, surveyed the newly installed monitoring well locations for vertical control. Each monitoring well was surveyed at the ground surface and at a marked reference point on the inner well casing. The accuracy of all vertical field survey measurements was +/- 0.01 ft. Each of the soil boring and monitoring well locations were also surveyed by WESTON using a Trimble Pro XR global positioning system (GPS) for lateral control. The accuracy of the lateral field survey measurements was approximately +/- 3 ft.

Table F-2 in Appendix F presents depth to groundwater measurements, top of casing elevations, and resulting groundwater elevations for each of the six monitoring wells. Figure 2-4 presents the deep groundwater elevations and the potentiometric surface based on the elevations. Groundwater flow across the facility is to the north/northwest. The hydraulic gradient across the facility, based on the potentiometric surface contours depicted on Figure 2-4 was calculated to be approximately 0.00946 to 0.0134 ft./ft.

Hydraulic conductivity of the deep water-bearing unit encountered at the facility was calculated by aquifer testing (slug tests) of the four deep monitoring wells. Both rising and falling head tests were conducted by inserting and subsequently removing an inert slug at each well. The data was evaluated using the Bouwer and Rice (1976, 1989) solution method. Analysis was completed using AQTESOLV, version 4.50, software. Appendix G provides the data and associated plots for hydraulic conductivity tests. Table G-1 located in Appendix G presents the hydraulic conductivity testing results. Results show that the mean hydraulic conductivity in the deep water-bearing unit ranged from 3.5×10^{-4} to 7.2×10^{-3} centimeters per second (cm/sec) with a geometric mean of 1.0×10^{-3} cm/sec.

After installation, only two of the four shallow monitoring wells produced groundwater. Aquifer testing was not conducted on the four shallow monitoring wells due to the discontinuous nature of the groundwater.

2.3.2 Justification for Groundwater Classification

Pursuant to the requirements of 35 IAC Section 620.220, the groundwater found in the shallow monitoring wells is considered Class II (General Resource Groundwater) since it does not meet the requirements of 35 IAC Section 620.210 for the following reasons:

- The unit is on average not located below 10 ft. or more below the land surface and;
- The unit is not located within the minimum setback zone of a well which serves as a potable water supply and to the bottom of such well;
- The unit is not an unconsolidated sand, gravel or sand and gravel which is 5 ft. or more in thickness and that contains 12 percent or less of fines (i.e. fines which pass through a No. 200 sieve tested according to ASTM Standard Practice D2488-84, incorporated by reference at Section 620.125);
- The unit is not a sandstone which is 10 ft. or more in thickness, or fractured carbonate which is 15 ft. or more in thickness.

Additionally, the deep water-bearing unit has a hydraulic conductivity greater than 1 x 10-4 cm/sec as determined by hydraulic conductivity testing of facility's deep monitoring wells. Thus, pursuant to the requirements of 35 IAC Section 620.210, deep groundwater underlying the facility is considered Class I (Potable Resource Groundwater) for purposes of establishing a Tier 1 SRO for the soil component of the groundwater ingestion exposure route for the deep monitoring wells.

2.3.3 Soil Gas Sampling

Eight soil gas samples including one duplicate were collected adjacent to Round 1 borings with the maximum detected concentration of parameters provided in 35 IAC Part 742 Appendix A, Table J. Soil gas sampling locations were selected in areas where remedial activities are not anticipated to be remediated during remedial activities (SB003, SB010, SB014, SB016, SB017 and SB019). Due to saturated site conditions, multiple mobilizations were needed to collect all planned soil gas samples. Figure 2-5 presents the soil gas sampling locations. All soil gas samples were collected at a depth of 3.5 ft. bgs with the exception of SG001 (4.0 ft. bgs), SG003 (14.5 ft.

bgs), and SG003RE (9.0 ft. bgs) that were collected at the sampling depth corresponding to the VOC detection or invert elevation of a potential basement floor. A PCB sample was not collected for analysis from SG003 due to damaged PUF media supplied by the laboratory. Table 2-1 provides a detailed sampling purpose and analytical parameters per sample location. A detailed evaluation of the soil gas sampling analytical results is provided in Section 3.2.4.

2.3.4 Hazardous Waste Characterization Sampling

Two waste characterization samples were collected from "hotspot" areas SB002, SB007 and SB011 (SRE-Waste-SB002-1 and SRE-Waste-SB007/SB011-1), and four waste characterization samples were collected from fill material type samples (SM-BLKSND-1, SRE-BLKSOIL-TP 3/4, SRE-LTBRNSAND-1 and SRE-BLKSAND-TP10/11). All waste characterization samples were collected from the impacted soil in the 0.0 to 2.0 ft. bgs sampling interval with an additional sample collected at the 10.0 to 12.0 bgs sampling interval at SB011. The additional sample was necessary to characterize soil at the deepest level of contamination encountered at SB011. All samples were analyzed for ignitability; corrosivity; reactive cyanide and sulfide, extractable organic halogens, pH, paint filter, PCBs, TCLP metals, pesticides, herbicides, VOCs and semivolatile organic compounds (SVOCs). A detailed evaluation of the waste characterization sampling analytical results is provided in Section 3.5.

Table 2-1
Sampling Purpose
Former Siemens Facility
Batavia, IL

Boring Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Purpose	Full TCL	Metals	BTEX	PAHs	TCLP PAHs	PCBs	SVOCs	VOCs	FOC	TPH	Grainsize	Waste Criteria
SOIL SAMPLES																
SRE-SB001	SRE-SB001-000-1	1/8/2015	0 - 2	Vicinity of historic 20,000-gallon fuel oil tank. Samples collected for fuel oil indicator parameters.		X	X	X								
	SRE-SB001-014-1	1/8/2015	14 - 16			X	X	X								
SRE-SB002	SRE-SB002-000-1	1/9/2015	0 - 2	Located in Die Room - Full TCL list for comprehensive assessment.	X											
	SRE-SB002-001-1	7/21/2015	1 - 3	Characterization of black sand surrounding SB002 (black sand)					X							
	SRE-SB002-014-1	1/9/2015	14 - 16	Located in Die Room - Full TCL list for comprehensive assessment.	X											
SRE-SB003	SRE-SB003-000-1	1/9/2015	0 - 2	Located in Maintenance Department (Building No.3). Full TCL List for comprehensive assessment.	X											
	SRE-SB003-014-1	1/9/2015	14 - 16		X											
SRE-SB004	SRE-SB004-000-1	1/8/2015	0 - 2	Area was sampled previously for VOCs/SVOCs. Area 1 remediated (excavated). Sample for metals only to complete		X										
	SRE-SB004-014-1	1/8/2015	14 - 16			X										
SRE-SB005	SRE-SB005-000-1	1/8/2015	0 - 2	Area was sampled previously for VOCs/SVOCs. Area 1 remediated (excavated). Sample for metals only to complete		X										
	SRE-SB005-014-1	1/8/2015	14 - 16			X										
SRE-SB006	SRE-SB006-000-1	1/8/2015	0 - 2	TCL for comprehensive assessment in the area. Based on historical uses (office space) no expectation for contamination. Surface sample only.	X											
	SRE-SB006-000-2	1/8/2015	0 - 2		X											
	SRE-SB006-001-1	7/21/2015	1 - 3	Collection of fill material for development of site specific criteria.									X		X	
	SRE-SB006-015-1	7/21/2015	15 - 17	Collection of native material for development of site specific criteria.									X		X	
SRE-SB007	SRE-SB007-000-1	1/9/2015	0 - 2	Located near former pole mounted transformer. Sample for PCBs only.						X						
	SRE-SB007-014-1	1/9/2015	14 - 16							X						
SRE-SB008	SRE-SB008-000-1	1/9/2015	0 - 2	Located in Plating Department (Building No. 4). Area previously remediated for VOCs. Sample for SVOC and Metals only to complete comprehensive assessment.		X					X					
	SRE-SB008-002-1	1/9/2015	2 - 4			X					X					
	SRE-SB008-006-1	1/9/2015	6 - 8			X					X					
SRE-SB009	SRE-SB009-000-1	1/9/2015	0 - 2	Located outside print shop (Department 79). Area was previously sampled for TCE or PAHs. Sample for metals only		X										
	SRE-SB009-014-1	1/9/2015	14 - 16			X										
SRE-SB010	SRE-SB010-000-1	1/8/2015	0 - 2	Sample located adjacent to former 275-gallon fuel oil tank. Analyzed for indicator parameters.		X	X	X								
	SRE-SB010-006-1	1/8/2015	6 - 8			X	X	X								
	SRE-SB010-008-1	1/8/2015	8 - 10			X	X	X								
SRE-SB011	SRE-SB011-000-1	1/8/2015	0 - 2	Located in former paint shop (Building No. 13). Full TCL list for comprehensive investigation.	X											
	SRE-SB011-010-1	1/8/2015	10 - 12		X											
	SRE-SB011-014-1	1/8/2015	14 - 16		X											
	SRE-SB011-003-1	7/21/2015	3 - 4	Characterization of black sand surrounding SB011 (black powder)					X							
SRE-SB012	SRE-SB012-000-1	1/8/2015	0 - 2	Located in former test lab (Building No. 10B). Full TCL list for comprehensive.	X											
	SRE-SB012-000-2	1/8/2015	0 - 2		X											
	SRE-SB012-014-1	1/8/2015	14 - 16		X											
SRE-SB013	SRE-SB013-000-1	1/8/2015	0 - 2	Located adjacent to 2,000-gallon fuel oil tank. Analyzed for indicator parameters		X	X	X								
	SRE-SB013-014-1	1/8/2015	14 - 16			X	X	X								
SRE-SB014	SRE-SB014-000-1	1/9/2015	0 - 2	Located east of remediation Area 3A. Sampled for Full TCL for comprehensive.	X											
	SRE-SB014-014-1	1/9/2015	14 - 16		X											
SRE-SB015	SRE-SB015-000-1	1/9/2015	0 - 2	Located adjacent to Former Oil House (Building No. 5) and 550 gallon gasoline tank. Area previously remediated for VOCs. Sample for additional indicator parameters.		X		X								
	SRE-SB015-000-2	1/9/2015	0 - 2			X		X								
	SRE-SB015-014-1	1/9/2015	14 - 16			X		X								
SRE-SB016	SRE-SB016-000-1	1/9/2015	0 - 2	Located in former Thermoset Molding Department (Building No. 19). Sampled for Full TCL for comprehensive investigation.	X											
	SRE-SB016-000-2	1/9/2015	0 - 2		X											
	SRE-SB016-014-1	1/9/2015	14 - 16		X											
SRE-SB017	SRE-SB017-000-1	1/8/2015	0 - 2	Located in former assembly and manufacturing area. Sampled for Full TCL for comprehensive investigation.	X											
	SRE-SB017-014-1	1/8/2015	14 - 16		X											
SRE-SB018	SRE-SB018-000-1	1/8/2015	0 - 2	Located in former assembly and electronics departments. Sampled for Full TCL for comprehensive investigation.	X											
	SRE-SB018-014-1	1/8/2015	14 - 16		X											
SRE-SB019	SRE-SB019-000-1	1/8/2015	0 - 2	Located in former assembly and molding departments. Sampled for Full TCL for comprehensive investigation.	X											
	SRE-SB019-014-1	1/8/2015	14 - 16		X											
SRE-SB020	SRE-SB020-000-1	3/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 sampling at SB002.				X				X				
	SRE-SB020-002-1	3/10/2015	2 - 4					X				X				
	SRE-SB020-004-1	3/10/2015	4 - 6					X				X				
	SRE-SB020-006-1	3/10/2015	6 - 8					X				X				
SRE-SB021	SRE-SB021-000-1	3/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 sampling at SB002.				X				X				
	SRE-SB021-002-1	3/10/2015	2 - 4					X				X				
	SRE-SB021-004-1	3/10/2015	4 - 6					X				X				
	SRE-SB021-006-1	3/10/2015	6 - 8									X				

Table 2-1
Sampling Purpose
Former Siemens Facility
Batavia, IL

Boring Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Purpose	Full TCL	Metals	BTEX	PAHs	TCLP PAHs	PCBs	SVOCs	VOCs	FOC	TPH	Grainsize	Waste Criteria
	SRE-SB022-000-1	3/9/2015	0 - 2					X				X				
	SRE-SB022-002-1	3/9/2015	2 - 4					X				X				
	SRE-SB022-004-1	3/9/2015	4 - 6	Delineate PAHs and VOCs detected above SROs during				X				X				
SRE-SB022	SRE-SB022-006-1	3/9/2015	6 - 8	Round 1 sampling at SB002.				X				X				
SRE-SB023	SRE-SB023-000-1	3/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 sampling at SB002.				X								
SRE-SB024	SRE-SB024-000-1	3/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 sampling at SB002.				X				X				
	SRE-SB025-000-1	3/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during				X								
SRE-SB025	SRE-SB025-002-1	3/10/2015	2 - 4	Round 1 sampling at SB002.				X								
	SRE-SB026-000-1	3/9/2015	0 - 2							X						
	SRE-SB026-002-1	3/9/2015	2 - 3							X						
	SRE-SB026-003-1	3/9/2015	3 - 4	Delineate PCBs detected above SROs during Round 1						X						
SRE-SB026	SRE-SB026-004-1	3/9/2015	4 - 5	sampling at SB007.						X						
	SRE-SB027-000-1	3/9/2015	0 - 2							X						
	SRE-SB027-002-1	3/9/2015	2 - 3							X						
	SRE-SB027-003-1	3/9/2015	3 - 4	Delineate PCBs detected above SROs during Round 1						X						
SRE-SB027	SRE-SB027-004-1	3/9/2015	4 - 5	sampling at SB007.						X						
	SRE-SB028-000-1	3/9/2015	0 - 2							X						
	SRE-SB028-002-1	3/9/2015	2 - 3							X						
	SRE-SB028-003-1	3/9/2015	3 - 4	Delineate PCBs detected above SROs during Round 1						X						
SRE-SB028	SRE-SB028-004-1	3/9/2015	4 - 5	sampling at SB007.						X						
	SRE-SB029-000-1	3/9/2015	0 - 2					X		X		X				
	SRE-SB029-004-1	3/9/2015	4 - 6					X		X		X				
	SRE-SB029-008-1	3/9/2015	8 - 10	Delineate PAHs, PCBs, and VOCs detected above SROs				X		X		X		X		
SRE-SB029	SRE-SB029-010-1	3/9/2015	10 - 12	during Round 1 sampling at SB011.				X		X		X		X		
	SRE-SB030-000-1	3/9/2015	0 - 2					X		X		X				
	SRE-SB030-004-1	3/9/2015	4 - 6					X		X		X				
	SRE-SB030-008-1	3/9/2015	8 - 10					X		X		X		X		
	SRE-SB030-008-2	3/9/2015	8 - 10	Delineate PAHs, PCBs, and VOCs detected above SROs				X		X		X		X		
SRE-SB030	SRE-SB030-010-1	3/9/2015	10 - 12	during Round 1 sampling at SB011.				X		X		X		X		
	SRE-SB031-000-1	3/9/2015	0 - 2					X		X		X				
	SRE-SB031-004-1	3/9/2015	4 - 6					X		X		X				
	SRE-SB031-008-1	3/9/2015	8 - 10					X		X		X		X		
	SRE-SB031-010-1	3/9/2015	10 - 12	Delineate PAHs, PCBs, and VOCs detected above SROs				X		X		X		X		
SRE-SB031	SRE-SB031-010-2	3/9/2015	10 - 12	during Round 1 sampling at SB011.				X		X		X		X		
	SRE-SB032-000-1	3/9/2015	0 - 2							X						
	SRE-SB032-000-2	3/9/2015	0 - 2							X						
	SRE-SB032-004-1	3/9/2015	4 - 6					X		X						
	SRE-SB032-008-1	3/9/2015	8 - 10	Delineate PAHs, PCBs, and VOCs detected above SROs				X				X				
SRE-SB032	SRE-SB032-010-1	3/9/2015	10 - 12	during Round 1 sampling at SB011.				X				X				
	SRE-SB033-000-1	3/9/2015	0 - 2					X								
	SRE-SB033-004-1	3/9/2015	4 - 6					X				X				
	SRE-SB033-004-2	3/9/2015	4 - 6					X				X				
	SRE-SB033-008-1	3/9/2015	8 - 10	Delineate PAHs, PCBs, and VOCs detected above SROs				X				X				
SRE-SB033	SRE-SB033-010-1	3/9/2015	10 - 12	during Round 1 sampling at SB011.				X				X				
	SRE-SB034-000-1	3/9/2015	0 - 2							X						
	SRE-SB034-004-1	3/9/2015	4 - 6							X						
	SRE-SB034-008-1	3/9/2015	8 - 10	Delineate PAHs, PCBs, and VOCs detected above SROs								X				
SRE-SB034	SRE-SB034-010-1	3/9/2015	10 - 12	during Round 1 sampling at SB011.								X				
	SRE-SB035-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during				X				X				
SRE-SB035	SRE-SB035-000-2	4/10/2015	0 - 2	Round 1 at SB002 and Delineation Soil Sampling at SB025.				X				X				
SRE-SB036	SRE-SB036-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB002 and Delineation Soil Sampling at SB025.				X				X				
SRE-SB037	SRE-SB037-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB002 and Delineation Soil Sampling at SB025.				X				X				
SRE-SB038	SRE-SB038-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB002 and Delineation Soil Sampling at SB025.				X				X				
SRE-SB039	SRE-SB039-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB011 and Delineation Soil Sampling at SB033.				X				X				

Table 2-1
Sampling Purpose
Former Siemens Facility
Batavia, IL

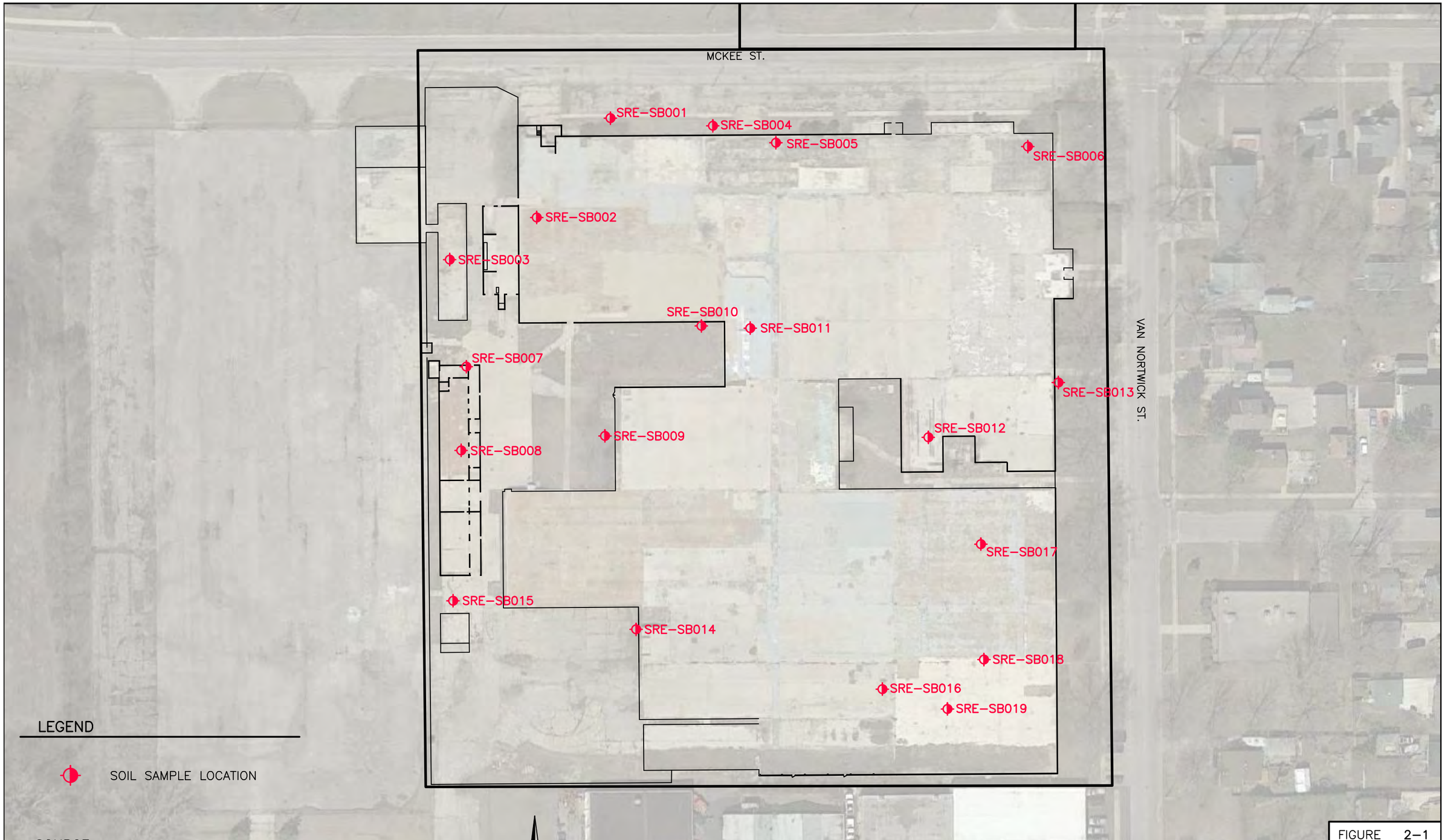
Boring Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Purpose	Full TCL	Metals	BTEX	PAHs	TCLP PAHs	PCBs	SVOCs	VOCs	FOC	TPH	Grainsize	Waste Criteria
SRE-SB040	SRE-SB040-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB011 and Delineation Soil Sampling at SB033.				X				X				
SRE-SB041	SRE-SB041-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB011 and Delineation Soil Sampling at SB033.				X				X				
SRE-SB042	SRE-SB042-000-1	4/10/2015	0 - 2	Delineate PAHs and VOCs detected above SROs during Round 1 at SB011 and Delineation Soil Sampling at SB033.				X				X				
SRE-SB043	SRE-SB043-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB002				X								
SRE-SB044	SRE-SB044-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB002				X								
SRE-SB045	SRE-SB045-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB002				X								
SRE-SB046	SRE-SB046-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB047	SRE-SB047-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB048	SRE-SB048-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB049	SRE-SB049-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB050	SRE-SB050-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB051	SRE-SB051-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB053	SRE-SB053-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
	SRE-SB053-000-1-D	4/24/2015	0 - 2					X								
SRE-SB054	SRE-SB054-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB055	SRE-SB055-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011				X								
SRE-SB056	SRE-SB056-000-1	4/24/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB002				X								
SRE-SB057	SRE-SB057-000-1	5/13/2015	0 - 2	Delineate PAHs detected above SROs at borings surrounding SB011.				X								
SRE-SB101	SRE-SB101-000-1	9/23/2015	0 - 1	Characterization of black sand representative of 1946				X	X							
SRE-SB102	SRE-SB102-001-1	9/23/2015	1 - 3	Characterization of black sand representative of 1954				X	X							
SRE-SB103	SRE-SB103-001-1	9/23/2015	1 - 2	Characterization of black sand representative of 1963				X	X							
SRE-SB104	SRE-SB104-001-1	9/23/2015	1 - 3	Characterization of black sand representative of 1972				X	X							
SRE-SB109B	SRE-SB109B-006-1	10/6/2015	6 - 7.5	Characterization of Weathered Material Surrounding SB010 and SB011.			X	X								
SRE-SB110C	SRE-SB110C-007-1	10/6/2015	7 - 9	Characterization of Weathered Material Surrounding SB010 and SB011.			X	X								
SRE-SB111B	SRE-SB111B-006-1	10/6/2015	6 - 8	Characterization of Weathered Material Surrounding SB010 and SB011.			X	X								
SRE-SB112A	SRE-SB112A-007-1	10/6/2015	7 - 8	Characterization of Weathered Material Surrounding SB010 and SB011.			X	X								
NA	SM-BLKSND-1	4/22/2015	NA	Grab sample of black sand fill identified for Full TCL and waste criteria.	X											X
TP-1, TP-2, TP-5	SRE-BLKSAND-TP 1/2/5	5/11/2015	NA	Composite sample of black sand fill identified in Test Pits 1, 2 and 5 for characterization of sand.				X								
TP-10, TP-11	SRE-BLKSAND-TP10/11	5/11/2015	NA	Composite sample of black sand fill identified in Test Pits 10 and 11. Analyzed for Full TCL and waste criteria.	X											X
TP-3, TP-4	SRE-BLKSOIL-TP 3/4	5/15/2015	NA	Composite sample of black soil fill identified in Test Pits 3 and 4. Analyzed for Full TCL and waste criteria.	X											X
NA	SRE-LTBRNSAND-1	5/11/2015	NA	Grab sample of brown sand fill identified for Full TCL and waste criteria.	X											X
SB002	SRE-Waste-SB002-1	4/10/2015	0 -2	Sample of soil from 0 - 2 at location SB002 for waste characterization.												X
SRE-SB007 / SRE-SB011	SRE-Waste-SB007/SB011-1	4/10/2015	0 - 2 and 10 - 12	Composite sample from SB007 from 0 - 2 and SB011 from 0 - 2 and 10 - 12 for waste characterization.												X
				Total Soil Samples	27	19	11	80	6	33	3	44	2	8	2	6

Table 2-1
Sampling Purpose
Former Siemens Facility
Batavia, IL

Boring Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Purpose	Full TCL	Metals	BTEX	PAHs	TCLP PAHs	PCBs	SVOCs	VOCs	FOC	TPH	Grainsize	Waste Criteria
GROUNDWATER SAMPLES																
MW02	SRE-MW02-XXX-01-1	7/24/2015	2.5 - 17.5	Collected for Full TCL for comprehensive investigation.	X											
	SRE-MW02-XXX-01-2	7/24/2015	2.5 - 17.5		X											
MW03	SRE-MW03-XXX-01-1	7/23/2015	2.5 - 12.5	Collected for Full TCL for comprehensive investigation.	X											
MW01D	SRE-MW01D-XXX-01-1	10/1/2015	27.5 - 37.5	Collected for Full TCL for comprehensive investigation.	X											
MW02D	SRE-MW02D-XXX-01-1	10/1/2015	27 - 37	Collected for Full TCL for comprehensive investigation.	X											
	SRE-MW02D-XXX-02-1	11/13/2015	27 - 37	Collected for TCE only to confirm TCE exceedance in MW02D.								X[2]				
MW03D	SRE-MW03D-XXX-01-1	10/1/2015	29 - 39	Collected for Full TCL for comprehensive investigation.												
MW03D	SRE-MW03D-XXX-01-4	10/1/2015	29 - 39	Collected for Full TCL for comprehensive investigation.	X											
MW04D	SRE-MW04D-XXX-01-1	10/1/2015	29.5 - 39.5	Collected for Full TCL for comprehensive investigation.	X											
MW04D	SRE-MW04D-XXX-01-2	10/1/2015	29.5 - 39.5	Collected for Full TCL for comprehensive investigation.	X											
				Total Groundwater Samples	8	0	0	0	0	0	0	1	0	0	0	0
SOIL GAS SAMPLES[3]																
SRE-SG001	SRE-SG001-004-1	8/13/2015	4	Collected adjacent to SB003 for VOCs and PCBs.						X		X				
SRE-SG002	SRE-SG002-003-1	7/22/2015	3.5	Collected adjacent to SB010 for VOCs and PCBs.						X		X				
SRE-SG003	SRE-SG003-014-1	10/6/2015	14.5	Collected adjacent to SB014 for VOCs.								X				
SRE-SG003RE	SRE-SG003RE-009-1	11/11/2015	9	Collected to delineate vinyl chloride detected in SG003.								X				
SRE-SG004	SRE-SG004-003-1	7/22/2015	3.5	Collected adjacent to SB016 for VOCs and PCBs.						X		X				
SRE-SG005	SRE-SG005-003-1	7/22/2015	3.5	Collected adjacent to SB017 for VOCs and PCBs.						X		X				
SRE-SG006	SRE-SG006-003-1	7/22/2015	3.5	Collected adjacent to SB019 for VOCs and PCBs.						X		X				
SRE-SG006	SRE-SG006-003-2	7/22/2015	3.5							X		X				
				Total Soil Gas Samples	0	0	0	0	0	6	0	8	0	0	0	0

Notes:
1. Metals analytical parameters includes cyanide analysis by method SW846 9012A.
2. Sample analyzed for trichloroethylene (TCE) only.
3. Soil gas samples were collected adjacent to Round 1 borings exhibiting the based on the maximum detected concentration of parameters provided in 35 IAC Part 742 Appendix A, Table J.

ft bgs = Feet below ground surface
ID = Identification
No. = Number
BTEX = Benzene, ethylbenzene, toluene, and total xylenes
FOC = Fraction organic carbon content
PAH = Polycyclic aromatic hydrocarbon
PCBs = Polychlorinated biphenyls
SVOCs = Semi volatile organic compounds
TCL = Target compound list; Appendix A of 35 IAC 740: Site Remediation Program
TCLP = Toxicity characteristic leaching procedure
TPH = Total petroleum hydrocarbon
VOCs = Volatile organic compounds



SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

WESTON SOLUTIONS

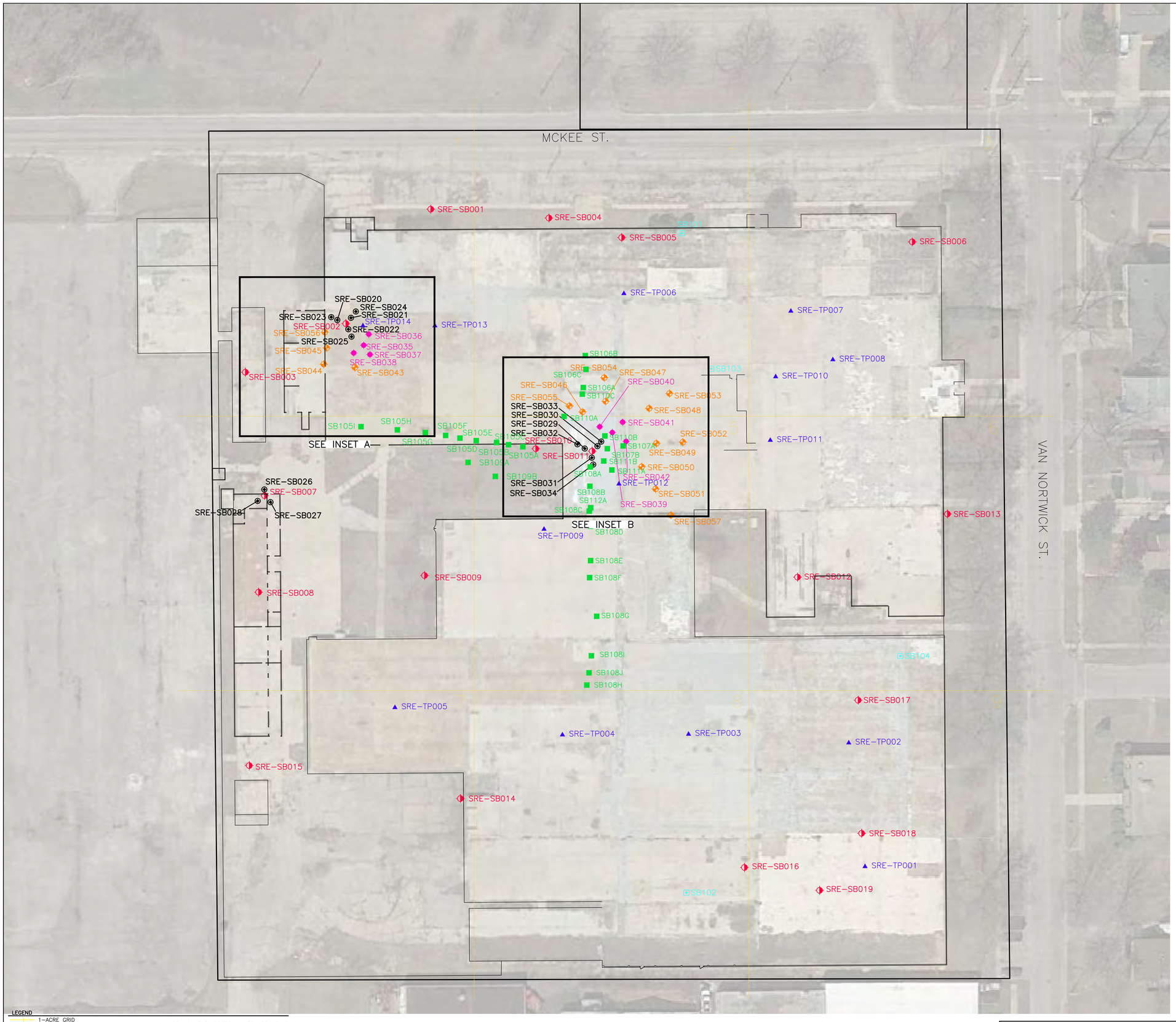
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

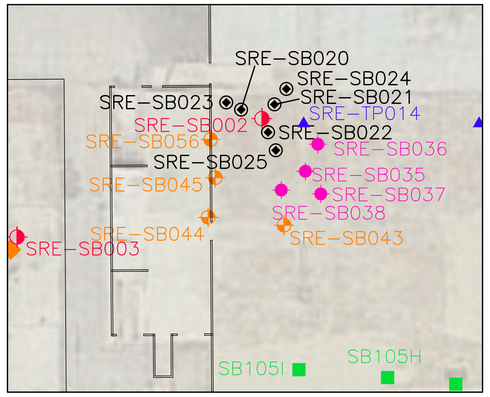
FIGURE 2–1

SOIL SAMPLE LOCATION MAP

FORMER SIEMENS FACILITY

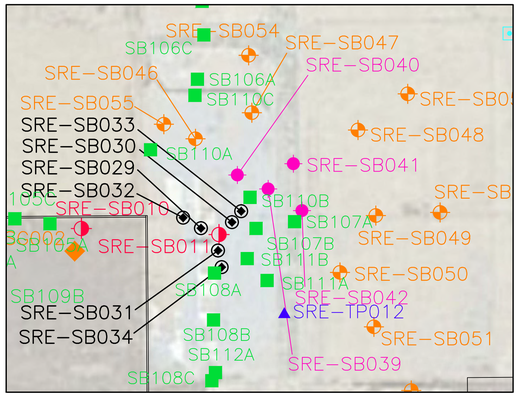
Batavia, Kane County, Illinois





INSET A

0 20'
SCALE



INSET B

0 20'
SCALE

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. PHASE I ESA – TESTING SERVICE CORPORATION, DECEMBER 1995
C. HAZARDOUS WASTE CONTAINER STAGING AREA CLOSURE REPORT – WESTON SOLUTIONS, JANUARY 1998
D. FOCUSED SITE INVESTIGATION REPORT – WESTON SOLUTIONS, JULY 2003
E. CISR/ROR/RAP – WESTON SOLUTIONS, JULY 2006
F. REMEDIAL ACTION COMPLETION REPORT – WESTON SOLUTIONS, JANUARY 2011
G. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

N

0 30'
SCALE

LEGEND

- 1–ACRE GRID
- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- SOIL SAMPLE LOCATION (ROUND 3)
- SOIL SAMPLE LOCATION (ROUND 4)
- TEST PIT LOCATION
- SOIL SAMPLE LOCATION – FOUNDRY SAND CHARACTERIZATION SAMPLE LOCATIONS
- SOIL SAMPLE LOCATION – WEATHERED MATERIAL DELINEATION

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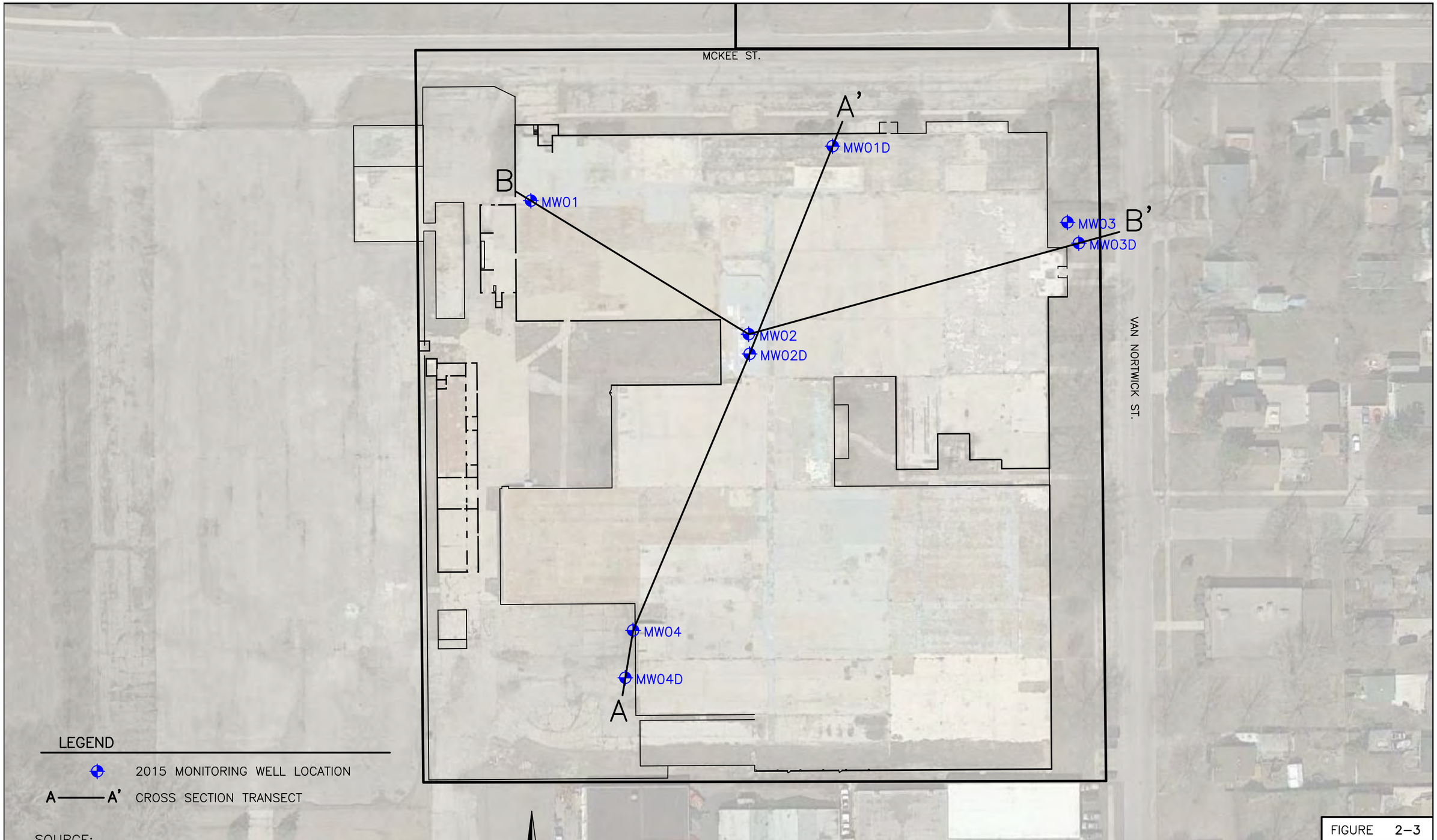
DELINEATION SOIL SAMPLE AND TEST PIT LOCATION MAP
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SCALE:	DRAWN:	DATE:	DWG. NO.	
1"=30'	D.C.H.	10/14	09114	FIGURE 2–2



SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

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FIGURE 2–3

MONITORING WELL LOCATION MAP

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

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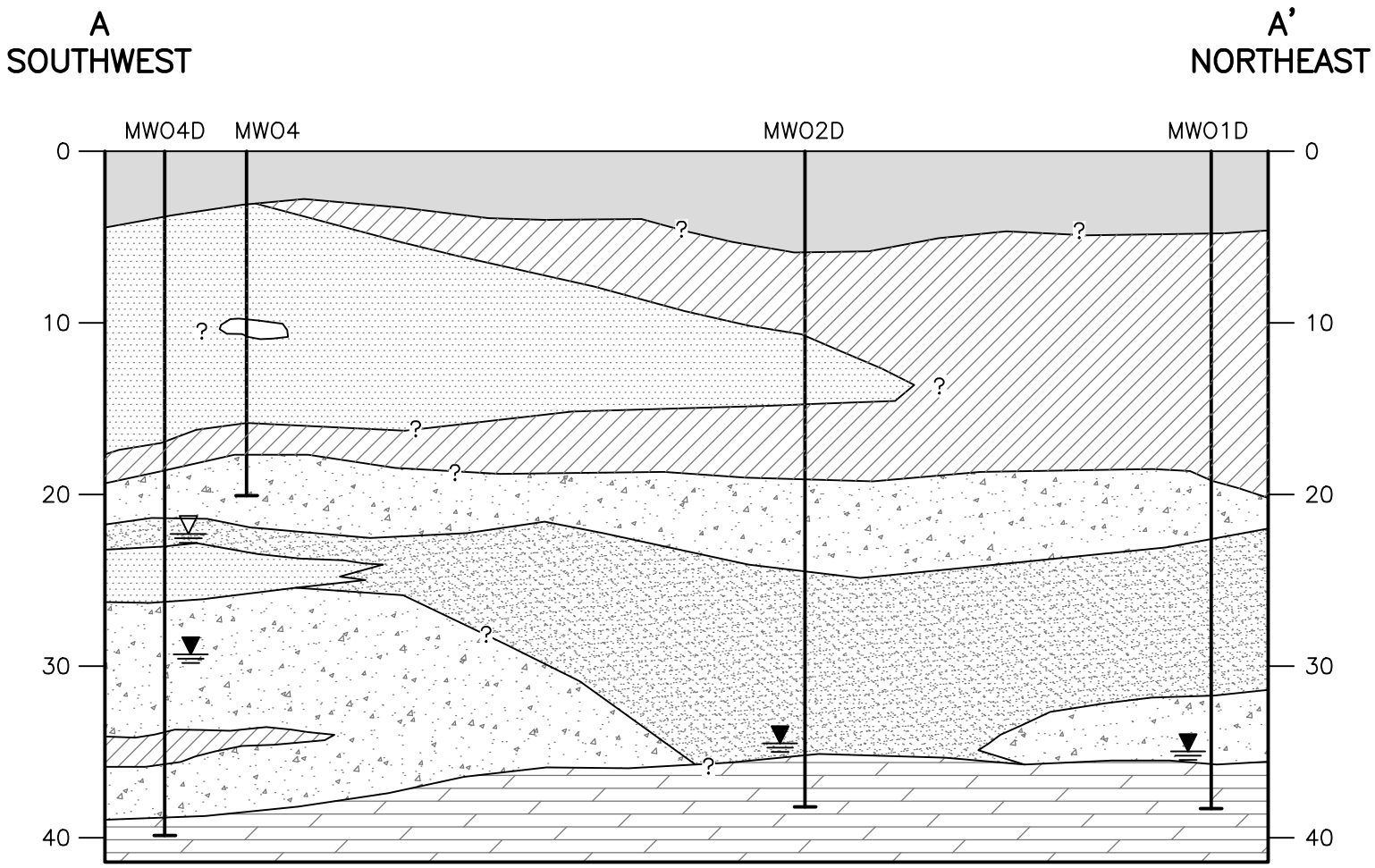

LEGEND

- PERCHED WATER BEARING ZONE
- DEEP WATER BEARING ZONE
- FILL – SAND AND GRAVEL
- SILTY OR SANDY CLAY
- SILTY OR CLAYEY SAND
- SAND AND GRAVEL
- DOLOMITE BEDROCK
- CLAY

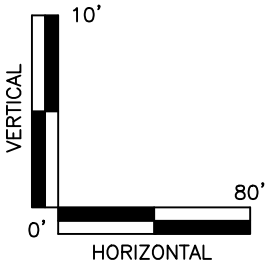

FIGURE 2–3A

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GEOLOGIC CROSS SECTION A–A'

FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

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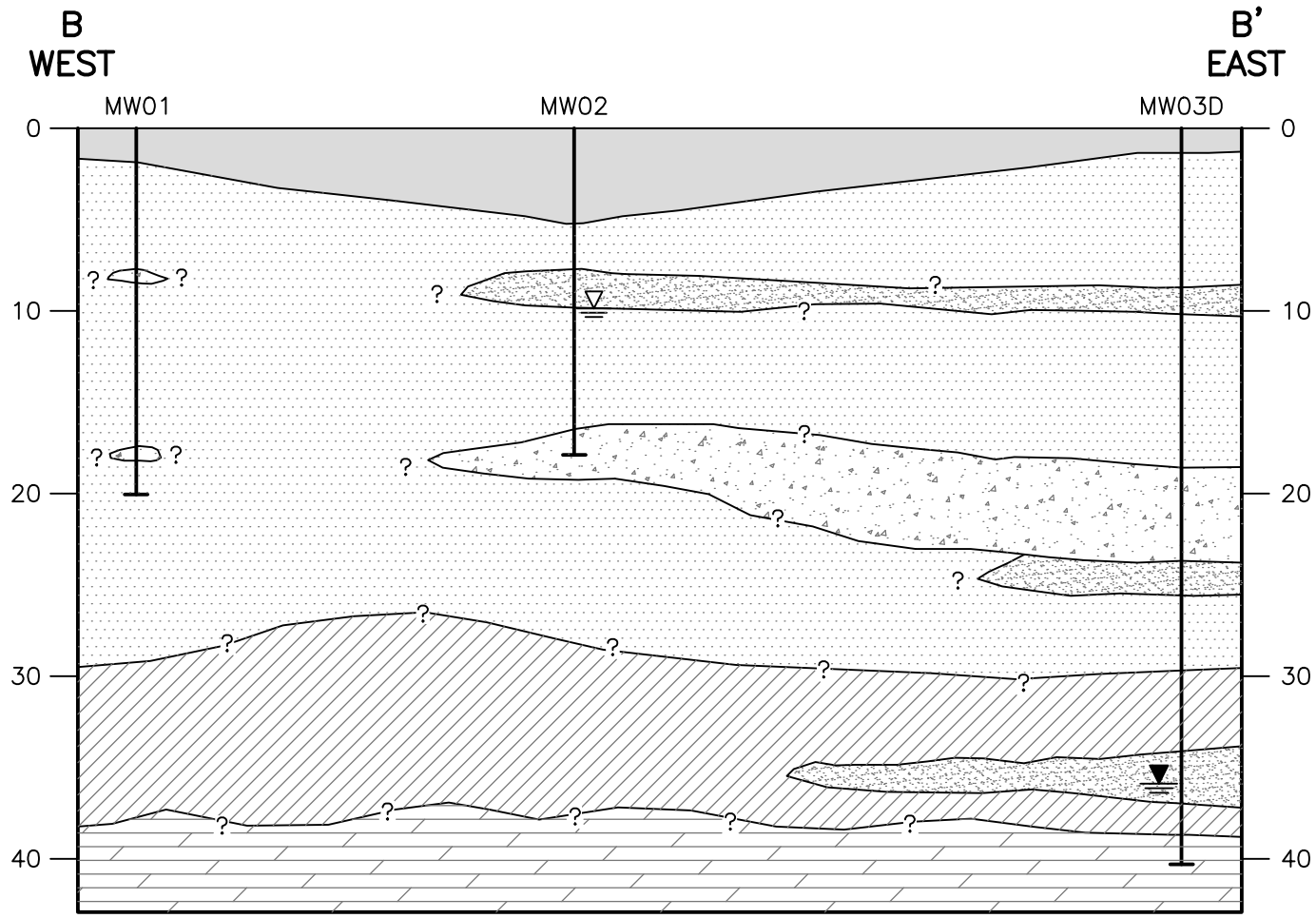


LEGEND

- PERCHED WATER BEARING ZONE
- DEEP WATER BEARING ZONE
- FILL – SAND AND GRAVEL
- SILTY OR SANDY CLAY
- SILTY OR CLAYEY SAND
- SAND AND GRAVEL
- DOLOMITE BEDROCK
- CLAY

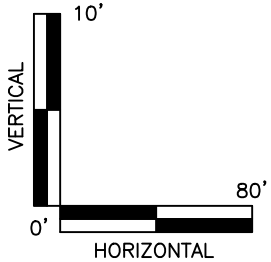


FIGURE 2–3B

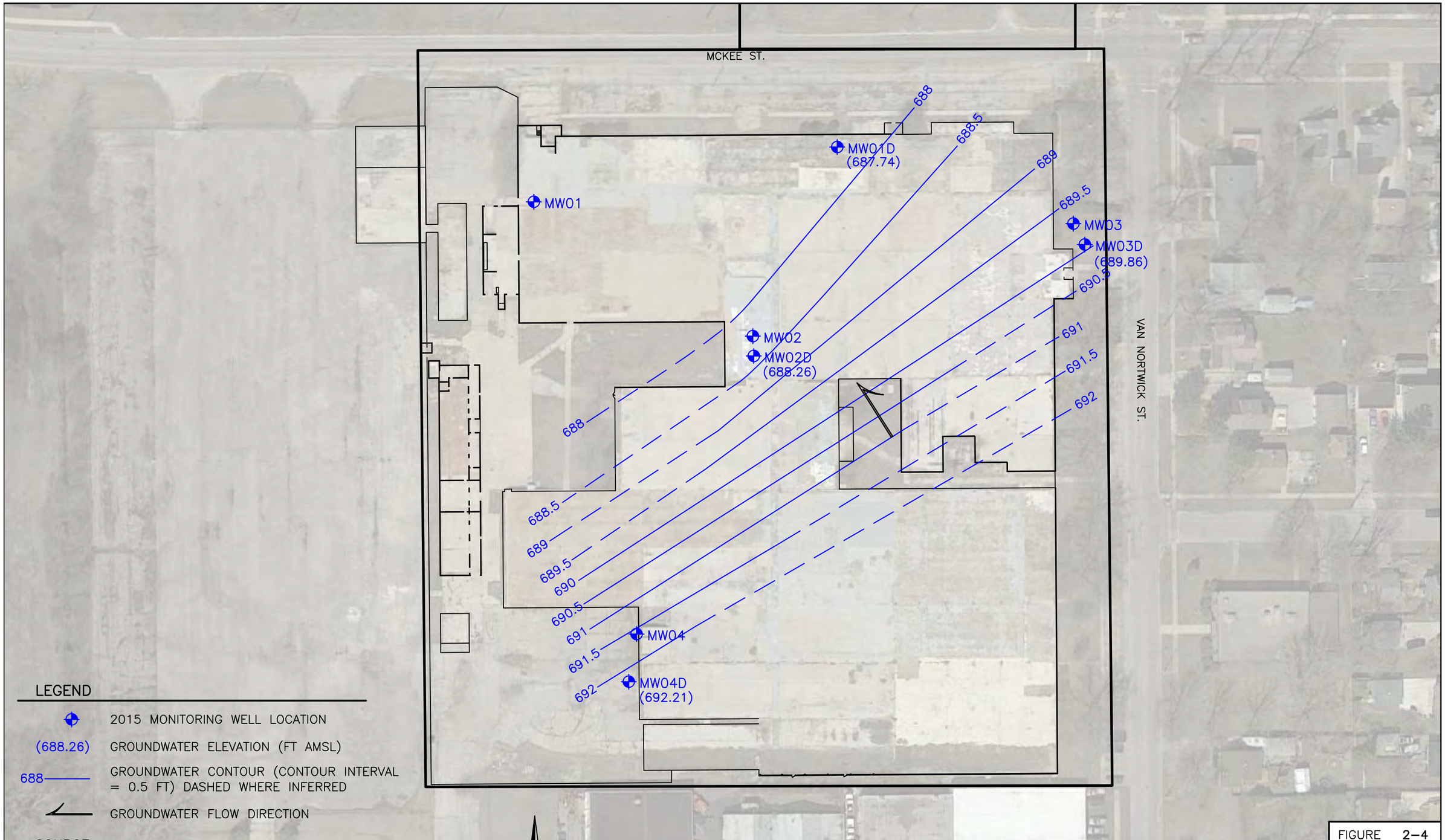
WESTON SOLUTIONS®

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

GEOLOGIC CROSS SECTION B–B'

FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

J:\CAD93\000\09114.dwg, 12/17/2015 3:26:06 PM


MCKEE ST.
VAN NORTWICK ST.
MW01
MW01D
(687.74)
MW02
MW02D
(688.26)
MW03
MW03D
(689.86)
MW04
MW04D
(692.21)
688
688.5
689
689.5
690
690.5
691
691.5
692
LEGEND
2015 MONITORING WELL LOCATION
(688.26) GROUNDWATER ELEVATION (FT AMSL)
688 GROUNDWATER CONTOUR (CONTOUR INTERVAL = 0.5 FT) DASHED WHERE INFERRED
GROUNDWATER FLOW DIRECTION
SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014
-N-
0
80'
SCALE
WESTON SOLUTIONS
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060
FIGURE 2–4
GROUNDWATER FLOW MAP
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

NOTE:
SOIL GAS SAMPLES LOCATED ADJACENT TO ROUND 1 SOIL BORINGS WITH THE MAXIMUM DETECTED CONCENTRATION OF PARAMETERS PROVIDED IN 35 IAC PART 742 APPENDIX A, TABLE J NOT EXPECTED TO BE EXCAVATED DURING REMEDIAL ACTIVITIES.

LEGEND

- SOIL GAS SAMPLE LOCATION
- ROUND 1 SOIL SAMPLE LOCATION

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

-N-

0 80'
SCALE

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

FIGURE 2-5

SOIL GAS SAMPLE LOCATION MAP
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SECTION 3
ENDANGERMENT ASSESSMENT

This section presents a detailed description of the nature and extent of elevated constituents in accordance with 35 IAC Part 740.435(6). During the 2015 sampling activities, the following samples were collected:

- A total of 141 soil samples including 10 duplicates were collected from 64 soil boring and seven test pit locations.
- A total of 50 of the 141 soil samples collected during the investigation were of the black foundry sand fill material identified in 35 borings and five test pits at the facility.
- A total of 9 of the 141 soil samples collected during the investigation were of the weathered material identified at the facility from borings SB010, SB011, SB031, SB033 and SB109 through SB112.
- A total of six soil samples were collected for waste characterization from soil borings SB002, SB007, SB011 and of each identified fill types at the facility.
- A total of ten groundwater samples, including 3 duplicates were collected from six monitoring well locations.
- A total of eight soil gas samples, including one duplicate were collected adjacent to six Round 1 soil boring locations.

3.1 DATA EVALUATION PROCEDURES

3.1.1 Soil

In accordance with 35 IAC Part 742, the most stringent soil remediation objective (SRO) for the ingestion, inhalation, and the soil component of the groundwater ingestion routes for residential properties were used to evaluate compliance with the soil remediation objectives provided in 35 IAC Part 742, Appendix B, Table A. In addition, all discrete metal and PAH concentrations were compared to the typical background soil concentrations for counties within metropolitan areas provided in 35 IAC Part 742, Appendix A, Tables G and H. In all cases, the Tier 1 soil remediation objectives will be considered to be met if the analyte is below the typical background concentration.

The Tier 1 soil remediation objectives for Class I groundwater was used to demonstrate compliance with the soil component of the groundwater ingestion exposure route. As previously described in Subsection 2.3.1 two water-bearing units have been identified at the facility. These units are the perched water-bearing unit (Class II) and the deep water-bearing unit (Class I). Specifically, analytical results from soil samples collected were compared to the soil remediation objectives for Class I groundwater for the soil component of the groundwater ingestion exposure route.

In addition, the total metal concentrations were compared against the pH-specific soil remediation objectives for the soil component of the groundwater ingestion exposure route provided in 35 IAC Part 742, Appendix B, Tables C and D. The corresponding TCLP metal concentration for an analyte was also compared to the soil remediation objectives provided in 35 IAC Part 742, Appendix B, Table A. The analyte was only considered to be above the Tier 1 soil remediation objectives if the concentration was above both soil remediation objectives (i.e. TCLP and pH-specific soil remediation objectives). In all cases, the Tier 1 soil remediation objectives were considered to be met if the analyte was below the typical background concentration provided in 35 IAC Part 742 Appendix A in accordance with 35 IAC Part 742.415(b).

To evaluate potential risk to the construction worker, soil analytical results were also compared to the soil remediation objectives provided in 35 IAC Part 742, Appendix B, Table B.

3.1.2 Other Concerns

3.1.2.1 Foundry Sand

Analytical results from samples collected of the black foundry sands were compared to the soil data evaluation process discussed in Subsection 3.1.1. Class II groundwater remediation objectives found in 35 IAC Part 742, Appendix B, Table E were used to evaluate the TCLP PAH soil sampling analytical results.

3.1.2.2 Weathered Material

Analytical results from samples collected of the weathered material were compared to the soil data evaluation process discussed in Subsection 3.1.1.

3.1.3 Groundwater

Groundwater analytical results were compared to Tier 1 groundwater remediation objectives for the groundwater component of the groundwater ingestion route for Class I or Class II groundwater provided in 35 IAC Part 742 Appendix B, Table E. The corresponding dissolved metal concentration for an analyte was also compared to the groundwater remediation objectives provided in 35 IAC Part 742, Appendix B, Table E. The analyte was only considered to be above the Tier 1 soil remediation objectives if both concentrations (i.e. total and dissolved) were above groundwater remediation objectives.

3.1.4 Soil Gas

Soil gas analytical results were compared to Tier 1 soil gas remediation objectives for residential criteria for the indoor inhalation exposure routes provided in 35 IAC Part 742, Appendix B, Table H and criteria calculated from J&E1 and J&E2 equations provided in 35 IAC Part 742, Appendix C, Table L.

3.2 ANALYTICAL RESULTS

3.2.1 Soil Sampling Analytical Results

Analytical results from soil samples indicated the presence of metals, VOCs, PAHs, and PCBs above the Tier 1 soil remediation objective for residential properties.

The soil sampling analytical results and Tier 1 SROs are provided in Table 3-1 for inorganic parameters and 3-2 for detected organic parameters. Only constituents detected in at least one soil sample are listed in Table 3-2. Constituents present in soil samples at concentrations above the Tier 1 SROs are provided in Figures 3-1 through 3-5. Copies of laboratory analytical results are located in Appendix H. All soil sampling analytical results are provided in Table H-1.

Residential Ingestion Exposure Pathway

Metals, PAHs, and PCBs were present at concentrations above the Tier 1 SROs for residential properties for the ingestion exposure route. Analytical results are summarized in Tables 3-1 and 3-2.

As provided in 35 IAC Part 742 Section 742.225, soil sample results can be averaged to demonstrate compliance relative to the ingestion exposure route. ProUCL, version 4.1.01, was used to calculate a 95% upper confidence limit (95UCL) on the mean for arsenic and manganese detected above soil remediation objectives in Round 1 soil samples. The calculated 95UCL are provided below:

- Arsenic = 9.65 milligrams per kilogram (mg/kg); less than the SRO of 11.3 mg/kg
- Manganese = 485.9 mg/kg; less than the SRO of 1,600 mg/kg

As a result of the 95UCL evaluation, arsenic and manganese in soil do not exceed the residential ingestion soil remediation objective for the facility for Round 1 sample locations. The input data and the output generated from ProUCL for arsenic and manganese is provided in Appendix I.

Benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were present at concentrations above the Tier 1 SROs in soil samples SRE-SB002-000-1 and SRE-SB011-000-1. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene here were present in black foundry sand samples. See Subsection 3.2.2.1 for a detailed discussion of the foundry sand.

PCBs (Aroclor 1254) was present in soil samples SRE-SB007-000-1 and SRE-SB011-000-1, Aroclor 1254 and 1260 in soil sample SRE-SB029-004-1 and Aroclor 1260 in soil sample SRE-SB031-000-1 at total concentrations above the Tier 1 SRO for residential property for the ingestion exposure route.

No VOCs or pesticides were present at concentrations above the Tier 1 SROs for residential properties for the ingestion exposure route.

Residential Inhalation Exposure Pathway

TCE was present at a concentration above the Tier 1 SRO for residential property for the inhalation exposure pathway in soil sample SRE-SB021-000-1.

No metals, PAHs, PCBs, or pesticides were present at concentrations above Tier 1 SRO for residential property for the inhalation exposure pathway.

Soil Component of the Groundwater Migration Exposure Pathways

Metals, VOCs, PAHs and one pesticide were detected above the Tier 1 SRO for the soil component of the groundwater migration exposure pathway for Class I groundwater at soil boring locations SB002, SB005, SB011 and SB014 during Round 1 of the soil sampling investigation. VOCs and/or PAHs were detected above the Tier 1 soil remediation objective for the soil component of the groundwater migration exposure pathway for Class I groundwater at 16 of the 37 soil boring locations from subsequent rounds of delineation soil sampling surrounding borings SB002 and SB011.

Total selenium and total chromium were detected in soil sample SRE-SB005-000-1. However, TCLP selenium and chromium were not detected above the laboratory reporting limit. Therefore, no metals were present at a concentration above the SRO for the soil component of the groundwater ingestion pathway.

Benzene, tetrachloroethene (PCE), and TCE were present at concentrations above the SRO for the soil component of the groundwater ingestion pathway. Benzene was detected in soil sample SRE-SB002-000-1. PCE was detected in soil samples SRE-SB002-000-1 and SRE-SB021-000-1. TCE was detected in soil samples SRE-SB002-000-1, SRE-SB011-014-1, SRE-SB021-000-1, SRE-SB031-010-1, and SRE-SB031-010-2. Vinyl chloride was detected in soil samples SRE-SB014-014-1 and SRE-SB029-010-1.

No PAHs were present at concentrations above the SRO for the soil component of the groundwater ingestion pathway. However, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene

were detected in the black foundry sand at concentrations above SROs for this exposure pathway as discussed in detail in Section 3.2.2.1.

No pesticides or PCBs were present at concentrations above the SRO for the soil component of the groundwater ingestion pathway. Dieldrin was present at a concentration above the SRO but below the acceptable detection limit in soil sample SRE-SB011-000-1.

Construction Worker Ingestion and Inhalation Exposure Pathways

No constituents were present at concentrations above the Tier 1 soil remediation objective for the construction worker ingestion pathway. However, benzo(a)pyrene, was detected in the black foundry sand at concentrations above SROs for this exposure pathway as discussed in detail in Section 3.2.2.1. No constituents were present at concentrations about the Tier 1 construction worker inhalation exposure pathway.

Mercury was detected at several locations at concentrations in excess of the construction worker inhalation SRO of 0.1 mg/kg. Based on the historical operations at the facility, no evidence of elemental mercury use was identified. Therefore, mercury is not considered a constituent of concern based on historical use of the facility.

3.2.2 Other Concerns

3.2.2.1 Foundry Sand

As discussed in Section 2.2.1, four fill types were identified at the facility: brown sand, black soil and two types of foundry sand (black sand and black powder).

- Based on the analytical results of the brown sand sample, (SRE-LTBRNSAND-1), no constituents were present at concentrations above Tier 1 SROs for the residential ingestion and inhalation exposure routes, construction worker ingestion and inhalation exposure routes, and soil component of the groundwater ingestion exposure route for Class I groundwater. Analytical results are summarized in Table 3-2.

- Based on the analytical results for the black soil sample, (SRE-BLKSOIL-TP 3/4) no constituents were present at concentrations above Tier 1 SROs for the residential ingestion and inhalation exposure routes, construction worker ingestion and inhalation exposure routes, and soil component of the groundwater ingestion

exposure route for Class I groundwater. Analytical results are summarized in Table 3-2.

- Two types of black foundry sand were identified, a black sand and black powder. Based on the analytical results from the two black foundry sands types, only benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above Tier 1 SROs in both types of foundry sand as discussed below. PAH analytical results for the black foundry sand samples are summarized in Table 3-3. Figure 3-4 presents the foundry sand soil sample locations and analytical results.

Residential Ingestion and Inhalation Exposure Pathways

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and/or indeno(1,2,3-cd)pyrene were present at concentrations above Tier 1 residential ingestion SROs in 28 soil samples at the sampling intervals corresponding foundry sands. No PAH constituents were present at concentrations above soil remediation objectives at depth in any borings containing foundry sands.

No PAHs were present at concentrations above the Tier 1 soil remediation objective for residential property for the inhalation exposure pathway in foundry sand samples.

Soil Component of the Groundwater Migration Exposure Pathways

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and/or indeno(1,2,3-cd)pyrene were present at concentrations above the Tier 1 SROs for the soil component of the groundwater ingestion exposure route for Class I groundwater in 20 soil samples at the sampling intervals corresponding foundry sands.

No PAH constituents were present at concentrations above the Tier 1 SROs for the soil component of the groundwater ingestion exposure route for Class I groundwater at depth in any borings containing foundry sands.

Construction Worker Ingestion and Inhalation Exposure Pathways

As discussed in Subsection 3.2.1 benzo(a)pyrene was present at concentrations above the Tier 1 soil remediation objective for the construction worker ingestion pathway in black foundry sand

samples SRE-SB030-000-1, SRE-SB039-000-1 and SRE-SB047-000-1. No constituents were present at concentrations about the Tier 1 construction worker inhalation exposure pathway.

3.2.2.2 Weathered Material

A total of nine samples of weathered material were collected from soil boring locations SB010, SB011, SB031, SB033, SB109B, SB110C, SB111B, and SB112A. Samples of the weathered material ranged in depth from 6.0 to 12.0 ft. bgs. Analytical results for parameters provided in 35 IAC Part 734 Petroleum Underground Storage Tanks, Appendix A (BTEX and PAHs) are provided on Table 3-4. No constituents were present at concentrations above the Tier 1 SROs for the soil component of the groundwater ingestion exposure route for Class I groundwater pathway or the construction worker ingestion or inhalation pathways for samples containing weathered material.

Residential Ingestion and Inhalation Exposure Pathways

BTEX concentrations were not present at concentrations above the Tier 1 SROs for residential property for the ingestion or inhalation exposure routes for samples containing weathered material.

Dibenzo(a,h)anthracene was present at concentrations above the Tier 1 soil remediation objective for residential property for the ingestion exposure route in soil sample SRE-SB011-010-1. However, the dibenzo(a,h)anthracene at soil sample location SRE-SB011 was below the typical PAH background concentration. No PAH constituents were present at concentrations above Tier 1 SROs at depth in soil borings containing weathered material. PAHs were not present concentrations above the Tier 1 SROs for residential property for the inhalation exposure pathway for samples containing weathered material.

Natural Attenuation Capacity

A total of eight samples were collected for TPH at soil boring locations SB029, SB030 and SB031 adjacent to hotspot SRE-SB011 at the 8.0 to 10.0 and 10.0 to 12.0 ft. bgs sampling intervals. The TPH results at these locations are presented in Table 3-5. Concentrations were not above the natural attenuation capacity of 2,000 mg/kg for subsurface soil. The maximum TPH in

subsurface soil is 1,561 mg/kg; therefore the attenuation capacity of the soil has not been exceeded.

3.2.3 Groundwater Sampling Analytical Results

Analytical results for detected groundwater parameters from the perched and deep water-bearing units are provided in Tables 3-6 and 3-7 respectively. Copies of laboratory analytical results are located in Appendix H. All groundwater sampling analytical results are provided in Tables H-2 and H-3 for the perched and deep water-bearing units respectively.

Perched Water-Bearing Unit – Class II

No constituents were present at concentrations above the Tier 1 Class II groundwater remediation objectives.

Deep Water-Bearing Unit – Class I

TCE, total iron and total manganese were detected above the Tier 1 groundwater remediation objective for Class I groundwater. Elevated concentrations of total iron and total manganese were present in groundwater samples SRE-MW04D-XXX-01-1 and its duplicate, SRE-MW04D-XXX-01-2. However, dissolved iron and dissolved manganese concentrations in both samples were below their respective Tier 1 groundwater remediation objectives; and therefore, are not considered constituents of concern.

Elevated concentrations of TCE were detected in groundwater samples SRE-MW02D-XXX-01-1 and SRE-MW02D-XXX-02-1.

3.2.4 Soil Gas Analytical Results

Analytical results from soil gas samples indicated no constituents were present above the Tier 1 Indoor Inhalation Exposure Route for residential properties provided in 35 IAC, Part 742, Appendix B, Table H.

Analytical results indicated concentrations of VOCs above the Tier 2 Indoor Air Remediation Objectives for residential properties calculated using J&E1 and J&E2 equations provided in 35

IAC, Part 742, Appendix C, Table L. Elevated concentrations of VOCs were present at soil gas sample locations as follows:

- SG001 – chlorobenzene, ethylbenzene, m,p-xylene, naphthalene, vinyl chloride and total xylenes;
- SG003 – ethylbenzene, vinyl chloride;
- SG003RE – vinyl chloride;
- SG004 – ethylbenzene; and
- SG005 – ethylbenzene and naphthalene.

The soil gas sampling analytical results and soil gas remediation objectives are provided in Table 3-8. Copies of laboratory analytical results are located in Appendix H.

3.2.5 Waste Characterization Analytical Results

No constituents were present at concentrations above hazardous waste criteria in six soil samples collected for waste characterization. Based on the analytical results, any soil removed from the facility will be disposed of as non-hazardous waste. Copies of laboratory analytical results are located in Appendix H. The waste characterization sampling analytical results and hazardous waste criteria are provided in Table H-5.

Table 3-1
Detected Soil Analyical Results - Inorganic Parameters
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004	SRE-SB004	SRE-SB005
				FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1	SRE-SB004-014-1	SRE-SB005-000-1
				Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015
				SampleTop	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**									
pH (s.u.)													
Laboratory pH	--- / ---	--- / ---	---	---	7.36	7.95	8.28	8.17	7.8	7.78	7.97	8.32	8.33
Total Metals (mg/kg)													
Antimony, Total	--- / 31	--- / 82	5	4	0.33 J	0.33 J	0.63 J	1.1 U	0.25 J	0.41 J	1.3 U	0.37 J	4.9
Arsenic, Total	750 / 13	25000 / 61	25	13	6.4	5.6	4.8	13	5.6	5.6	8.8	6.1	**32**
Barium, Total	690000 / 5500	870000 / 14000	260	110	97	24	33	42	150	25	190	21	25
Beryllium, Total	1300 / 160	44000 / 410	131	0.59	0.58	0.65	0.46	0.42	0.63	0.56	0.69	0.53	0.27
Cadmium, Total	1800 / 78	59000 / 200	1	0.6	1.7	0.28	0.28	0.11 U	1.2	0.28	0.63	0.28	1.2
Calcium, Total	--- / ---	--- / ---	---	9300	27000	63000	12000	86000	4400	71000	5600	74000	45000
Chromium, Total	270 / 230	690 / 4100	21	16.2	18	19	25	12	18	16	18	15	42
Cobalt, Total	--- / 4700	--- / 12000	---	8.9	5.4	9.6	2.9	14	7.4	11	11	9.7	11
Copper, Total	--- / 2900	--- / 8200	330	19.6	31	22	41	20	29	23	18	23	160
Iron, Total	--- / ---	--- / ---	---	15900	15000	19000	18000	19000	18000	18000	20000	17000	150000
Lead, Total	--- / 400	--- / 700	23	36	44	12	23	12	15	14	17	10	9.3
Magnesium, Total	--- / 325000	--- / 730000	---	4820	16000	37000	4300	43000	3300	37000	3900	35000	27000
Manganese, Total	69000 / 1600	8700 / 4100	---	636	410	340	700	380	500	330	1800	380	900
Nickel, Total	13000 / 1600	440000 / 4100	20	18	13	26	42	28	17	26	32	23	31
Potassium, Total	--- / ---	--- / ---	---	1268	1900	3700	650	1900	890	3200	1400	2900	660
Selenium, Total	--- / 390	--- / 1000	1.3	0.48	0.85	0.33 J	0.75	2.8 U	0.66	0.55 U	1.3	0.53 U	4.1
Silver, Total	--- / 390	--- / 1000	0.24	0.55	0.26 J	0.28 U	0.11 J	0.28 U	0.3 U	0.28 U	0.078 J	0.27 U	0.21 J
Sodium, Total	--- / ---	--- / ---	---	130	130	200	130	150	110	260	180	210	140
Thallium, Total	--- / 6.3	--- / 160	1.6	0.32	0.51 J	0.62	0.52 U	0.56 U	0.59 U	0.30 J	2.3	0.51 J	2.8 U
Vanadium, Total	--- / 550	--- / 1400	980	25.2	25	21	14	14	30	18	29	18	44
Zinc, Total	--- / 23000	--- / 61000	1000	95	72	42	47	63	59	36	64	44	18
Mercury, Total	10 / 23	0.1 / 61	0.01	0.06	0.04	0.021	0.015 J	0.0088 J	0.037	0.027	0.043	0.02	0.02
TCLP Metals (mg/l)													
Arsenic, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	--- / ---	--- / ---	2	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	--- / ---	--- / ---	0.005	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	--- / ---	--- / ---	0.1	---	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U
Selenium, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U
Cyanide (mg/kg)													
Total Cyanide	--- / 4100	0.51	40	--- / 1600	0.24 J	0.57 U	0.54 U	0.51 U	0.63 U	0.56 U	0.66 U	0.55 U	0.31 J

Table 3-1
Detected Soil Analyical Results - Inorganic Parameters
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010
				FieldSampleID	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1
				Sample Date	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015
				SampleTop	14 - 16 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**									
pH (s.u.)													
Laboratory pH	--- / ---	--- / ---	---	---	8.34	8.78	8.69	8.34	8.49	8.29	8.07	7.76	7.98
Total Metals (mg/kg)													
Antimony, Total	--- / 31	--- / 82	5	4	0.35 J	0.26 J	1.1 U	1.0 U	0.26 J	0.39 J	5.6 U	5.4 U	0.30 J
Arsenic, Total	750 / 13	25000 / 61	25	13	5.9	6.7	6.3	1.7	2.9	6	7.5	7.5	3.1
Barium, Total	690000 / 5500	870000 / 14000	260	110	18	38	37	100	130	46	84	38	91
Beryllium, Total	1300 / 160	44000 / 410	131	0.59	0.49	0.42	0.41	0.61	0.78	0.49	0.42 J	0.59 J	0.67
Cadmium, Total	1800 / 78	59000 / 200	1	0.6	0.3	0.29	0.28	0.56	0.2	0.36	1.4	0.54 U	0.22
Calcium, Total	--- / ---	--- / ---	---	9300	86000	110000	97000	8300	4800	76000	41000	63000	6500
Chromium, Total	270 / 230	690 / 4100	21	16.2	14	12	11	14	20	13	19	20	18
Cobalt, Total	--- / 4700	--- / 12000	---	8.9	8.9	6.3	6.2	3.3	6.3	5.6	7.4	13	5.5
Copper, Total	--- / 2900	--- / 8200	330	19.6	18	15	15	26	21	19	23	24	16
Iron, Total	--- / ---	--- / ---	---	15900	17000	15000	14000	10000	15000	21000	16000	20000	16000
Lead, Total	--- / 400	--- / 700	23	36	9.8	8.1	7.2	8.3	11	8.9	30	12	10
Magnesium, Total	--- / 325000	--- / 730000	---	4820	46000	54000	51000	4300	4200	37000	24000	36000	4600
Manganese, Total	69000 / 1600	8700 / 4100	---	636	350	390	350	120	220	300	470	410	240
Nickel, Total	13000 / 1600	440000 / 4100	20	18	21	15	15	15	19	19	20	35	15
Potassium, Total	--- / ---	--- / ---	---	1268	2800	2100	2200	830	850	1900	1200	3000	1000
Selenium, Total	--- / 390	--- / 1000	1.3	0.48	0.46 J	0.57 U	0.54 U	0.71	0.32 J	0.56 U	2.8 U	2.7 U	0.75
Silver, Total	--- / 390	--- / 1000	0.24	0.55	0.27 U	0.28 U	0.27 U	0.41	0.31 U	0.28 U	1.2 J	1.4 U	0.29 U
Sodium, Total	--- / ---	--- / ---	---	130	230	260	220	290	340	250	100 J	190 J	57 U
Thallium, Total	--- / 6.3	--- / 160	1.6	0.32	0.62	0.51 J	0.53 J	0.52 U	0.62 U	0.56 U	2.8 U	2.7 U	0.57 U
Vanadium, Total	--- / 550	--- / 1400	980	25.2	17	17	16	22	30	23	35	20	26
Zinc, Total	--- / 23000	--- / 61000	1000	95	36	32	35	44	47	32	74	53	50
Mercury, Total	10 / 23	0.1 / 61	0.01	0.06	0.017	0.017	0.023	0.028	0.045	0.028	0.047	0.03	0.045
TCLP Metals (mg/l)													
Arsenic, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	--- / ---	--- / ---	2	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	--- / ---	--- / ---	0.005	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	--- / ---	--- / ---	0.1	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)													
Total Cyanide	--- / 4100	0.51	40	--- / 1600	0.55 U	0.58 U	0.57 U	0.52 U	0.59 U	0.58 U	0.57 U	0.54 U	0.22 J

Table 3-1
Detected Soil Analyical Results - Inorganic Parameters
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012	SRE-SB012	SRE-SB012	SRE-SB013
				FieldSampleID	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB012-000-1	SRE-SB012-000-2	SRE-SB012-014-1	SRE-SB013-000-1
				Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015
				SampleTop	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**									
pH (s.u.)													
Laboratory pH	--- / ---	--- / ---	---	---	7.77	8.43	8.68	8.74	8.22	8.69	8.47	8.78	8.53
Total Metals (mg/kg)													
Antimony, Total	--- / 31	--- / 82	5	4	0.32 J	0.30 J	5.1 U	0.35 J	0.35 J	1.0 U	1.1 U	0.47 J	0.34 J
Arsenic, Total	750 / 13	25000 / 61	25	13	8.3	3.6	2.0 J	3.8	7.2	2.8	3.8	8.7	5.7
Barium, Total	690000 / 5500	870000 / 14000	260	110	140	35	12	39	39	14	9.4	28	37
Beryllium, Total	1300 / 160	44000 / 410	131	0.59	0.62	0.44	1.0 U	0.49	0.82	0.2	0.18 J	0.48	0.64
Cadmium, Total	1800 / 78	59000 / 200	1	0.6	0.46	0.31	0.25 J	0.7	0.24	0.21	0.15	0.36	0.26
Calcium, Total	--- / ---	--- / ---	---	9300	5200	82000	140000	74000	44000	81000	99000	80000	52000
Chromium, Total	270 / 230	690 / 4100	21	16.2	19	12	10	17	23	5.7	4.5	13	19
Cobalt, Total	--- / 4700	--- / 12000	---	8.9	17	8.2	66	6.6	12	2.3	2.4	10	7.1
Copper, Total	--- / 2900	--- / 8200	330	19.6	14	23	9.8	20	21	7.8	7.7	21	20
Iron, Total	--- / ---	--- / ---	---	15900	21000	16000	9800	16000	22000	6200	7000	23000	19000
Lead, Total	--- / 400	--- / 700	23	36	11	11	2.7	9.1	12	9.5	9.3	17	11
Magnesium, Total	--- / 325000	--- / 730000	---	4820	4700	45000	83000	41000	29000	38000	57000	43000	32000
Manganese, Total	69000 / 1600	8700 / 4100	---	636	1000	440	260	470	400	200	240	410	270
Nickel, Total	13000 / 1600	440000 / 4100	20	18	34	21	13	18	31	5.6	5.2	23	22
Potassium, Total	--- / ---	--- / ---	---	1268	1400	2200	1100	2400	4400	820	710	2400	3400
Selenium, Total	--- / 390	--- / 1000	1.3	0.48	0.96	0.36 J	1.4 J	0.33 J	0.56 J	0.51 U	0.53 U	0.46 J	0.50 J
Silver, Total	--- / 390	--- / 1000	0.24	0.55	0.069 J	0.28 U	1.3 U	1.3	0.31 U	0.25 U	0.27 U	0.27 U	0.29 U
Sodium, Total	--- / ---	--- / ---	---	130	62	180	1400	430	250	140	160	190	150
Thallium, Total	--- / 6.3	--- / 160	1.6	0.32	1.4	0.69	2.6 U	0.78	0.69	0.50 J	0.53 U	0.30 J	0.30 J
Vanadium, Total	--- / 550	--- / 1400	980	25.2	32	17	7.3	21	22	10	9.5	16	19
Zinc, Total	--- / 23000	--- / 61000	1000	95	50	43	16	37	47	28	22	45	45
Mercury, Total	10 / 23	0.1 / 61	0.01	0.06	0.044	0.041	0.011 J	0.027	0.019 J	0.014 J	0.017 U	0.025	0.022
TCLP Metals (mg/l)													
Arsenic, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	--- / ---	--- / ---	2	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	--- / ---	--- / ---	0.005	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	--- / ---	--- / ---	0.1	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)													
Total Cyanide	--- / 4100	0.51	40	--- / 1600	0.23 J	0.18 J	0.49 U	0.24 J	0.27 J	0.5 U	0.45 U	0.56 U	0.57 U

Table 3-1
Detected Soil Analyical Results - Inorganic Parameters
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017
				FieldSampleID	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1
				Sample Date	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015
				SampleTop	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**										
pH (s.u.)														
Laboratory pH	--- / ---	--- / ---	---	---	7.8	8.75	8.12	7.75	7.45	9.27	8.47	8.48	8.41	8.22
Total Metals (mg/kg)														
Antimony, Total	--- / 31	--- / 82	5	4	0.34 J	0.22 J	0.28 J	1.3 U	0.38 J	0.26 J	0.41 J	0.26 J	0.36 J	1.1 U
Arsenic, Total	750 / 13	25000 / 61	25	13	7	2.7	14	4.2	5.8	6	3.7	3.6	12	6.6
Barium, Total	690000 / 5500	870000 / 14000	260	110	38	38	32	110	110	22	22	29	23	21
Beryllium, Total	1300 / 160	44000 / 410	131	0.59	0.5	0.37	0.51	0.63	0.73	0.55	0.35	0.33	0.51	0.24
Cadmium, Total	1800 / 78	59000 / 200	1	0.6	0.29	0.24	0.2	0.24	0.15	0.3	0.24	0.24	0.32	0.15
Calcium, Total	--- / ---	--- / ---	---	9300	76000	100000	43000	37000	3600	79000	46000	48000	100000	58000
Chromium, Total	270 / 230	690 / 4100	21	16.2	16	11	15	17	18	16	11	10	15	6.5
Cobalt, Total	--- / 4700	--- / 12000	---	8.9	8.7	6.2	11	7.1	5.5	9.5	4.9	3.9	8.6	3.7
Copper, Total	--- / 2900	--- / 8200	330	19.6	19	12	15	14	21	18	13	12	16	11
Iron, Total	--- / ---	--- / ---	---	15900	17000	12000	20000	13000	19000	17000	10000	10000	16000	13000 ^
Lead, Total	--- / 400	--- / 700	23	36	9.6	5.7	9.2	12	9.1	9.7	15	13	9.3	5.3
Magnesium, Total	--- / 325000	--- / 730000	---	4820	39000	48000	25000	25000	3600	39000	25000	25000	57000	30000
Manganese, Total	69000 / 1600	8700 / 4100	---	636	350	460	630	440	350	360	240	230	290	250
Nickel, Total	13000 / 1600	440000 / 4100	20	18	20	17	25	12	18	24	13	11	22	8.7
Potassium, Total	--- / ---	--- / ---	---	1268	2400	1900	2700	1300	870	3600	1700	1400	3100	610
Selenium, Total	--- / 390	--- / 1000	1.3	0.48	0.58 U	0.53 U	0.53 U	0.39 J	0.62	0.53 U	0.54 U	0.55 U	0.57 U	0.53 U
Silver, Total	--- / 390	--- / 1000	0.24	0.55	0.29 U	0.27 U	0.26 U	0.32 U	0.3 U	0.27 U	0.27 U	0.27 U	0.29 U	0.27 U
Sodium, Total	--- / ---	--- / ---	---	130	190	420	350	120	88	260	170	200	200	130
Thallium, Total	--- / 6.3	--- / 160	1.6	0.32	0.58	0.53 U	0.49 J	0.65 U	0.61 U	0.53 U	0.54 U	0.55 U	0.57 U	0.29 J
Vanadium, Total	--- / 550	--- / 1400	980	25.2	18	13	15	27	33	16	13	13	16	12
Zinc, Total	--- / 23000	--- / 61000	1000	95	44	25	33	43	44	33	30	32	32	18
Mercury, Total	10 / 23	0.1 / 61	0.01	0.06	0.029	0.016 J	0.016 J	0.068	0.041	0.012 J	0.027	0.019	0.022	0.015 J
TCLP Metals (mg/l)														
Arsenic, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	--- / ---	--- / ---	2	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	--- / ---	--- / ---	0.005	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	--- / ---	--- / ---	0.1	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)														
Total Cyanide	--- / 4100	0.51	40	--- / 1600	0.58 U	0.57 U	0.56 U	0.41 J	0.59 U	0.55 U	0.53 U	0.54 U	0.57 U	0.53 U

Table 3-1
Detected Soil Analyical Results - Inorganic Parameters
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB017	SRE-SB018	SRE-SB018	SRE-SB019	SRE-SB019	SM-BLKSND	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1
				FieldSampleID	SRE-SB017-014-1	SRE-SB018-000-1	SRE-SB018-014-1	SRE-SB019-000-1	SRE-SB019-014-1	SM-BLKSND-1	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1
				Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	4/22/2015	5/15/2015	5/11/2015	5/11/2015
				SampleTop	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**									
pH (s.u.)													
Laboratory pH	--- / ---	--- / ---	---	---	8.74	9.53	8.99	9.24	8.54	8.25	8.86	7.47	8.55
Total Metals (mg/kg)													
Antimony, Total	--- / 31	--- / 82	5	4	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	0.58 J	0.87 J	1.3 U	0.31 J
Arsenic, Total	750 / 13	25000 / 61	25	13	6.4	3.3	1.7	5.9	1.3	2.2	2.7	3.3	3
Barium, Total	690000 / 5500	870000 / 14000	260	110	18	18	25	64	19	25	23	120	15
Beryllium, Total	1300 / 160	44000 / 410	131	0.59	0.54	0.20 J	0.42	0.46	0.47	0.14 J	0.18 J	0.62	0.16 J
Cadmium, Total	1800 / 78	59000 / 200	1	0.6	0.15	0.11	0.2	0.14	0.12	0.23	0.22	0.15	0.14
Calcium, Total	--- / ---	--- / ---	---	9300	73000	77000	130000	32000	60000	6600	3800	4500	72000
Chromium, Total	270 / 230	690 / 4100	21	16.2	14	5.6	11	12	11	11	9.1	16	4.8
Cobalt, Total	--- / 4700	--- / 12000	---	8.9	12	2.8	8	6.6	7.7	12	1.5	8.2	3
Copper, Total	--- / 2900	--- / 8200	330	19.6	19	8	12	12	13	21 J	13	15	7
Iron, Total	--- / ---	--- / ---	---	15900	14000	6300	14000	12000	11000	13000 J	10000	13000	6400
Lead, Total	--- / 400	--- / 700	23	36	13	4.3	6.9	9.7	11	26	13	15	4.9
Magnesium, Total	--- / 325000	--- / 730000	---	4820	31000	33000	33000	18000	28000	6600	1600	3000	33000
Manganese, Total	69000 / 1600	8700 / 4100	---	636	310	220	300	410	260	260 J	170	370	210
Nickel, Total	13000 / 1600	440000 / 4100	20	18	30	7.3	20	16	20	51 J	26	16	7.2
Potassium, Total	--- / ---	--- / ---	---	1268	2200	450	1600	850	1700	380 J	350	1200	580
Selenium, Total	--- / 390	--- / 1000	1.3	0.48	0.56 U	0.54 U	0.56 U	0.42 J	0.43 J	0.57 U	0.61	0.72	0.5 U
Silver, Total	--- / 390	--- / 1000	0.24	0.55	0.28 U	0.27 U	0.28 U	0.32 U	0.27 U	0.28 U	0.29 U	0.33 U	0.25 U
Sodium, Total	--- / ---	--- / ---	---	130	150	120	140	85	110	120	86	100	110
Thallium, Total	--- / 6.3	--- / 160	1.6	0.32	0.53 J	0.54 U	0.56 U	0.63 U	0.26 J	0.59	0.57 U	0.67 U	0.5 U
Vanadium, Total	--- / 550	--- / 1400	980	25.2	16	10	13	24	12	5.6	4.5	26	9.5
Zinc, Total	--- / 23000	--- / 61000	1000	95	46	25	33	42	35	28	32	61	38
Mercury, Total	10 / 23	0.1 / 61	0.01	0.06	0.014 J	0.017 J	0.013 J	0.016 J	0.026	0.053	0.028	0.037	0.016 U
TCLP Metals (mg/l)													
Arsenic, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U
Barium, TCLP	--- / ---	--- / ---	2	---	NA	NA	NA	NA	NA	0.17 J	0.11 J	0.48 J	0.22 J
Cadmium, TCLP	--- / ---	--- / ---	0.005	---	NA	NA	NA	NA	NA	0.0032 J	0.005 U	0.005 U	0.005 U
Chromium, TCLP	--- / ---	--- / ---	0.1	---	NA	NA	NA	NA	NA	0.025 U	0.025 U	0.025 U	0.025 U
Selenium, TCLP	--- / ---	--- / ---	0.05	---	NA	NA	NA	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U
Cyanide (mg/kg)													
Total Cyanide	--- / 4100	0.51	40	--- / 1600	0.5 U	0.51 U	0.56 U	0.53 U	0.55 U	NA	NA	NA	NA

Notes:
1. Samples collected from borings SRE-SB020 through SRE-SB112A were not analyzed for inorganic parameters. With the exception of TCLP chromium and TCLP selenium, only parameters with at least one detection are presented above.
2. In accordance with 35 IAC Part 742, the most conservative soil remediation objective for the ingestion, inhalation, and the soil component of the groundwater ingestion routes were used to evaluate compliance with the soil remediation objectives.
Please note that action levels presented in this table for inorganic analytes were not adjusted for pH; however, the adjustment was made manually and indicated by a shaded box (see below) where the soil remediation objective was exceeded.
3. A shaded box indicates concentration above soil remediation objective/reporting limit. Please note that the action level for inorganic analytes were not adjusted for pH during this evaluation.
4. BOLD type indicates concentration above more than one soil remediation objective/reporting limit. Shading indicates the most stringent soil remediation objective/reporting limit.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:
- Residential Ingestion
- Residential Inhalation
- Migration to Class I Groundwater
- Construction Worker Ingestion
- Construction Worker Inhalation
- Background MSA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004
					FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1
					Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015
					SampleTop	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	8.9 U	4.9 U	46	5.3 U	NA	18 U	4.7 U	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	55 U	5.3 U	NA	97	4.7 U	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	8.9 U	4.9 U	110	5.3 U	NA	18 U	4.7 U	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	130	5.3 U	NA	150 U	4.7 U	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	210	5.3 U	NA	73 U	4.7 U	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	8.9 U	4.9 U	170	5.3 U	NA	18 U	4.7 U	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	3100	5.3 U	NA	36 U	4.7 U	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	14 U	5.3 U	NA	18 U	4.7 U	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	18 U	9.7 U	170	11 U	NA	36 U	9.5 U	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	44 U	37 U	70	39 U	NA	42 U	38 U	NA
Acenaphthylene	--- / ---	--- / ---	---	70	---	44 U	37 U	29 J	39 U	NA	42 U	38 U	NA
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	10 J	37 U	110	39 U	NA	42 U	38 U	NA
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	110	37 U	1600	39 U	NA	42 U	38 U	NA
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	110	37 U	2500	39 U	NA	42 U	38 U	NA
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	190	37 U	4000	39 U	NA	42 U	38 U	NA
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	100	17 J	2700	39 U	NA	42 U	38 U	NA
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	77	37 U	1300	39 U	NA	42 U	38 U	NA
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	140	21 J	2400	39 U	NA	26 J	38 U	NA
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	44 U	37 U	1200	39 U	NA	42 U	38 U	NA
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	240	37 U	2100	39 U	NA	11 J	38 U	NA
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	44 U	37 U	35 J	39 U	NA	42 U	38 U	NA
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	85	37 U	2200	39 U	NA	42 U	38 U	NA
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	44 U	37 U	170	39 U	NA	42 U	38 U	NA
Phenanthrene	--- / ---	--- / ---	---	2500	---	110	37 U	690	39 U	NA	42 U	26 J	NA
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	190	8.5 J	1600	8.7 J	NA	12 J	38 U	NA
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	25	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	130	39 U	NA	120	38 U	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	180 UJ	190 U	NA	210 U	190 UJ	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	180 U	190 U	NA	210 U	190 U	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	180 U	190 U	NA	210 U	190 U	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004
					FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1
					Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015
					SampleTop	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	19 U	19 U	NA	21 U	18 U	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	19 U	19 U	NA	21 U	18 U	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	72	87	89	85	NA	78	87	75
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	7.36	7.95	8.28	8.17	NA	7.8	7.78	7.97
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
					FieldSampleID	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
					SampleTop	14 - 16 ft	0 - 0 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	7.6	7.4	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	8.4 U	9.9 U	NA	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Acenaphthylene	--- / ---	--- / ---	---	70	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Phenanthrene	--- / ---	--- / ---	---	2500	---	NA	NA	NA	NA	37 U	37 U	NA	NA
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	NA	NA	NA	NA	37 U	37 U	NA	NA
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	37 U	37 U	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	190 U	190 U	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	370 U	370 U	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	190 U	190 U	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	190 U	190 U	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
					FieldSampleID	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
					SampleTop	14 - 16 ft	0 - 0 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	19 U	18 U	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	1.7	1
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	22	14
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	2.9	1.8
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	89	NA	85	90	86	86	78	86
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	8.32	NA	8.33	8.34	8.78	8.69	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	1.9	2

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010
					FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1
					Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015
					SampleTop	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	NA	NA	NA	5.9 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	NA	NA	NA	5.9 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	NA	NA	NA	5.9 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	NA	NA	NA	12 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	NA	NA	35 U	41 U	39 U	NA	NA	41 U
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	35 U	41 U	39 U	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	420	210 U	200 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	400	410 U	390 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	180 U	210 U	200 U	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	180 U	210 U	200 U	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010
					FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1
					Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015
					SampleTop	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	2700	18 U	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	830	18 U	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	78	88	90	78	85	84	87	79
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	8.34	8.49	8.29	8.07	7.76	7.98
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012	SRE-SB012
					FieldSampleID	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1	SRE-SB012-000-2
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015	1/8/2015
					SampleTop	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	5.6 U	150 U	100 U	NA	6.2 U	5.8 U
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	370 U	250 U	NA	6.2 U	5.8 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	8.2	370 U	250 U	NA	8.2	7.7
Benzene	800 / 12000	2200 / 2300000	30	---	---	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U	5.8 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	5.6 U	73 U	51 U	NA	6.2 U	5.8 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	5.6 U	73 U	51 U	NA	6.2 U	5.8 U
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	150 U	100 U	NA	6.2 U	5.8 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U	5.8 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	120 J	100 U	NA	6.2 U	5.8 U
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	150 U	100 U	NA	6.2 U	5.8 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	370 U	250 U	NA	6.2 U	5.8 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	5.6 U	110 J	100 U	NA	6.2 U	5.8 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	5.6 U	370 U	250 U	NA	6.2 U	5.8 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	5.6 U	73 U	51 U	NA	6.2 U	5.8 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U	5.8 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	5.6 U	73 U	51 U	NA	6.2 U	5.8 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	5.6 U	160	25 U	NA	6.2 U	5.8 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	5.6 U	18 U	13 U	NA	6.2 U	5.8 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	37 U	10 U	11 U	37 U	25 U	NA	12 U	12 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	1100	39 U	35 U	1700	39 J	NA	35 U	35 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	200	39 U	35 U	220 J	40 U	NA	35 U	35 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	200 U	39 U	35 U	1200	23 J	NA	35 U	35 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	490	39 U	800	1100	36 J	NA	7.2 J	13 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	300	39 U	1000	1400	29 J	NA	35 U	11 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	140 J	39 U	2200	2000	52	NA	8.6 J	15 J
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	150 J	13 J	2100	1100	47	NA	35 U	35 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	200 U	39 U	35 U	490	13 J	NA	35 U	35 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	870	39 U	1200	2100	80	NA	35 U	12 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	200 U	39 U	620	260 J	40 U	NA	35 U	35 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	340	39 U	560	570	18 J	NA	8.9 J	19 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	1100	39 U	35 U	1900	28 J	NA	35 U	35 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	200 U	39 U	1600	870	22 J	NA	35 U	35 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	420	39 U	35 U	1500	19 J	NA	35 U	35 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	4000	39 U	77	8300	220	NA	35 U	35 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	3400	39 U	690	7500	140	NA	35 U	11 J
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	10 U	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	35 U	17000	230	NA	35 U	35 U
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	180 U	2100 U	200 U	NA	180 U	180 U
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	350 U	4200 U	400 U	NA	350 U	350 U
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	180 U	2100 U	200 U	NA	180 U	180 U
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	180 U	2100 U	200 U	NA	180 U	180 U

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012	SRE-SB012
					FieldSampleID	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1	SRE-SB012-000-2
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015	1/8/2015
					SampleTop	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	1500	42	21 U	NA	18 U	17 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	86 U	21 U	21 U	NA	18 U	17 U
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	18 U	21 U	10 U	NA	1.8 U	1.7 U
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	18 U	21 U	10 U	NA	0.68 J	1.7 U
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	18 U	21 U	10 U	NA	1.3 J	1.7 U
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	32	21 U	10 U	NA	1.8 U	1.7 U
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	79	84	94	78	80	NA	94	93
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	7.77	8.43	8.68	8.74	8.22	NA	8.69	8.47
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015
					FieldSampleID	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015
					SampleTop	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	7.6	NA	NA	11	5.4	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	5.0 U	NA	NA	4.5 U	4.0 J	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	5.0 U	NA	NA	4.5 U	13	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	9.9 U	11 U	9.2 U	9.1 U	9.9 U	NA	NA	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	35 U	37	39 U	37 U	37 U	42 U	43 U	36 U
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	35 U	33 J	39 U	37 U	37 U	42 U	43 U	36 U
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	35 U	54	39 U	37 U	37 U	42 U	43 U	36 U
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	11 J	30 J	39 U	37 U	37 U	42 U	43 U	18 J
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	35 U	18 J	39 U	37 U	37 U	42 U	43 U	36 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	35 U	47	39 U	37 U	10 J	42 U	43 U	22 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	35 U	81	39 U	37 U	37 U	42 U	43 U	36 U
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	35 U	23 J	39 U	37 U	37 U	42 U	43 U	36 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	35 U	46	21 J	37 U	8.4 J	42 U	43 U	41
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	35 U	59	13 J	37 U	37 U	42 U	43 U	36 U
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	35 U	NA	NA	37 U	37 U	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	180 U	NA	NA	190 U	190 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	350 U	NA	NA	370 U	370 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	180 U	NA	NA	190 U	190 U	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	180 U	NA	NA	190 U	190 U	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015
					FieldSampleID	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1
					Sample Date	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015
					SampleTop	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	18 U	NA	NA	19 U	19 U	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	18 U	NA	NA	19 U	19 U	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	89	84	85	88	88	76	76	88
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	8.78	8.53	7.8	8.75	8.12	7.75	7.45	9.27
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018	SRE-SB018	SRE-SB019
					FieldSampleID	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1	SRE-SB018-014-1	SRE-SB019-000-1
					Sample Date	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015
					SampleTop	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
2-Hexanone	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	6.8 U	5.8 U	4.9	11	6.9 U	7.2 U	5.4 U	6.5 U
Benzene	800 / 12000	2200 / 2300000	30	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Cyclohexane	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	8.5
Isopropylbenzene	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Methyl acetate	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	6.8 U	5.8 U	4.7 U	6.8	6.9 U	7.2 U	5.4 U	6.5 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U	5.4 U	6.5 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	14 U	12 U	9.5 U	11 U	14 U	14 U	11 U	33
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	35 U	35 U	38 U	35 U	36 U	38 U	36 U	42 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	35 U	35 U	38 U	35 U	36 U	38 U	36 U	42 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	6.3 J	35 U	38 U	35 U	36 U	38 U	36 U	42 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	490	370	38 U	9.6 J	36 U	38 U	36 U	42 U
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	610	510	38 U	14 J	36 U	38 U	36 U	42 U
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	1600	1300	13 J	28 J	36 U	38 U	17 J	42 U
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	1300	930	26 J	19 J	31 J	38 U	24 J	42 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	640	570	38 U	35 U	36 U	38 U	36 U	42 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	1100	890	22 J	15 J	24 J	38 U	11 J	42 U
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	330	260	38 U	35 U	36 U	38 U	36 U	42 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	390	310	38 U	35 U	36 U	38 U	36 U	42 U
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	35 U	35 U	38 U	35 U	36 U	38 U	36 U	42 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	870	690	14 J	15 J	36 U	38 U	10 J	42 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	11 J	9.2 J	38 U	35 U	180	38 U	36 U	42 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	66	54	38 U	35 U	64	38 U	36 U	42 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	360	270	13 J	35 U	13 J	38 U	8.2 J	42 U
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	9.6 J	35 U	38 U	35 U	340	38 U	36 U	42 U
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	180 U	180 U	190 U	180 U	180 U	190 U	180 U	210 U
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	350 U	350 U	380 U	350 U	360 U	380 U	360 U	420 U
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	300	200	190 U	180 U	180 U	190 U	180 U	210 U
Carbazole	--- / 32000	--- / 6200000	600	---	---	180 U	180 U	190 U	180 U	180 U	190 U	180 U	210 U

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018	SRE-SB018	SRE-SB019
					FieldSampleID	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1	SRE-SB018-014-1	SRE-SB019-000-1
					Sample Date	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015
					SampleTop	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	18 U	18 U	19 U	17 U	18 U	19 U	19 U	21 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	24	29	19 U	17 U	18 U	19 U	19 U	19 J
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U	9.5 U	2.2 U
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U	9.5 U	2.2 U
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U	9.5 U	2.2 U
Dieldrin	1000 / 40	3100 / 7800	4	---	---	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U	9.5 U	2.2 U
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	92	90	87	93	88	85	88	77
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	8.47	8.48	8.41	8.22	8.74	9.53	8.99	9.24
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021
					FieldSampleID	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1
					Sample Date	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015
					SampleTop	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U
2-Hexanone	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	6.9	5.1 U	5.4 U	23	11	300 U	4.7	20
Benzene	800 / 12000	2200 / 2300000	30	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U
Cyclohexane	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U
Methyl acetate	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	4.7 J	5.3 U	300 U	4.1 U	4.5 J
Methylcyclohexane	--- / ---	--- / ---	---	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	760	4.1 U	7.6 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	35	4.1 U	7.6 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	4.3 U	15	4.6 J	5.8 U	5.3 U	**8800**	15	7.6 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	3.5 J	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	8.7 U	10 U	11 U	12 U	11 U	65	8.3 U	15 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	36 U	100	35 U	41 U	42 U	36 U	36 U	38 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	36 U	35 U	35 U	41 U	42 U	36 U	36 U	38 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	36 U	110	7.6 J	41 U	42 U	14 J	36 U	38 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	36 U	**2400**	26 J	41 U	42 U	340	22 J	11 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	36 U	4500	35 U	41 U	42 U	730	30 J	12 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	11 J	**6700**	28 J	41 U	42 U	1900	55	25 J
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	26 J	4600	35 U	41 U	42 U	630	55	38 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	36 U	2200	12 J	41 U	42 U	500	23 J	22 J
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	19 J	3700	26 J	41 U	42 U	670	32 J	15 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	36 U	1800	35 U	41 U	42 U	180	36 U	38 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	36 U	2500	54	41 U	42 U	330	26 J	18 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	36 U	42	35 U	41 U	42 U	6.4 J	36 U	38 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	36 U	3400	35 U	41 U	42 U	460	32 J	38 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	36 U	240	35 U	41 U	42 U	31 J	36 U	38 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	23 J	810	34 J	41 U	42 U	120	12 J	9.4 J
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	9.3 J	1900	55	41 U	42 U	360	25 J	19 J
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	10 J	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	180 U	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	360 U	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	180 U	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	180 U	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021
					FieldSampleID	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1
					Sample Date	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015
					SampleTop	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	19 U	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	19 U	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	9.6 U	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	9.6 U	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	9.6 U	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	9.6 U	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	86	94	90	78	77	91	91	83
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	8.54	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB023	SRE-SB024	SRE-SB025
					FieldSampleID	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1
					Sample Date	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/10/2015	3/10/2015	3/10/2015
					SampleTop	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	12	5.9 U	18	27	19	NA	12	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	4.7 U	5.9 U	3.4 J	5.6	4.0 J	NA	5.9 U	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	4.7 UJ	4.4 J	4.6 U	5.5 U	5.5 U	NA	7	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U	NA	5.9 U	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	9.4 UJ	12 U	9.1 U	11 U	11 U	NA	12 U	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	NA	9.9 J	37 U	42 U	43 UJ	23 J	38 U	22 J
Acenaphthylene	--- / ---	--- / ---	---	70	---	NA	5.3 J	37 U	42 U	43 UJ	34 U	38 U	9.1 J
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	NA	27 J	37 U	42 U	43 UJ	20 J	38 U	24 J
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	NA	800	180	9.2 J	10 J	400	63	820
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	NA	1700	130	13 J	12 J	730	130	1400
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	NA	2700	600	37 J	23 J	1100	200	4200
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	NA	2100	190	25 J	22 J	920	220	2100
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	NA	2100	140	32 J	43 UJ	340	53	780
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	NA	1600	340	13 J	43 UJ	620	110	1800
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	NA	880	37 U	42 U	43 UJ	190	42	610
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	NA	1000	120	8.8 J	43 UJ	420	65	830
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	NA	9.3 J	37 U	42 U	43 UJ	9.5 J	38 U	13 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	NA	2100	140	16 J	14 J	630	150	1700
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	NA	84	9.7 J	42 U	43 UJ	50	38 U	120
Phenanthrene	--- / ---	--- / ---	---	2500	---	NA	230	35 J	42 U	43 UJ	130	22 J	280
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	NA	880	120	8.6 J	43 UJ	540	74	920
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB023	SRE-SB024	SRE-SB025
					FieldSampleID	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1
					Sample Date	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/10/2015	3/10/2015	3/10/2015
					SampleTop	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	79	90	87	78	77	94	87	92
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027
					FieldSampleID	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1
					Sample Date	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	20 J	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	--- / ---	--- / ---	---	70	---	16 J	NA	NA	NA	NA	NA	NA	NA
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	10 J	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	81	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	89	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	260	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	120	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	74	NA	NA	NA	NA	NA	NA	NA
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	200	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	26 J	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	180	NA	NA	NA	NA	NA	NA	NA
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	17 J	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	60	NA	NA	NA	NA	NA	NA	NA
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	130	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--- / ---	--- / ---	---	2500	---	98	NA	NA	NA	NA	NA	NA	NA
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	170	NA	NA	NA	NA	NA	NA	NA
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027
					FieldSampleID	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1
					Sample Date	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	30	18 U	22 U	22 U	330	17 U	360 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	76	93	94	75	71	91	95	93
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029
					FieldSampleID	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	280 U
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	3.0 J	5.0 U	700 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	NA	28	14	700 U
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	35 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	140 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	140 U
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	280 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	35 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	200 J
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	280 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	4.4 J	5.0 U	700 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	280 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	700 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	140 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	NA	5.4 UJ	5.0 U	35 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	140 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	NA	5.4 U	4.8 J	70 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	NA	5.4 U	5.0 U	35 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	NA	2.8 J	10 U	70 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	NA	NA	NA	NA	NA	34 U	840 J	460
Acenaphthylene	--- / ---	--- / ---	---	70	---	NA	NA	NA	NA	NA	34 U	1900 U	190 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	NA	NA	NA	NA	NA	34 U	600 J	250
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	NA	NA	NA	NA	NA	34 U	**7800**	330
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	NA	NA	NA	NA	NA	34 U	**12000**	300
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	NA	NA	NA	NA	NA	34 U	**22000**	350
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	NA	NA	NA	NA	NA	34 U	16000	250
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	NA	NA	NA	NA	NA	34 U	7800	230
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	NA	NA	NA	NA	NA	34 U	13000	450
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	NA	NA	NA	NA	NA	34 U	**4500**	190 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	NA	NA	NA	NA	NA	34 U	5700	210
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	NA	NA	NA	NA	NA	34 U	820 J	530
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	NA	NA	NA	NA	NA	34 U	12000	170 J
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	NA	NA	NA	NA	NA	34 U	960 J	670
Phenanthrene	--- / ---	--- / ---	---	2500	---	NA	NA	NA	NA	NA	12 J	2600	1400
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	NA	NA	NA	NA	NA	29 J	8000	1100
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029
					FieldSampleID	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	440 U	18 U	17 U	19 U	23 U	870	1500	20 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	440 U	18 U	17 U	19 U	23 U	810	1200	20 U
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	380
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	40
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	300
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	74	93	94	88	71	96	84	85
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031
					FieldSampleID	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U
2-Hexanone	--- / ---	--- / ---	---	---	---	4.6 U	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	6.1 J	7.5	360 U	580 U	340 U	16	10	28
Benzene	800 / 12000	2200 / 2300000	30	---	---	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	66 J	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U
Cyclohexane	--- / ---	--- / ---	---	---	---	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U
Methyl acetate	--- / ---	--- / ---	---	---	---	4.6 U	5.6 U	120 J	230 U	140 U	4.7 U	5.6 U	5.1 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	4.6 U	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	7.1
Methylcyclohexane	--- / ---	--- / ---	---	---	---	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	4.6 UJ	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	4.6 UJ	7	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	6.7 J	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	8.5 J	6.9	36 U	58 U	34 U	4.7 U	5.6 U	5.1 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	84 J	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	9.3 UJ	11 U	36 U	58 U	34 U	9.4 U	11 U	10 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	180	340 U	43 U	420	510	41	35 U	200 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	180 U	340 U	43 U	77 J	99 J	8.0 J	35 U	200 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	99 J	340 U	8.8 J	300	160 J	11 J	35 U	200 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	170 J	**23000**	500	140 J	54 J	24 J	170	74 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	190	***62000***	720	300	260	82	230	120 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	240	**110000**	1400	140 J	140 J	28 J	870	210
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	180 U	17000	49	200 U	190 U	39 U	430	620
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	180	**51000**	950	120 J	190 U	26 J	350	82 J
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	250	40000	850	410	350	81	350	140 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	180 U	**9900**	130	200 U	190 U	39 U	140	65 J
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	110 J	3400	470	120 J	79 J	14 J	140	59 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	220	340 U	43 U	460	410	34 J	35 U	200 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	180 U	**24000**	390	200 U	190 U	39 U	390	260
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	200	340 U	25 J	200 U	190 U	39 U	35 U	41 J
Phenanthrene	--- / ---	--- / ---	---	2500	---	600	320 J	70	1300	940	82	24 J	200 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	570	6100	460	900	720	150	110	78 J
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031
					FieldSampleID	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	19 U	18 U	22 U	21 U	20 U	19 U	860 J	21 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	19 U	18 U	22 U	21 U	20 U	19 U	1300 J	21 U
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	110 J	NA	NA	870 J	700 J	140	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	2.7	NA	NA	17 J	8.3 J	1.4	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	110	NA	NA	680 J	570 J	150	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	87	91	74	80	81	85	92	78
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032
					FieldSampleID	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	8 - 10 ft	10 - 12 ft	10 - 12 ft	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	110 U	270 U	270 U	NA	NA	NA	180 U	170 U
2-Hexanone	--- / ---	--- / ---	---	---	---	280 U	680 U	670 U	NA	NA	NA	450 U	420 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	280 U	680 U	670 U	NA	NA	NA	450 U	420 U
Benzene	800 / 12000	2200 / 2300000	30	---	---	14 U	34 U	34 U	NA	NA	NA	23 U	21 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	55 U	140 U	130 U	NA	NA	NA	90 U	84 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	55 U	140 U	130 U	NA	NA	NA	90 U	84 U
Cyclohexane	--- / ---	--- / ---	---	---	---	110 U	270 U	270 U	NA	NA	NA	180 U	170 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	14 U	34 U	28 J	NA	NA	NA	23 U	21 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	110 U	270 U	93 J	NA	NA	NA	180 U	170 U
Methyl acetate	--- / ---	--- / ---	---	---	---	110 U	270 U	270 U	NA	NA	NA	180 U	150 J
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	280 U	680 U	670 U	NA	NA	NA	450 U	420 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	110 U	270 U	270 U	NA	NA	NA	180 U	170 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	280 U	680 U	670 U	NA	NA	NA	450 U	420 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	55 U	140 U	130 U	NA	NA	NA	90 U	84 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	14 U	34 U	34 U	NA	NA	NA	23 U	21 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	55 U	140 U	130 U	NA	NA	NA	90 U	84 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	28 U	260 J	150 J	NA	NA	NA	45 U	42 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	14 U	34 U	34 U	NA	NA	NA	23 U	21 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	28 U	47 J	210	NA	NA	NA	45 U	42 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	64	170 J	170 J	NA	NA	42 U	230 U	120
Acenaphthylene	--- / ---	--- / ---	---	70	---	38 U	180 U	43 J	NA	NA	42 U	230 U	32 J
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	61	150 J	140 J	NA	NA	42 U	2000	46
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	40	170 J	210	NA	NA	42 U	1100	20 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	28 J	120 J	180 J	NA	NA	42 U	710	14 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	29 J	170 J	270	NA	NA	27 J	1700	17 J
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	24 J	140 J	280	NA	NA	30 J	750	45 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	16 J	180 U	140 J	NA	NA	42 U	450	45 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	60	260	310	NA	NA	24 J	2600	38 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	38 U	180 U	68 J	NA	NA	42 U	200 J	45 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	26 J	100 J	130 J	NA	NA	42 U	230 U	27 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	62	230	190	NA	NA	42 U	2300	150
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	12 J	79 J	160 J	NA	NA	16 J	460	45 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	38 U	140 J	160 J	NA	NA	42 U	2300	640
Phenanthrene	--- / ---	--- / ---	---	2500	---	220	540	720	NA	NA	8.2 J	10000	410
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	180	590	570	NA	NA	29 J	7300	140
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032
					FieldSampleID	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	8 - 10 ft	10 - 12 ft	10 - 12 ft	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	19 U	19 U	390 U	17 U	17 U	21 U	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	19 U	19 U	390 U	17 U	17 U	21 U	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	190	460	500 J	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	2.3	30	35	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	190	530	580 J	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	83	84	84	95	94	77	68	72
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034
					FieldSampleID	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	48	52	310 U	7.2	NA	NA	340 U
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	7.3 U	7.1 U	61 U	11	NA	NA	67 U
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	13	12	310 U	5.5 U	NA	NA	340 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	7.3 U	7.1 U	31 U	5.5 U	NA	NA	34 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	7.3 U	7.1 U	15 U	4.4 J	NA	NA	17 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	15 U	14 U	31 U	11 U	NA	NA	20 J
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	35 U	41 U	40 U	1100	13 J	NA	NA	NA
Acenaphthylene	--- / ---	--- / ---	---	70	---	35 U	41 U	40 U	260	37 U	NA	NA	NA
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	21 J	9.9 J	13 J	940	37 U	NA	NA	NA
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	1200	370	520	680	53	NA	NA	NA
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	1700	450	630	520	56	NA	NA	NA
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	**5600**	1300	1800	510	140	NA	NA	NA
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	2500 J	770 J	1300 J	400	88	NA	NA	NA
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	1500 J	440	510	210	48	NA	NA	NA
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	2500	640	940	1100	110	NA	NA	NA
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	850	210 J	360 J	210 U	23 J	NA	NA	NA
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	1100 J	310	420	450	38	NA	NA	NA
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	8.4 J	7.6 J	16 J	1100	11 J	NA	NA	NA
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	2200 J	570 J	980 J	230	59	NA	NA	NA
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	25 J	22 J	26 J	210 U	37 U	NA	NA	NA
Phenanthrene	--- / ---	--- / ---	---	2500	---	190	77	110	4700	55	NA	NA	NA
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	1200	390	480	5700	130	NA	NA	NA
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034
					FieldSampleID	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	160	22 U	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	190	22 U	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	90	78	80	79	88	95	74	82
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB034	SRE-SB035	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040
					FieldSampleID	SRE-SB034-010-1	SRE-SB035-000-1	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1
					Sample Date	3/9/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015
					SampleTop	10 - 12 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	39 J	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
2-Hexanone	--- / ---	--- / ---	---	---	---	240 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	240 U	5.4	16	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Benzene	800 / 12000	2200 / 2300000	30	---	---	12 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	48 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	48 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Cyclohexane	--- / ---	--- / ---	---	---	---	96 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	12 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	18 J	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Methyl acetate	--- / ---	--- / ---	---	---	---	96 U	5.1 U	5.8 U	4.2 U	6.2 U	6.9 U	4.2 U	4.9 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	240 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	96 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	240 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	48 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	3.3 J	4.9 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	12 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	48 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	24 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	1.6 J	6.9
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	12 U	5.1 U	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	24	10 U	12 U	8.3 U	12 UJ	14 U	8.5 U	9.9 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	NA	20 J	21 J	7.1 J	35 U	36 U	350 U	180 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	NA	35 U	35 U	6.6 J	35 U	36 U	350 U	180 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	NA	14 J	26 J	13 J	35 U	11 J	210 J	180 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	NA	470	640	340	140	470	**14000**	**2800**
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	NA	980	1100	520	260	1000	***23000***	4100
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	NA	2200	3000	1500	580	2500	**43000**	**14000**
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	NA	1300	1900	850	350 J	1800	26000	6000
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	NA	1000 J	1900 J	400	200	640	30000	7400
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	NA	1000	1300	740	250	1100	24000	6300
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	NA	410	370	220	52	320	**8200**	2000
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	NA	490	720	330	120	450	11000	2200
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	NA	11 J	9.7 J	33 U	35 U	36 U	350 U	180 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	NA	1000	1400	600	210	1200	**20000**	5000
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	NA	60	75	35	16 J	19 J	150 J	32 J
Phenanthrene	--- / ---	--- / ---	---	2500	---	NA	160	220	110	42	94	1100	290
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	NA	550	680	300	150	460	11000	2100
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB034	SRE-SB035	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040
					FieldSampleID	SRE-SB034-010-1	SRE-SB035-000-1	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1
					Sample Date	3/9/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015
					SampleTop	10 - 12 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	86	93	93	95	92	92	91	89
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048
					FieldSampleID	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1
					Sample Date	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	9.3 U	8.3 U	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	170 U	170 U	57 J	39 U	33 U	180 U	170 U	170 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	170 U	170 U	280	39 U	33 U	180 U	170 U	170 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	52 J	85 J	140 J	39 U	33 U	32 J	170 U	130 J
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	**2600**	**2900**	1800	27 J	33 U	**2100**	**12000**	**8100**
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	4200	4300	3500	39 U	33 U	3100	***31000***	**10000**
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	**12000**	**11000**	**5600**	100	33 U	**7800**	**82000**	**54000**
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	7500	6200	2600 J	39 J	33 UJ	4300 J	7200 J	11000 J
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	4400	4600	2600	39 U	33 U	2800	25000	11000
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	5000	5600	2700	41	33 U	3900	50000	30000
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	**2400**	1900	590	39 U	33 U	1300	**2700**	**3200**
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	2000	2700	2400	62	33 U	1900	2600	6500
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	170 U	170 U	86 J	39 U	33 U	180 U	170 U	42 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	6200	5200	2100	39 U	33 U	3700	6300	9900
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	59 J	38 J	99 J	39 U	33 U	180 U	170 U	76 J
Phenanthrene	--- / ---	--- / ---	---	2500	---	400	410	830	19 J	33 U	210	130 J	1000
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	1900	2600	4700	79	33 U	1900	5600	13000
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048
					FieldSampleID	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1
					Sample Date	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	92	93	92	80	94	91	94	94
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB049	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056
					FieldSampleID	SRE-SB049-000-1	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1
					Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	33 U	33 U	34 U	21 J	16 J	35 U	39 U	34 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	33 U	33 U	34 U	13 J	6.4 J	35 U	39 U	34 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	33 U	33 U	11 J	49	51	35 U	39 U	34 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	11 J	9.8 J	700	1700	1700	150	16 J	34 U
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	33 U	11 J	390	2100	2200	210	29 J	34 U
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	27 J	27 J	4100	**6300**	**6300**	450	64	34 U
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	33 UJ	32 J	330 J	4100	4100	260	47	34 UJ
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	33 U	33 U	1200	2200	2300	160	24 J	34 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	20 J	9.4 J	3700	4000	3900	260	32 J	34 U
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	33 U	33 U	150	890	920	77	14 J	34 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	33 U	11 J	900	1400	1400	120	23 J	34 U
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	33 U	33 U	5.1 J	17 J	15 J	35 U	39 U	34 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	33 U	33 U	280	2300	2400	240	36 J	34 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	33 U	33 U	34 U	51	68	35 U	39 U	34 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	13 J	33 U	130	330	360	28 J	7.7 J	34 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	17 J	10 J	910	1300	1200	110	22 J	34 U
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB049	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056
					FieldSampleID	SRE-SB049-000-1	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1
					Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	95	95	94	94	94	92	84	94
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
					FieldSampleID	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
					Sample Date	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
					SampleTop	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
VOCs (ug/kg)													
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	800 / 12000	2200 / 2300000	30	---	---	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	NA	NA	NA	NA	NA	8.7 U	11 U	9.8 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	20 J	33 U	16 J	14 J	1000 J	520 J	250 J	320
Acenaphthylene	--- / ---	--- / ---	---	70	---	41 U	33 U	37 U	40 U	37 U	190 J	210 U	200 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	130	33 U	29 J	44	1600 J	490 J	210 U	200 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	940	18 J	1500	1600	**7800**	210	240 J	290
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	780	20 J	3300	3100	**10000**	130 J	230 J	280
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	1200	45 J	**10000**	**6900**	**22000**	200 U	260 J	410
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	420	33 U	1500 J	3200 J	3800 J	200 UJ	98 J	120 J
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	540	19 J	2800	2100	8200	200 U	210 U	110 J
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	970	31 J	3500	2800	9700	320	380 J	480
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	130	33 U	530	1100	1100 J	200 U	210 U	40 J
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	1400	34 J	1100	1500	13000	160 J	180 J	200
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	24 J	33 U	9.0 J	11 J	910 J	750 J	280 J	200 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	400	9.7 J	1600	3200	5200	200 U	210 U	110 J
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	41 U	82 J	55	30 J	620 J	66 J	210 U	200 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	300	64 J	240	310	12000	3200 J	210 U	200 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	1200	40 J	1500	2100	20000	1400 J	1400 J	1300
TCLP PAHs (ug/l)													
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
SVOCs (ug/kg)													
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
					FieldSampleID	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
					Sample Date	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
					SampleTop	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PCBs (ug/kg)													
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg)													
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)													
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Percent Solids (%)	--- / ---	--- / ---	---	---	---	80	94	87	82	86	79	79	78
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
					FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
					Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
					SampleTop	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**						
VOCs (ug/kg)											
1,2-Dichlorobenzene	560000 / 7000000	310000 / 18000000	17000	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
2-Hexanone	--- / ---	--- / ---	---	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Acetone	100000000 / 70000000	100000000 / ---	25000	---	---	NA	6.6	NA	14	5.1 U	21
Benzene	800 / 12000	2200 / 2300000	30	---	---	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
Chlorobenzene	130000 / 1600000	1300 / 4100000	1000	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
cis-1,2-Dichloroethene	1200000 / 780000	1200000 / 20000000	400	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Cyclohexane	--- / ---	--- / ---	---	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	---	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
Isopropylbenzene	--- / ---	--- / ---	---	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methyl acetate	--- / ---	--- / ---	---	---	---	NA	26 U	NA	29 U	26 U	24 U
Methyl Ethyl Ketone	--- / ---	--- / ---	---	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methylcyclohexane	--- / ---	--- / ---	---	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methylene chloride	13000 / 85000	34000 / 12000000	20	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Tetrachloroethene	11000 / 12000	28000 / 2400000	60	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	---	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
trans-1,2-Dichloroethylene	3100000 / 1600000	3100000 / 41000000	700	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Trichloroethene	5000 / 58000	12000 / 1200000	60	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Vinyl Chloride	280 / 460	1100 / 170000	10	---	---	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	---	12 U	10 U	NA	11 U	10 U	9.8 U
PAHs (ug/kg)											
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	200	150 J	150 J	43 U	85 J	34 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	190 U	180 U	180 U	43 U	190 U	34 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	190 U	510	480	43 U	510	34 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	180 J	**9100**	**7400**	43 U	**11000**	84
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	110 J	**8300**	**12000**	43 U	**12000**	110
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	62 J	**14000**	**22000**	11 J	**38000**	260
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	190 U	9000	12000	43 U	21000	140
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	190 U	6100	8400	43 U	4400	87
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	270	14000	9200	43 U	20000	110
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	190 U	**2700**	**4400**	43 U	**5800**	49
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	110 J	12000	7100	43 U	10000	67
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	140 J	140 J	140 J	43 U	56 J	34 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	190 U	8100	10000	43 U	**19000**	140
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	190 U	110 J	170 J	43 U	140 J	34 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	190 U	3100	2400	43 U	3100	24 J
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	980	7900	5600	43 U	12000	69
TCLP PAHs (ug/l)											
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
2-Methylnaphthalene	--- / ---	--- / ---	---	140	---	NA	43 J	NA	43 U	71 J	34 U
3,4-Methylphenol	--- / ---	--- / ---	---	---	---	NA	930 U	NA	220 U	970 U	170 U
4,6-Dinitro-2-methylphenol	--- / ---	--- / ---	---	---	---	NA	1800 R	NA	430 U	1900 U	340 U
bis(2-Ethylhexyl)phthalate	31000000 / 46000	31000000 / 4100000	3600000	---	---	NA	930 U	NA	220 U	970 U	76 J
Carbazole	--- / 32000	--- / 6200000	600	---	---	NA	930 U	NA	220 U	970 U	170 U

Table 3-2
Detected Soil Analyical Results - Organic Parameters
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
					FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
					Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
					SampleTop	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**						
PCBs (ug/kg)											
Aroclor 1254	--- / 1000	--- / ---	---	---	---	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1260	--- / 1000	--- / ---	---	---	---	NA	18 U	NA	22 U	19 U	23
Pesticides (ug/kg)											
4,4'-DDD	--- / 3000	--- / 520000	16000	---	---	NA	19 U	NA	3	19 U	18 U
4,4'-DDE	--- / 2000	--- / 370000	54000	---	---	NA	6.4 J	NA	43	19 U	18 U
4,4'-DDT	--- / 2000	2100000 / 100000	32000	---	---	NA	19 U	NA	2.2 U	19 U	18 U
Dieldrin	1000 / 40	3100 / 7800	4	---	---	NA	19 U	NA	2.2 U	19 U	18 U
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
Fraction Organic Content (%)											
FOC by Nelson and Sommers (0.58 factor)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
Moisture Content	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg(C)	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA
Other											
Percent Solids (%)	--- / ---	--- / ---	---	---	---	80	88	91	74	85	92
Laboratory pH (s.u)	--- / ---	--- / ---	---	---	---	NA	8.25	7.98	7.47	8.86	8.55
Flashpoint (Deg F)	--- / ---	--- / ---	---	---	---	NA	176 >	NA	176 >	176 >	176 >
Paint Filter (mL/100g)	--- / ---	--- / ---	---	---	---	NA	PASS	NA	PASS	PASS	PASS
Specific Gravity	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA

Notes:
1. Only parameters with at least one detection are presented above.
2. In accordance with 35 IAC Part 742, the most conservative soil remediation objective for the ingestion, inhalation, and the soil component of the groundwater ingestion routes were used to evaluate compliance with the soil remediation objectives.
The Tier 1 soil remediation objectives were considered to be met if the analyte was below the typical Metropolitain Statistica Area (MSA) background concentration.
3. A shaded box indicates concentration above soil remediation objective/reporting limit.
4. **BOLD** type indicates concentration above more than one soil remediation objective/reporting limit. Shading indicates the most stringent soil remediation objective/reporting limit.
5. ***BOLD ITALIC*** type indicates concentration above more than two soil remediation objective/reporting limits. Shading indicates the most stringent soil remediation objective/reporting limit.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:

	Residential Ingestion
	Residential Inhalation
	Migration to Class I Groundwater
	Construction Worker Ingestion
	Construction Worker Inhalation
	Background MSA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB002	SRE-SB002	SRE-SB011	SRE-SB011	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021
					FieldSampleID	SRE-SB002-000-1	SRE-SB002-001-1	SRE-SB011-000-1	SRE-SB011-003-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB021-000-1	SRE-SB021-002-1
					Sample Date	1/9/2015	7/21/2015	1/8/2015	7/21/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015
					SampleTop	0 - 2 ft	1 - 3 ft	0 - 2 ft	3 - 4 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	2 - 4 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**								
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	70	NA	35 U	NA	100	35 U	36 U	36 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	29 J	NA	35 U	NA	35 U	35 U	36 U	36 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	110	NA	35 U	NA	110	7.6 J	14 J	36 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	1600	NA	800	NA	**2400**	26 J	340	22 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	2500	NA	1000	NA	4500	35 U	730	30 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	4000	NA	2200	NA	**6700**	28 J	1900	55
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	2700	NA	2100	NA	4600	35 U	630	55
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	1300	NA	35 U	NA	2200	12 J	500	23 J
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	2400	NA	1200	NA	3700	26 J	670	32 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	1200	NA	620	NA	1800	35 U	180	36 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	2100	NA	560	NA	2500	54	330	26 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	35 J	NA	35 U	NA	42	35 U	6.4 J	36 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	2200	NA	1600	NA	3400	35 U	460	32 J
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	170	NA	35 U	NA	240	35 U	31 J	36 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	690	NA	77	NA	810	34 J	120	12 J
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	1600	NA	690	NA	1900	55	360	25 J
TCLP PAHs (ug/l)													
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	10 U	NA	10 U	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	10 U	NA	10 U	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	10 U	NA	10 U	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	2.0 U	NA	2.0 U	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	2.0 U	NA	2.0 U	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	2.0 U	NA	2.0 U	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	10 U	NA	10 U	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	2.0 U	NA	2.0 U	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	5.0 U	NA	5.0 U	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	3.0 U	NA	3.0 U	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	10 U	NA	10 U	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	10 U	NA	10 U	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	2.0 U	NA	2.0 U	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	25	NA	10 U	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	10 U	NA	10 U	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	10 U	NA	10 U	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB022	SRE-SB022	SRE-SB023	SRE-SB024	SRE-SB025	SRE-SB025	SRE-SB029
					FieldSampleID	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1	SRE-SB025-002-1	SRE-SB029-000-1
					Sample Date	3/9/2015	3/9/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015
					SampleTop	0 - 2 ft	2 - 4 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	9.9 J	37 U	23 J	38 U	22 J	20 J	34 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	5.3 J	37 U	34 U	38 U	9.1 J	16 J	34 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	27 J	37 U	20 J	38 U	24 J	10 J	34 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	800	180	400	63	820	81	34 U
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	1700	130	730	130	1400	89	34 U
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	2700	600	1100	200	4200	260	34 U
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	2100	190	920	220	2100	120	34 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	2100	140	340	53	780	74	34 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	1600	340	620	110	1800	200	34 U
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	880	37 U	190	42	610	26 J	34 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	1000	120	420	65	830	180	34 U
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	9.3 J	37 U	9.5 J	38 U	13 J	17 J	34 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	2100	140	630	150	1700	60	34 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	84	9.7 J	50	38 U	120	130	34 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	230	35 J	130	22 J	280	98	12 J
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	880	120	540	74	920	170	29 J
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	NA	NA	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB029	SRE-SB030	SRE-SB031	SRE-SB033	SRE-SB035	SRE-SB035	SRE-SB036
					FieldSampleID	SRE-SB029-004-1	SRE-SB030-000-1	SRE-SB031-000-1	SRE-SB033-000-1	SRE-SB035-000-1	SRE-SB035-000-2	SRE-SB036-000-1
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	4/10/2015	4/10/2015	4/10/2015
					SampleTop	4 - 6 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	840 J	340 U	35 U	35 U	20 J	21 J	7.1 J
Acenaphthylene	--- / ---	--- / ---	---	70	---	1900 U	340 U	35 U	35 U	35 U	35 U	6.6 J
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	600 J	340 U	35 U	21 J	14 J	26 J	13 J
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	**7800**	**23000**	170	1200	470	640	340
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	**12000**	***62000***	230	1700	980	1100	520
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	**22000**	**110000**	870	**5600**	2200	3000	1500
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	16000	17000	430	2500 J	1300	1900	850
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	7800	**51000**	350	1500 J	1000 J	1900 J	400
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	13000	40000	350	2500	1000	1300	740
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	**4500**	**9900**	140	850	410	370	220
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	5700	3400	140	1100 J	490	720	330
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	820 J	340 U	35 U	8.4 J	11 J	9.7 J	33 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	12000	**24000**	390	2200 J	1000	1400	600
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	960 J	340 U	35 U	25 J	60	75	35
Phenanthrene	--- / ---	--- / ---	---	2500	---	2600	320 J	24 J	190	160	220	110
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	8000	6100	110	1200	550	680	300
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	NA	NA	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040	SRE-SB041	SRE-SB042	SRE-SB043
					FieldSampleID	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1
					Sample Date	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	35 U	36 U	350 U	180 U	170 U	170 U	57 J
Acenaphthylene	--- / ---	--- / ---	---	70	---	35 U	36 U	350 U	180 U	170 U	170 U	280
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	35 U	11 J	210 J	180 U	52 J	85 J	140 J
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	140	470	**14000**	**2800**	**2600**	**2900**	1800
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	260	1000	***23000***	4100	4200	4300	3500
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	580	2500	**43000**	**14000**	**12000**	**11000**	**5600**
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	350 J	1800	26000	6000	7500	6200	2600 J
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	200	640	30000	7400	4400	4600	2600
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	250	1100	24000	6300	5000	5600	2700
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	52	320	**8200**	2000	**2400**	1900	590
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	120	450	11000	2200	2000	2700	2400
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	35 U	36 U	350 U	180 U	170 U	170 U	86 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	210	1200	**20000**	5000	6200	5200	2100
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	16 J	19 J	150 J	32 J	59 J	38 J	99 J
Phenanthrene	--- / ---	--- / ---	---	2500	---	42	94	1100	290	400	410	830
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	150	460	11000	2100	1900	2600	4700
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	NA	NA	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048	SRE-SB049	SRE-SB050
					FieldSampleID	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1	SRE-SB049-000-1	SRE-SB050-000-1
					Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	39 U	33 U	180 U	170 U	170 U	33 U	33 U
Acenaphthylene	--- / ---	--- / ---	---	70	---	39 U	33 U	180 U	170 U	170 U	33 U	33 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	39 U	33 U	32 J	170 U	130 J	33 U	33 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	27 J	33 U	**2100**	**12000**	**8100**	11 J	9.8 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	39 U	33 U	3100	***31000***	**10000**	33 U	11 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	100	33 U	**7800**	**82000**	**54000**	27 J	27 J
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	39 J	33 UJ	4300 J	7200 J	11000 J	33 UJ	32 J
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	39 U	33 U	2800	25000	11000	33 U	33 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	41	33 U	3900	50000	30000	20 J	9.4 J
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	39 U	33 U	1300	**2700**	**3200**	33 U	33 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	62	33 U	1900	2600	6500	33 U	11 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	39 U	33 U	180 U	170 U	42 J	33 U	33 U
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	39 U	33 U	3700	6300	9900	33 U	33 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	39 U	33 U	180 U	170 U	76 J	33 U	33 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	19 J	33 U	210	130 J	1000	13 J	33 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	79	33 U	1900	5600	13000	17 J	10 J
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	NA	NA	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056	SRE-SB057
					FieldSampleID	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1	SRE-SB057-000-1
					Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	5/13/2015
					SampleTop	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	34 U	21 J	16 J	35 U	39 U	34 U	20 J
Acenaphthylene	--- / ---	--- / ---	---	70	---	34 U	13 J	6.4 J	35 U	39 U	34 U	41 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	11 J	49	51	35 U	39 U	34 U	130
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	700	1700	1700	150	16 J	34 U	940
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	390	2100	2200	210	29 J	34 U	780
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	4100	**6300**	**6300**	450	64	34 U	1200
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	330 J	4100	4100	260	47	34 UJ	420
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	1200	2200	2300	160	24 J	34 U	540
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	3700	4000	3900	260	32 J	34 U	970
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	150	890	920	77	14 J	34 U	130
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	900	1400	1400	120	23 J	34 U	1400
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	5.1 J	17 J	15 J	35 U	39 U	34 U	24 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	280	2300	2400	240	36 J	34 U	400
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	34 U	51	68	35 U	39 U	34 U	41 U
Phenanthrene	--- / ---	--- / ---	---	2500	---	130	330	360	28 J	7.7 J	34 U	300
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	910	1300	1200	110	22 J	34 U	1200
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	NA	NA	NA	NA	NA	NA	NA

Table 3-3
Soil Analytical Results
PAHs in Foundry Sand Samples
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSAND-TP10/11
					FieldSampleID	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSAND-TP10/11
					Sample Date	9/23/2015	9/23/2015	9/23/2015	9/23/2015	4/22/2015	5/11/2015	5/15/2015
					SampleTop	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	0 - 0 ft	0 - 0 f	0 - 0 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Class II Groundwater**							
PAHs (ug/kg)												
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	---	33 U	16 J	14 J	1000 J	150 J	150 J	85 J
Acenaphthylene	--- / ---	--- / ---	---	70	---	33 U	37 U	40 U	37 U	180 U	180 U	190 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	---	33 U	29 J	44	1600 J	510	480	510
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	---	18 J	1500	1600	**7800**	**9100**	**7400**	**11000**
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	---	20 J	3300	3100	**10000**	**8300**	**12000**	**12000**
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	---	45 J	**10000**	**6900**	**22000**	**14000**	**22000**	**38000**
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	---	33 U	1500 J	3200 J	3800 J	9000	12000	21000
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	---	19 J	2800	2100	8200	6100	8400	4400
Chrysene	--- / 88000	--- / 17000000	160000	2700	---	31 J	3500	2800	9700	14000	9200	20000
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	---	33 U	530	1100	1100 J	**2700**	**4400**	**5800**
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	---	34 J	1100	1500	13000	12000	7100	10000
Fluorene	--- / 3100000	--- / 82000000	560000	180	---	33 U	9.0 J	11 J	910 J	140 J	140 J	56 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	---	9.7 J	1600	3200	5200	8100	10000	**19000**
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	---	82 J	55	30 J	620 J	110 J	170 J	140 J
Phenanthrene	--- / ---	--- / ---	---	2500	---	64 J	240	310	12000	3100	2400	3100
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	---	40 J	1500	2100	20000	7900	5600	12000
TCLP PAHs (ug/l)												
Acenaphthene, TCLP	--- / ---	--- / ---	---	---	2100	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Acenaphthylene, TCLP	--- / ---	--- / ---	---	---	---	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Anthracene, TCLP	--- / ---	--- / ---	---	---	10500	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Benzo(a)anthracene, TCLP	--- / ---	--- / ---	---	---	0.65	0.15 U	0.14 U	0.15 U	0.14 U	NA	NA	NA
Benzo(a)pyrene, TCLP	--- / ---	--- / ---	---	---	2	0.23 U	0.22 U	0.23 U	0.21 U	NA	NA	NA
Benzo(b)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.9	0.2 U	0.19 U	0.21 U	0.19 U	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	--- / ---	--- / ---	---	---	---	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Benzo(k)fluoranthene, TCLP	--- / ---	--- / ---	---	---	0.85	0.19 U	0.18 U	0.2 U	0.18 U	NA	NA	NA
Chrysene, TCLP	--- / ---	--- / ---	---	---	7.5	0.57 U	0.54 U	0.58 U	0.52 U	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	--- / ---	--- / ---	---	---	1.5	0.34 U	0.32 U	0.35 U	0.31 U	NA	NA	NA
Fluoranthene, TCLP	--- / ---	--- / ---	---	---	1400	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Fluorene, TCLP	--- / ---	--- / ---	---	---	1400	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	--- / ---	--- / ---	---	---	2.15	0.23 U	0.22 U	0.23 U	0.21 U	NA	NA	NA
Naphthalene, SVOC, TCLP	--- / ---	--- / ---	---	---	220	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Phenanthrene, TCLP	--- / ---	--- / ---	---	---	---	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Pyrene, TCLP	--- / ---	--- / ---	---	---	1050	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA

Notes:
1. PAH and TCLP PAH results are presented for samples collected of the black foundry sand during the 2015 investigation. Detected parameter results for all soil samples are presented in Tables 4-1 and 4-2. Refer to table F-1 for all soil analyitical results.
2. In accordance with 35 IAC Part 742, the most conservative soil remediation objective for the ingestion, inhalation, and the soil component of the groundwater ingestion routes were used to evaluate compliance with the soil remediation objectives.
The Tier 1 soil remediation objectives were considered to be met if the analyte was below the typical Metropolitain Statistica Area (MSA) background concentration.
3. A shaded box indicates concentration above soil remediation objective/reporting limit.
4. **BOLD** type indicates concentration above more than one soil remediation objective/reporting limit. Shading indicates the most stringent soil remediation objective/reporting limit.
5. ***BOLD ITALIC*** type indicates concentration above more than two soil remediation objective/reporting limits. Shading indicates the most stringent soil remediation objective/reporting limit.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:

	Residential Ingestion
	Residential Inhalation
	Migration to Class I Groundwater
	Construction Worker Ingestion
	Construction Worker Inhalation
	Background MSA
	Class II Groundwater

Table 3-4
Soil Analytical Results
BTEX and PAHs in Weathered Material Samples
Former Siemens Facility
Batavia, IL

				Station Name	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB031	SRE-SB033	SRE-SB109B	SRE-SB110C	SRE-SB111B	SRE-SB112A
				FieldSampleID	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-010-1	SRE-SB031-008-1	SRE-SB033-008-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1	SRE-SB112A-007-1
				Sample Date	1/8/2015	1/8/2015	1/8/2015	3/9/2015	3/9/2015	10/6/2015	10/6/2015	10/6/2015	10/6/2015
				SampleTop	6 - 8 ft	8 - 10 ft	10 - 12 ft	8 - 10 ft	8 - 10 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft	7 - 8 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**									
BETX (ug/kg)													
Benzene	800 / 12000	2200 / 2300000	30	---	18 U	5.2 U	18 U	14 U	15 U	4.3 U	5.3 U	4.9 U	6.0 U
Ethylbenzene	400000 / 7800000	58000 / 20000000	13000	---	18 U	5.2 U	18 U	14 U	15 U	4.3 U	5.3 U	4.9 U	6.0 U
Toluene	650000 / 16000000	42000 / 410000000	12000	---	18 U	5.2 U	18 U	14 U	15 U	4.3 U	5.3 U	4.9 U	6.0 U
Xylenes, Total	320000 / 16000000	5600 / 41000000	150000	---	37 U	10 U	37 U	28 U	31 U	8.7 U	11 U	9.8 U	12 U
PAHs (ug/kg)													
Acenaphthene	--- / 4700000	--- / 120000000	570000	130	1100	39 U	1700	64	1100	520 J	250 J	320	200
Acenaphthylene	--- / ---	--- / ---	---	70	200	39 U	220 J	38 U	260	190 J	210 U	200 U	190 U
Anthracene	--- / 23000000	--- / 610000000	12000000	400	200 U	39 U	1200	61	940	490 J	210 U	200 U	190 U
Benzo(a)anthracene	--- / 900	--- / 170000	2000	1800	490	39 U	1100	40	680	210	240 J	290	180 J
Benzo(a)pyrene	--- / 90	--- / 17000	8000	2100	300	39 U	1400	28 J	520	130 J	230 J	280	110 J
Benzo(b)fluoranthene	--- / 900	--- / 170000	5000	2100	140 J	39 U	2000	29 J	510	200 U	260 J	410	62 J
Benzo(g,h,i)perylene	--- / ---	--- / ---	---	1700	150 J	13 J	1100	24 J	400	200 UJ	98 J	120 J	190 U
Benzo(k)fluoranthene	--- / 9000	--- / 1700000	49000	1700	200 U	39 U	490	16 J	210	200 U	210 U	110 J	190 U
Chrysene	--- / 88000	--- / 17000000	160000	2700	870	39 U	2100	60	1100	320	380 J	480	270
Dibenz(a,h)anthracene	--- / 90	--- / 17000	2000	420	200 U	39 U	260 J	38 U	210 U	200 U	210 U	40 J	190 U
Fluoranthene	--- / 3100000	--- / 82000000	4300000	4100	340	39 U	570	26 J	450	160 J	180 J	200	110 J
Fluorene	--- / 3100000	--- / 82000000	560000	180	1100	39 U	1900	62	1100	750 J	280 J	200 U	140 J
Indeno(1,2,3-cd)pyrene	--- / 900	--- / 170000	14000	1600	200 U	39 U	870	12 J	230	200 U	210 U	110 J	190 U
Naphthalene	170000 / 1600000	--- / 25000000	12000	200	420	39 U	1500	38 U	210 U	66 J	210 U	200 U	190 U
Phenanthrene	--- / ---	--- / ---	---	2500	4000	39 U	8300	220	4700	3200 J	210 U	200 U	190 U
Pyrene	--- / 2300000	--- / 61000000	4200000	3000	3400	39 U	7500	180	5700	1400 J	1400 J	1300	980

Notes:
1. As provided in 35 IAC Part 734 Petroleum Underground Storage Tanks, Appendix A, only BTEX and PAH parameters for weathered material samples presented.
2. In accordance with 35 IAC Part 742, the most conservative soil remediation objective for the ingestion, inhalation, and the soil component of the groundwater ingestion routes were used to evaluate compliance with the soil remediation objectives.
The Tier 1 soil remediation objectives were considered to be met if the analyte was below the typical Metropolitain Statistica Area (MSA) background concentration.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable

Analyte concentration exceeds the standard for:

	Residential Ingestion
	Residential Inhalation
	Migration to Class I Groundwater
	Construction Worker Ingestion
	Construction Worker Inhalation
	Background MSA

Table 3-5
Total Petroleum Hydrocarbon Analytical Results
Former Siemens Facility
Batavia, IL

					Station Name	SRE-SB029	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031	SRE-SB031
					FieldSampleID	SRE-SB029-008-1	SRE-SB029-010-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2
					Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
					SampleTop	8 - 10 ft	10 - 12 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	8 - 10 ft	10 - 12 ft	10 - 12 ft
Parameter	**Residential (Inhalation / Ingestion)**	**Construction Worker (Inhalation / Ingestion)**	**Migration to Groundwater Class I**	**Background MSA**	**Natural Attenuation (Subsurface)**								
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics (C10-C20)	--- / ---	--- / ---	---	---	---	380	110 J	870 J	700 J	140	190	460	500 J
Gasoline Range Organics (C6-C9)	--- / ---	--- / ---	---	---	---	40	2.7	17 J	8.3 J	1.4	2.3	30	35
Motor Oil Range Organics (C20-C34)	--- / ---	--- / ---	---	---	---	300	110	680 J	570 J	150	190	530	580 J
Sum of Organics (mg/kg)	---	---	---	---	2000	720	222.7	1567	1278.3	291.4	382.3	1020	1115

Notes:
1. Only parameters with at least one detection are presented above.
2. In accordance with 35 IAC Part 742, the most conservative soil remediation objective for the ingestion, inhalation, and the soil component of the groundwater ingestion routes were used to evaluate compliance with the soil remediation objectives.
The Tier 1 soil remediation objectives were considered to be met if the analyte was below the typical Metropolitain Statistica Area (MSA) background concentration.
3. A shaded box indicates concentration above soil remediation objective/reporting limit.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:

	Residential Ingestion
	Residential Inhalation
	Migration to Class I Groundwater
	Construction Worker Ingestion
	Construction Worker Inhalation
	Background MSA

Table 3-6
Detected Perched Groundwater Analytical Results
Former Siemens Faciltiy
Batavia, IL

	Field Sample ID	SRE-MW02-XXX-01-1	SRE-MW02-XXX-01-2	SRE-MW03-XXX-01-1
	Sample Date	7/24/2015	7/24/2015	7/23/2015
	Location ID	SRE-MW02	SRE-MW02	SRE-MW03
	Screen Depth (ft bgs)	2.5 - 17.5	2.5 - 17.5	2.5 - 12.5
Parameter	**Class II Groundwater**			
Total Metals (mg/l)				
Aluminum, Total	---	0.1 U	0.1 U	1.1
Arsenic, Total	0.2	0.022	0.022	0.00066 J
Barium, Total	2	0.12	0.12	0.11
Calcium, Total	---	71	71	84
Chromium, Total	1	0.005 U	0.005 U	0.0011 J
Cobalt, Total	1	0.0022	0.0021	0.00042 J
Copper, Total	0.65	0.002 U	0.002 U	0.0021
Iron, Total	5	2	2	1.2
Lead, Total	0.1	0.00018 J	0.00016 J	0.00058
Magnesium, Total	---	43	44	32
Manganese, Total	10	0.89	0.87	0.017
Nickel, Total	2	0.029	0.029	0.0016 J
Potassium, Total	---	1.7	1.7	1.7
Sodium, Total	---	170	160	15
Zinc, Total	10	0.0069 J	0.0073 J	0.01 J
Dissolved Metals (mg/l)				
Arsenic, Dissolved	0.2	0.022	0.022	0.001 U
Barium, Dissolved	2	0.12	0.12	0.1
Beryllium, Dissolved	0.5	0.00024 J	0.001 U	0.001 U
Calcium, Dissolved	---	71	72	81
Cobalt, Dissolved	1	0.0021	0.0022	0.001 U
Copper, Dissolved	0.65	0.002 UJ	0.0045 J	0.00098 J
Iron, Dissolved	5	1.7	1.7	0.1 U
Lead, Dissolved	0.1	0.00015 J	0.0002 J	0.0005 U
Magnesium, Dissolved	---	44	45	30
Manganese, Dissolved	10	0.89	0.91	0.0041
Nickel, Dissolved	2	0.029	0.03	0.0006 J
Potassium, Dissolved	---	1.7	1.7	1.2
Sodium, Dissolved	---	160	160	15
Zinc, Dissolved	10	0.0069 J	0.008 J	0.033
VOCs (ug/l)				
cis-1,2-Dichloroethene	200	2.7	2.8	1 U
Trichloroethene	25	0.78	0.78	0.5 U
Vinyl Chloride	10	0.82	0.98	0.5 U
SVOCs (mg/l)				
2-Methylnaphthalene	---	0.0086	0.0086	0.00037 U
Naphthalene	0.22	0.0037	0.0037	0.00074 U
Phenanthrene	---	0.0024	0.00075 U	0.00074 U

Notes:
(1) Screening criteria standards from Title 35 of the Illinois Administrative Code (IAC), Section 742 – Tiered Approach to Corrective Action Objectives (TACO),
Appendix B, Table E, Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route for Class II Groundwater.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable

Table 3-7
Detected Deep Groundwater Analytical Results
Former Siemens Faciltiy
Batavia, IL

	Field Sample ID	SRE-MW01D-XXX-01-1	SRE-MW02D-XXX-01-1	SRE-MW02D-XXX-02-1	SRE-MW03D-XXX-01-1	SRE-MW03D-XXX-01-4	SRE-MW04D-XXX-01-1	SRE-MW04D-XXX-01-2
	Sample Date	10/1/2015	10/1/2015	11/13/2015	10/1/2015	10/1/2015	10/1/2015	10/1/2015
	Location ID	SRE-MW01D	SRE-MW02D	SRE-MW02D	SRE-MW03D	SRE-MW03D	SRE-MW04D	SRE-MW04D
	Screen Depth (ft bgs)	27.5 - 37.5	27 - 37	27 - 37	29 - 39	29 - 39	29.5 - 39.5	29.5 - 39.5
Parameter	**Class I Groundwater**							
Total Metals (mg/l)								
Aluminum, Total	---	0.3	0.1 U	NA	0.27	0.3	5.1	5.4
Arsenic, Total	0.05	0.001 U	0.001 U	NA	0.00073 J	0.00078 J	0.0049	0.005
Barium, Total	2	0.051	0.067	NA	0.039	0.039	0.12	0.12
Beryllium, Total	0.004	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.00033 J	0.0003 J
Calcium, Total	---	120	110	NA	82	81	250	250
Chromium, Total	0.1	0.00066 J	0.005 U	NA	0.005 U	0.005 U	0.012	0.012
Cobalt, Total	1	0.00048 J	0.00031 J	NA	0.0004 J	0.00042 J	0.0045	0.0047
Copper, Total	0.65	0.001 J	0.0012 J	NA	0.002 UJ	0.002 UJ	0.011	0.012
Iron, Total	5	0.45	0.08 J	NA	0.84	0.93	9.7	9.7
Lead, Total	0.0075	0.00017 J	0.0005 U	NA	0.00025 J	0.00024 J	0.0056	0.0055
Magnesium, Total	---	69	55	NA	41	41	120	120
Manganese, Total	0.15	0.058	0.036	NA	0.073	0.072	0.55	0.57
Nickel, Total	0.1	0.0077	0.0016 J	NA	0.0013 J	0.0013 J	0.01	0.011
Potassium, Total	---	3.7	2.4	NA	1.5	1.5	5.1	5.3
Sodium, Total	---	28 ^	66 ^	NA	19 ^	19 ^	37	36
Vanadium, Total	0.049	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.012	0.013
Zinc, Total	5	0.0077 J	0.02 U	NA	0.02 U	0.02 U	0.029	0.029
Dissolved Metals (mg/l)								
Arsenic, Dissolved	0.05	0.001 U	0.001 U	NA	0.00051 J	0.00049 J	0.0018	0.0018
Barium, Dissolved	2	0.052	0.066	NA	0.039	0.037	0.095	0.095
Calcium, Dissolved	---	110	100	NA	76	74	120	120
Cobalt, Dissolved	1	0.0003 J	0.00027 J	NA	0.00028 J	0.00027 J	0.0012	0.0011
Copper, Dissolved	0.65	0.0013 J	0.0015 J	NA	0.002 UJ	0.002 UJ	0.002 U	0.002 U
Iron, Dissolved	5	0.1 U	0.1 U	NA	0.15	0.14	0.47	0.47
Magnesium, Dissolved	---	62	53	NA	38	37	65	65
Manganese, Dissolved	0.15	0.028	0.03	NA	0.059	0.058	0.14	0.14
Nickel, Dissolved	0.1	0.0077	0.0015 J	NA	0.0009 J	0.00081 J	0.0018 J	0.0017 J
Potassium, Dissolved	---	3	2.3	NA	1.5	1.4	3.1	3.1
Sodium, Dissolved	---	29	65	NA	19	19	42	42
Zinc, Dissolved	5	0.019 J	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.025
VOCs (ug/l)								
cis-1,2-Dichloroethene	70	1 U	1.2	NA	1 U	1 U	1 U	1 U
Trichloroethene	5	2.3	27	30	0.5 U	0.5 U	1.3	1.3
SVOCs (ug/l)								
Di-N-Butyl phthalate	0.7	0.0038 U	0.0039 U	NA	0.00082 J	0.00075 J	0.0038 U	0.0042 U

Notes:
(1) Screening criteria standards from Title 35 of the Illinois Administrative Code (IAC), Section 742 – Tiered Approach to Corrective Action Objectives (TACO), Appendix B, Table E, Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route for Class I Groundwater.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:
Class I Groundwater

Table 3-8
Soil Gas Analytical Results
Former Siemens Faciltiy
Batavia, IL

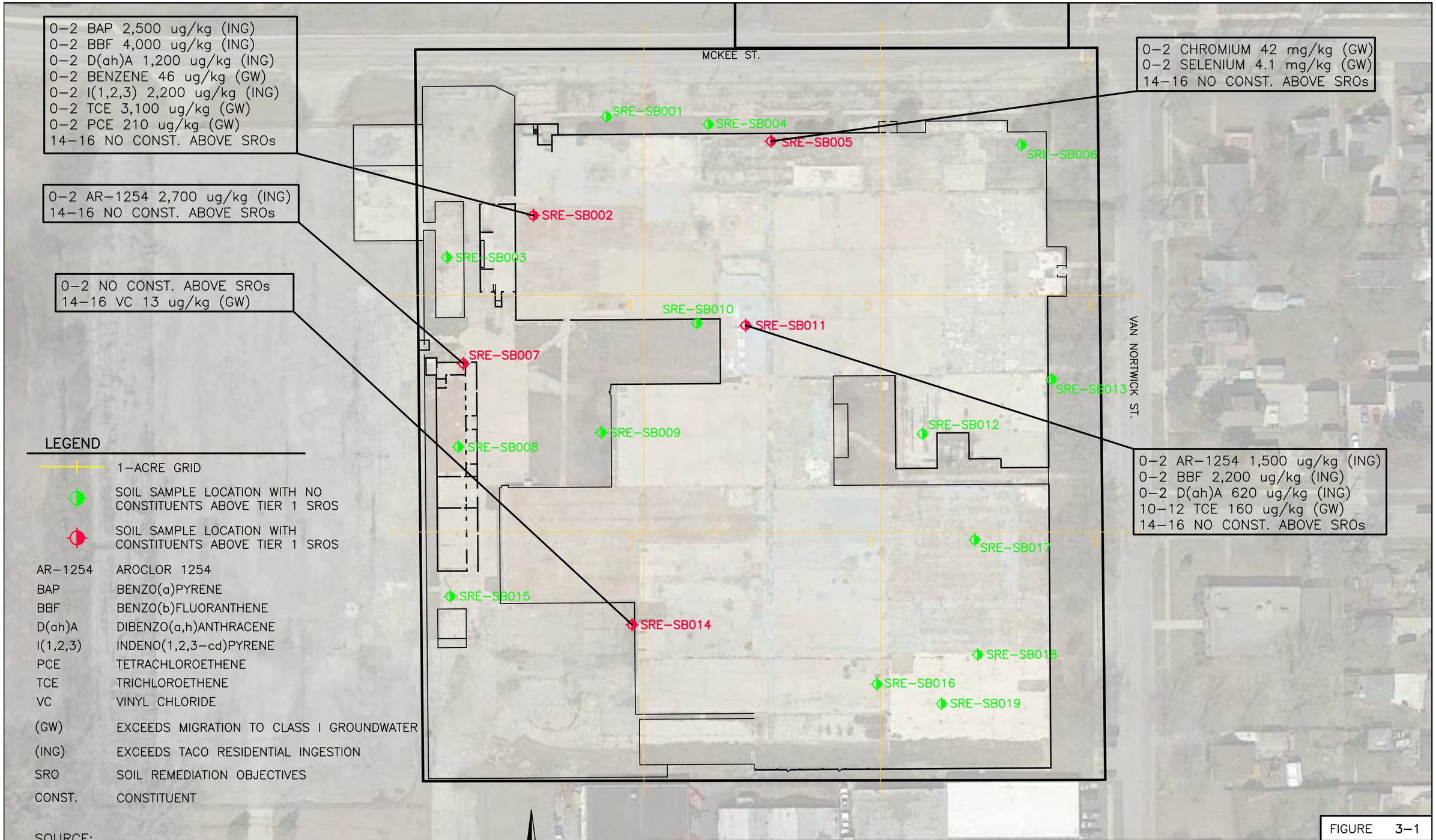
			Field Sample ID	SRE-SG001-004-1	SRE-SG002-003-1	SRE-SG003-014-1	SRE-SG003RE-009-1	SRE-SG004-003-1	SRE-SG005-003-1	SRE-SG006-003-1	SRE-SG006-003-2
			Sample Date	8/13/2015	7/22/2015	10/6/2015	11/11/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015
			Location ID	SRE-SG001	SRE-SG002	SRE-SG003	SRE-SG003RE	SRE-SG004	SRE-SG005	SRE-SG006	SRE-SG006
			Depth	4 - 4	3.5 - 3.5	14.5 - 14.5	9 - 9	3.5 - 3.5	3.5 - 3.5	3.5 - 3.5	3.5 - 3.5
Parameter	**Table H - Residential**	**J&E1/J&E2 - Residential**	**J&E4 - Residential**								
VOCs (mg/m3)											
2-Methylnaphthalene	530	---	---	0.29 U	0.058 U	0.15 U	0.13 U	0.058 U	0.0083 U	0.54 U	0.34 J
Acetone	750000	32	1067	0.15 J	0.028 J	0.21	0.11 U	0.052	0.067	0.44 U	0.43 U
Chlorobenzene	69	0.052	1.7	0.34	0.0037 U	0.0092 U	0.0084 U	0.0037 U	0.00053 U	0.034 U	0.034 U
cis-1,2-Dichloroethene	1100000	---	---	0.061	0.001 J	0.34	0.38	0.0032 U	0.00045 U	0.029 U	0.029 U
Ethylbenzene	13	0.00097	0.032	**0.082**	0.0035 U	0.0072 J	0.0079 U	0.014	0.013	0.032 U	0.032 U
m,p-Xylene	130	0.1	3.3	0.23	0.0035 U	0.0099	0.0079 U	0.027	0.044	0.032 U	0.032 U
Methylene chloride	5.6	0.24	8	0.035 U	0.0069 U	0.017 U	0.016 U	0.0069 U	0.001 U	0.064 U	0.063 U
Naphthalene	0.11	0.000072	0.0024	**0.034 J**	0.01 U	0.026 U	0.024 U	0.01 U	0.0006 J	0.097 U	0.095 U
o-Xylene	120	0.1	3.3	0.072	0.0035 U	0.0041 J	0.0079 U	0.0097	0.016	0.032 U	0.032 U
Vinyl Chloride	0.29	0.00028	0.0093	**0.077**	0.002 U	**0.01**	**0.049**	0.002 U	0.00029 U	0.019 U	0.019 U
Xylenes, Total	140	0.1	3.3	**0.31**	0.0069 U	0.014 J	0.016 U	0.037	0.059	0.064 U	0.063 U
PCBs (mg/m3)											
Aroclor 1016	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U
Aroclor 1221	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U
Aroclor 1232	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U
Aroclor 1242	---	---	---	0.000333 UJ	0.000347 UJ	NA	NA	0.000347 UJ	0.000347 UJ	0.000347 UJ	0.000214 UJ
Aroclor 1248	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U
Aroclor 1254	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U
Aroclor 1260	---	---	---	0.000333 UJ	0.000347 U	NA	NA	0.000347 U	0.000347 U	0.000347 U	0.000214 U

Notes:

1. Screening criteria standards from Title 35 of the Illinois Administrative Code (IAC), Section 742 – Tiered Approach to Corrective Action Objectives (TACO), Appendix B, Table H, Tier 1 Soil Gas and Groundwater Remediation Objectives for the Indoor Inhalation Exposure Route.
2. Tier 1 J&E1 and J&E2 screening criteria standards from Title 35 of the Illinois Administrative Code (IAC), Section 742 – Tiered Approach to Corrective Action Objectives (TACO), Appendix C, Table L, J&E Equations.the Indoor Air Remediation Objectives.
3. Tier 3 J&E4 screening criteria standards from Title 35 of the Illinois Administrative Code (IAC), Section 742 – Tiered Approach to Corrective Action Objectives (TACO), Appendix C, Table L, J&E Equations for Indoor Air Remediation Objectives.
3. **BOLD** type indicates concentration above more than one soil remediation objective/reporting limit. Shading indicates the most stringent soil remediation objective/reporting limit.
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
---- - Not Applicable
NA - Not Analyzed

Analyte concentration exceeds the standard for:

	Residential Indoor Air - TACO Appendix B, Table H
	Residential Indoor Air - J&E1 and J&E2
	Residential Indoor Air - Tier 3 J&E4



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SRE–SB002 (0–2 FT BGS)
BENZENE 46 ug/kg (GW) PCE 210 ug/kg (GW) TCE 3,100 ug/kg (GW)
SRE–SB002 (14–6 FT BGS)
NO CONSTITUENTS ABOVE SROs

SRE–SB021 (0–2 FT BGS)
PCE 760 ug/kg (GW) TCE 8,800 ug/kg (GW,INH)
SRE–SB021 (2–4 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB021 (4–6 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB021 (6–8 FT BGS)
NO CONSTITUENTS ABOVE SROs

LEGEND

- SOIL SAMPLE NOT ANALYZED FOR VOCs
- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- SOIL SAMPLE LOCATION (ROUND 3)
- SOIL SAMPLE LOCATION (ROUND 4)
- SOIL SAMPLE LOCATION WITH CONSTITUENTS ABOVE TIER 1 SROs
- SOIL SAMPLE LOCATION WITH NO CONSTITUENTS ABOVE TIER 1 SROs

(INH) EXCEEDS RESIDENTIAL INHALATION
(GW) EXCEEDS MIGRATION TO CLASS I GROUNDWATER PATHWAY
PCE TETRACHLOROETHENE
TCE TRICHLOROETHENE

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

N

0 20'
SCALE

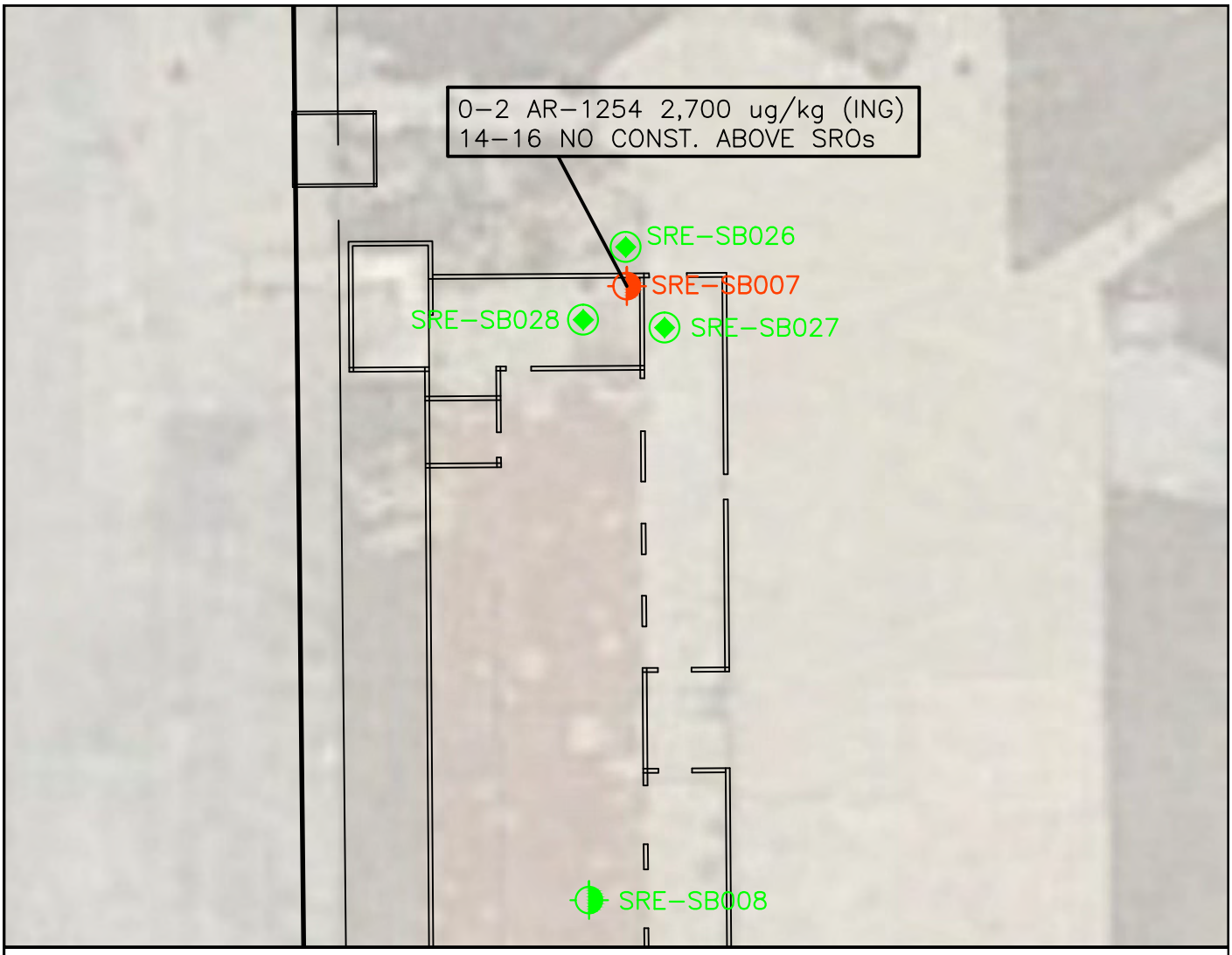
NOTE:
1. PAH EXCEEDANCES ASSOCIATED WITH FOUNDRY SAND SAMPLES ARE PRESENTED ON FIGURE 3–5. ONLY VOC EXCEEDANCES AT THE SB002 HOTSPOT ARE PRESENTED ON THIS FIGURE.
2. REFER TO TABLE 2–1 FOR SAMPLE DEPTHS AND SAMPLE PURPOSE PER BORING LOCATION.

FIGURE 3–2

WESTON SOLUTIONS®

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

SOIL SAMPLING EXCEEDANCE MAP – SRE–SB002 HOTSPOT
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois



LEGEND

	SOIL SAMPLE LOCATION (ROUND 1)
	SOIL SAMPLE LOCATION (DELINEATION)
	SOIL SAMPLE LOCATION WITH CONSTITUENTS ABOVE TIER 1 SROs
	SOIL SAMPLE LOCATION WITH NO CONSTITUENTS ABOVE TIER 1 SROs
(ING)	EXCEEDS RESIDENTIAL INGESTION
AR–1254	AROCLOR 1254
PCBs	POLYCHLORINATED BIPHENYLS

NOTE:
SOIL SAMPLES FROM BORINGS SRE–SB026, SRE–SB027, AND SRE–SB028 WERE COLLECTED FROM 0.0 TO 2.0, 2.0 TO 3.0, 3.0 TO 4.0, AND 4.0 TO 5.0 FT. BGS FOR PCBs.

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967)
– PROVIDED BY SIEMENS REAL ESTATE, 2014

N

0 20'
SCALE

FIGURE 3–3

WESTON SOLUTIONS®

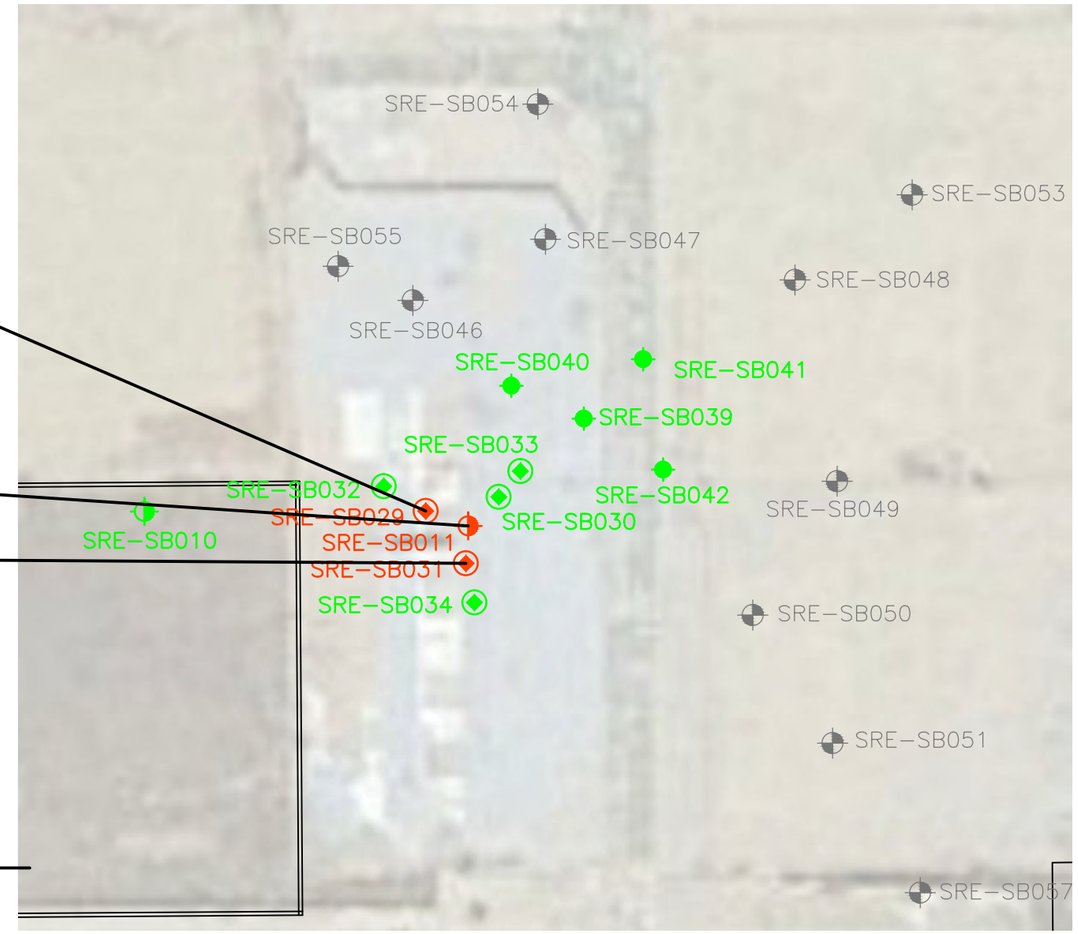
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

SOIL SAMPLING EXCEEDANCE MAP – SRE–SB007 HOTSPOT
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SRE–SB029 (0–2 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB029 (4–6 FT BGS)
AR–1254 1,500 ug/kg (ING) AR–1260 1,200 ug/kg (ING)
SRE–SB029 (8–10 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB029 (10–12 FT BGS)
VC 84 J ug/kg (GW)

SRE–SB011 (0–2 FT BGS)
AR–1254 1,500 ug/kg (ING)
SRE–SB011 (10–12 FT BGS)
TCE 160 ug/kg (GW)
SRE–SB011 (14–16 FT BGS)
NO CONSTITUENTS ABOVE SROs

SRE–SB031 (0–2 FT BGS)
AR–1260 1,300 J ug/kg (ING)
SRE–SB031 (4–6 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB031 (8–10 FT BGS)
NO CONSTITUENTS ABOVE SROs
SRE–SB031 (10–12 FT BGS)
VC 260 J/150 J ug/kg (GW)



LEGEND

- SOIL SAMPLE NOT ANALYZED FOR VOCs OR PCBs
- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- SOIL SAMPLE LOCATION (ROUND 3)
- SOIL SAMPLE LOCATION (ROUND 4)
- SOIL SAMPLE LOCATION WITH CONSTITUENTS ABOVE TIER 1 SROs
- SOIL SAMPLE LOCATION WITH NO CONSTITUENTS ABOVE TIER 1 SROs

(ING)	EXCEEDS RESIDENTIAL INGESTION
(GW)	EXCEEDS MIGRATION TO CLASS I GROUNDWATER PATHWAY
AR–1254	AROCLOR 1254
AR–1260	AROCLOR 1260
VC	VINYL CHLORIDE
TCE	TRICHLOROETHENE
PCBs	POLYCHLORINATED BIPHENYLS

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

NOTES:
1. PAH EXCEEDANCES ASSOCIATED WITH FOUNDRY SAND SAMPLES ARE PRESENTED ON FIGURE 3–5. ONLY VOC AND PCB EXCEEDANCES AT THE SB011 HOTSPOT ARE PRESENTED ON THIS FIGURE.
2. REFER TO TABLE 2–1 FOR SAMPLE DEPTHS AND SAMPLE PURPOSE PER BORING LOCATION.

N

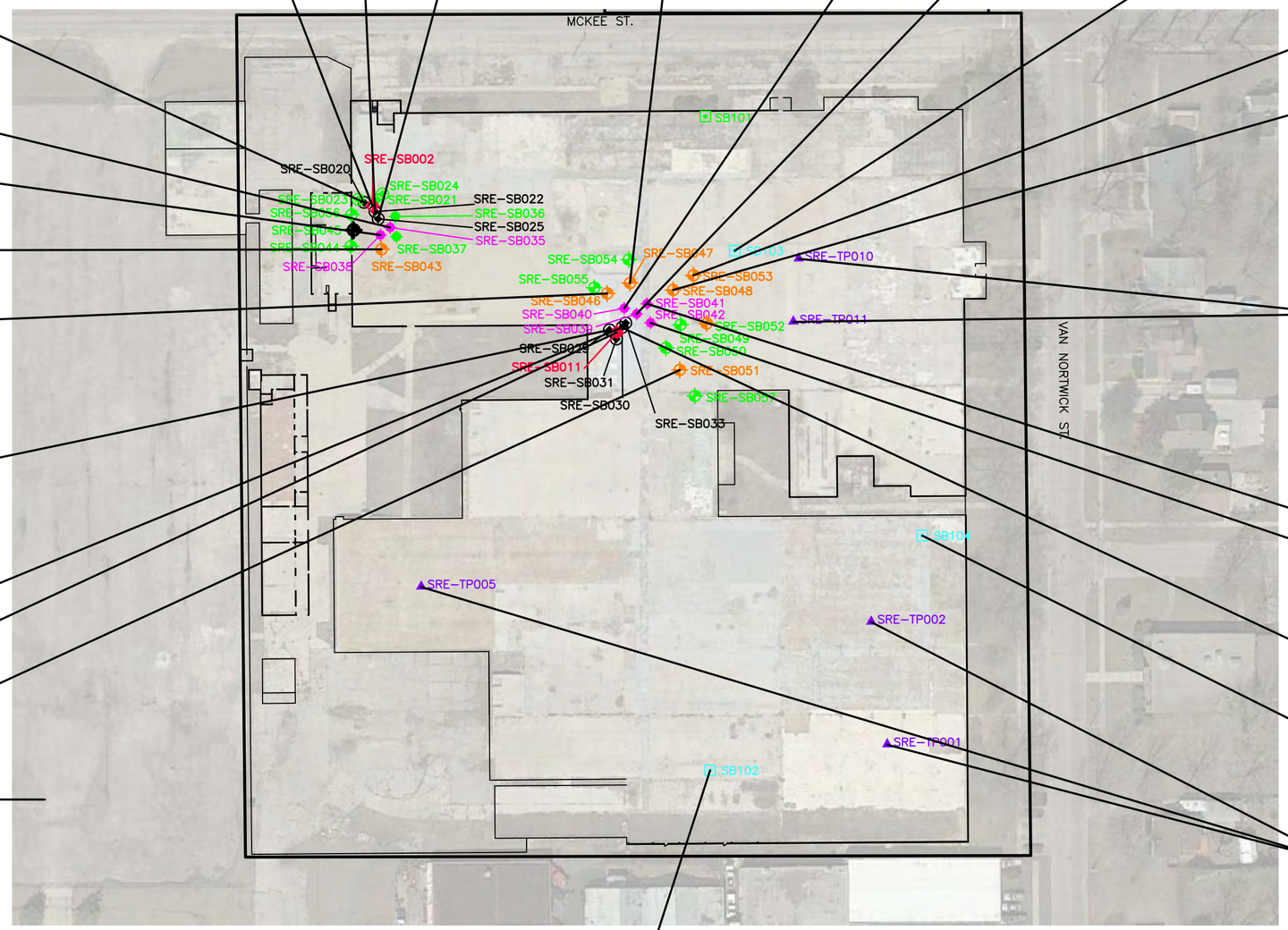
0 20'
SCALE

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

FIGURE 3–4

SOIL SAMPLING EXCEEDANCE MAP – SRE–SB011 HOTSPOT
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois



SRE-SB002 (0-2 FT BGS)
BAP 2,500 ug/kg (ING)
BBF 4,000 ug/kg (ING)
D(a,h)A 1,200 ug/kg (ING)
I(1,2,3) 2,200 ug/kg (ING)

SRE-SB022 (0-2 FT BGS)
BBF 2,700 ug/kg (ING)
D(a,h)A 880 ug/kg (ING)
I(1,2,3) 2,100 ug/kg (ING)

SRE-SB025 (0-2 FT BGS)
BBF 4,200 ug/kg (ING)
D(a,h)A 610 ug/kg (ING)
I(1,2,3) 1,700 ug/kg (ING)

SRE-SB047 (0-2 FT BGS)
BAA 12,000 ug/kg (ING,GW)
BAP 31,000 ug/kg (ING,GW,CW)
BBF 82,000 ug/kg (ING,GW)
BKF 25,000 ug/kg (ING)
D(a,h)A 2,700 ug/kg (ING,GW)
I(1,2,3) 6,300 ug/kg (ING)

SRE-SB040 (0-2 FT BGS)
BAA 2,800 ug/kg (ING,GW)
BAP 4,100 ug/kg (ING)
BBF 14,000 ug/kg (ING,GW)
D(a,h)A 2,000 ug/kg (ING)
I(1,2,3) 5,000 ug/kg (ING)

SRE-SB039 (0-2 FT BGS)
BAA 14,000 ug/kg (ING,GW)
BAP 23,000 ug/kg (ING,GW,CW)
BBF 43,000 ug/kg (ING,GW)
BKF 30,000 ug/kg (ING)
D(a,h)A 8,200 ug/kg (ING,GW)
I(1,2,3) 20,000 ug/kg (ING,GW)

SRE-SB103 (1-2 FT BGS)
BAP 3,100 ug/kg (ING)
BBF 6,900 ug/kg (ING,GW)
D(a,h)A 1,100 ug/kg (ING)
I(1,2,3) 3,200 ug/kg (ING)

SRE-SB053 (0-2 FT BGS)
BBF 6,300 ug/kg (ING,GW)
D(a,h)A 890 ug/kg (ING)
I(1,2,3) 2,300 ug/kg (ING)

SRE-SB053 (0-2 FT BGS) DUP
BAP 2,200 ug/kg (ING)
BBP 6,300 ug/kg (ING,GW)
D(a,h)A 920 ug/kg (ING)
I(1,2,3) 2,400 ug/kg (ING)

SRE-SB020 (0-2 FT BGS)
BAA 2,400 ug/kg (ING,GW)
BAP 4,500 ug/kg (ING)
BBF 6,700 ug/kg (ING,GW)
D(a,h)A 1,800 ug/kg (ING)
I(1,2,3) 3,400 ug/kg (ING)

SRE-SB035 (0-2 FT BGS)
BBF 2,200 ug/kg (ING)

SRE-SB035 (0-2 FT BGS) DUP
BBF 3,000 ug/kg (ING)

SRE-SB038 (0-2 FT BGS)
BBF 2,500 ug/kg (ING)

SRE-SB043 (0-2 FT BGS)
BAP 3,500 ug/kg (ING)
BBF 5,600 ug/kg (ING,GW)
D(a,h)A 590 ug/kg (ING)
I(1,2,3) 2,100 ug/kg (ING)

SRE-SB046 (0-2 FT BGS)
BAA 2,100 ug/kg (ING,GW)
BAP 3,100 ug/kg (ING)
BBF 7,800 ug/kg (ING,GW)
D(a,h)A 1,300 ug/kg (ING)
I(1,2,3) 3,700 ug/kg (ING)

SRE-SB029 (4-6 FT BGS)
BAA 7,800 ug/kg (ING,GW)
BAP 12,000 ug/kg (ING,GW)
BBF 22,000 ug/kg (ING,GW)
D(a,h)A 4,500 ug/kg (ING,GW)
I(1,2,3) 12,000 ug/kg (ING)

SRE-SB030 (0-2 FT BGS)
BAA 23,000 ug/kg (ING,GW)
BAP 62,000 ug/kg (ING,GW,CW)
BBF 110,000 ug/kg (ING,GW)
BKF 51,000 ug/kg (ING,GW)
D(a,h)A 9,900 ug/kg (ING,GW)
I(1,2,3) 24,000 ug/kg (ING,GW)

SRE-SB011 (0-2 FT BGS)
D(A,h)A 620 ug/kg (ING)

SRE-SB051 (0-2 FT BGS)
BBF 4,100 ug/kg (ING)

SRE-SB048 (0-2 FT BGS)
BAA 8,100 ug/kg (ING,GW)
BAP 10,000 ug/kg (ING,GW)
BBF 54,000 ug/kg (ING,GW)
BKF 11,000 ug/kg (ING)
D(a,h)A 3,200 ug/kg (ING,GW)
I(1,2,3) 9,900 ug/kg (ING)

SRE-BLKSAND TP10/11 (0 FT BGS)
BAA 11,000 ug/kg (ING,GW)
BAP 12,000 ug/kg (ING,GW)
BAF 38,000 ug/kg (ING,GW)
D(a,h)A 5,800 ug/kg (ING,GW)
I(1,2,3) 19,000 ug/kg (ING,GW)

SRE-SB041 (0-2 FT BGS)
BAA 2,600 ug/kg (ING,GW)
BAP 4,200 ug/kg (ING)
BAF 12,000 ug/kg (ING,GW)
D(a,h)A 2,400 ug/kg (ING)
I(1,2,3) 6,200 ug/kg (ING)

SRE-SB042 (0-2 FT BGS)
BAA 2,900 ug/kg (ING,GW)
BAP 4,300 ug/kg (ING)
BAF 11,000 ug/kg (ING,GW)
D(a,h)A 1,900 ug/kg (ING)
I(1,2,3) 5,200 ug/kg (ING)

SRE-SB033 (0-2 FT BGS)
BBF 5,600 ug/kg (ING,GW)
D(a,h)A 850 ug/kg (ING)
I(1,2,3) 2,200 J ug/kg (ING)

SRE-SB104 (1-3 FT BGS)
BAA 7,800 ug/kg (ING,GW)
BAP 10,000 ug/kg (ING,GW)
BBF 22,000 ug/kg (ING,GW)
D(a,h)A 1,100 J ug/kg (ING)
I(1,2,3) 5,200 ug/kg (ING)

SRE-BLKSAND TP1/2/5 (0 FT BGS)
BAA 7,400 ug/kg (ING,GW)
BAP 12,000 ug/kg (ING,GW)
BAF 22,000 ug/kg (ING,GW)
D(a,h)A 4,400 ug/kg (ING,GW)
I(1,2,3) 10,000 ug/kg (ING)

SM-BLKSAND (0 FT BGS)
BAA 9,100 ug/kg (ING,GW)
BAP 8,300 ug/kg (ING,GW)
BBF 14,000 ug/kg (ING,GW)
D(a,h)A 2,700 ug/kg (ING,GW)
I(1,2,3) 8,100 ug/kg (ING)

SRE-SB102 (1-32 FT BGS)
BAP 3,300 ug/kg (ING)
BBP 10,000 ug/kg (ING,GW)
D(a,h)A 530 ug/kg (ING)

LEGEND

- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- SOIL SAMPLE LOCATION (ROUND 3)
- SOIL SAMPLE LOCATION (ROUND 4)
- TEST PIT LOCATION
- SOIL SAMPLE LOCATION – FOUNDRY SAND CHARACTERIZATION SAMPLE LOCATIONS
- NO CONTITUENTS DETECTED ABOVE TIER I SROs

BAP	BENZO(a)ANTHRACENE
BAP	BENZO(a)PYRENE
BBF	BENZO(b)FLUORANTHENE
BKF	BENZO(k)FLUORANTHENE
D(ah)A	DIBENZO(a,h)ANTHRACENE
I(1,2,3)	INDENO(1,2,3-cd)PYRENE
(CW)	EXCEEDS CONSTRUCTION WORKER
(GW)	EXCEEDS MIGRATION TO CLASS I GROUNDWATER
(ING)	EXCEEDS TACO RESIDENTIAL INGESTION
(DUP)	DUPLICATE SAMPLE

SOURCE:

A. ESRI DIGITIAL GLOBE 2013

B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

N

0 80'
SCALE

WESTON SOLUTIONS

300 Plaza Circle
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Mundelein, Illinois
60060

FIGURE 3-5

SOIL SAMPLING EXCEEDANCE MAP – FOUNDRY SANDS

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

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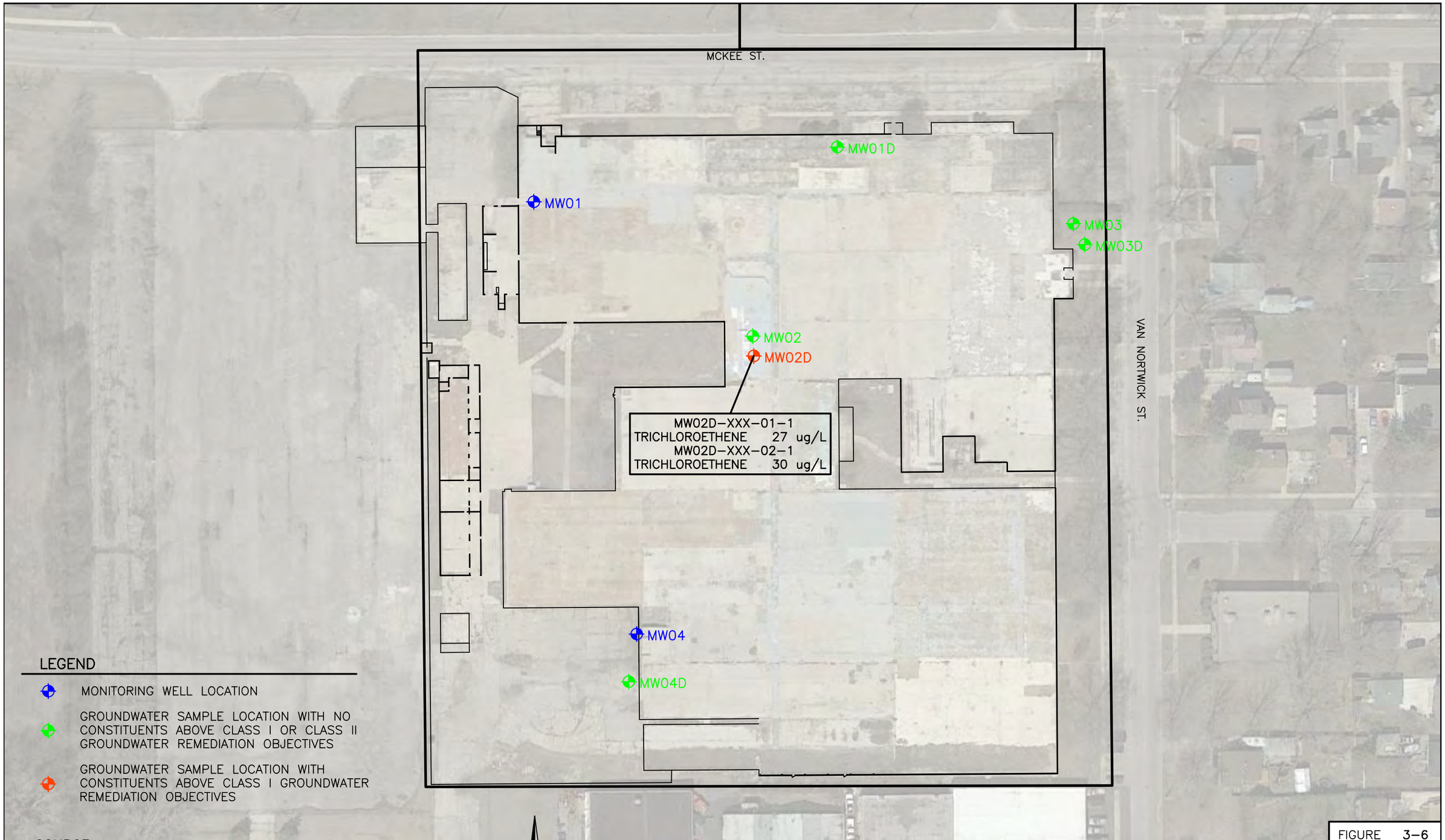

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

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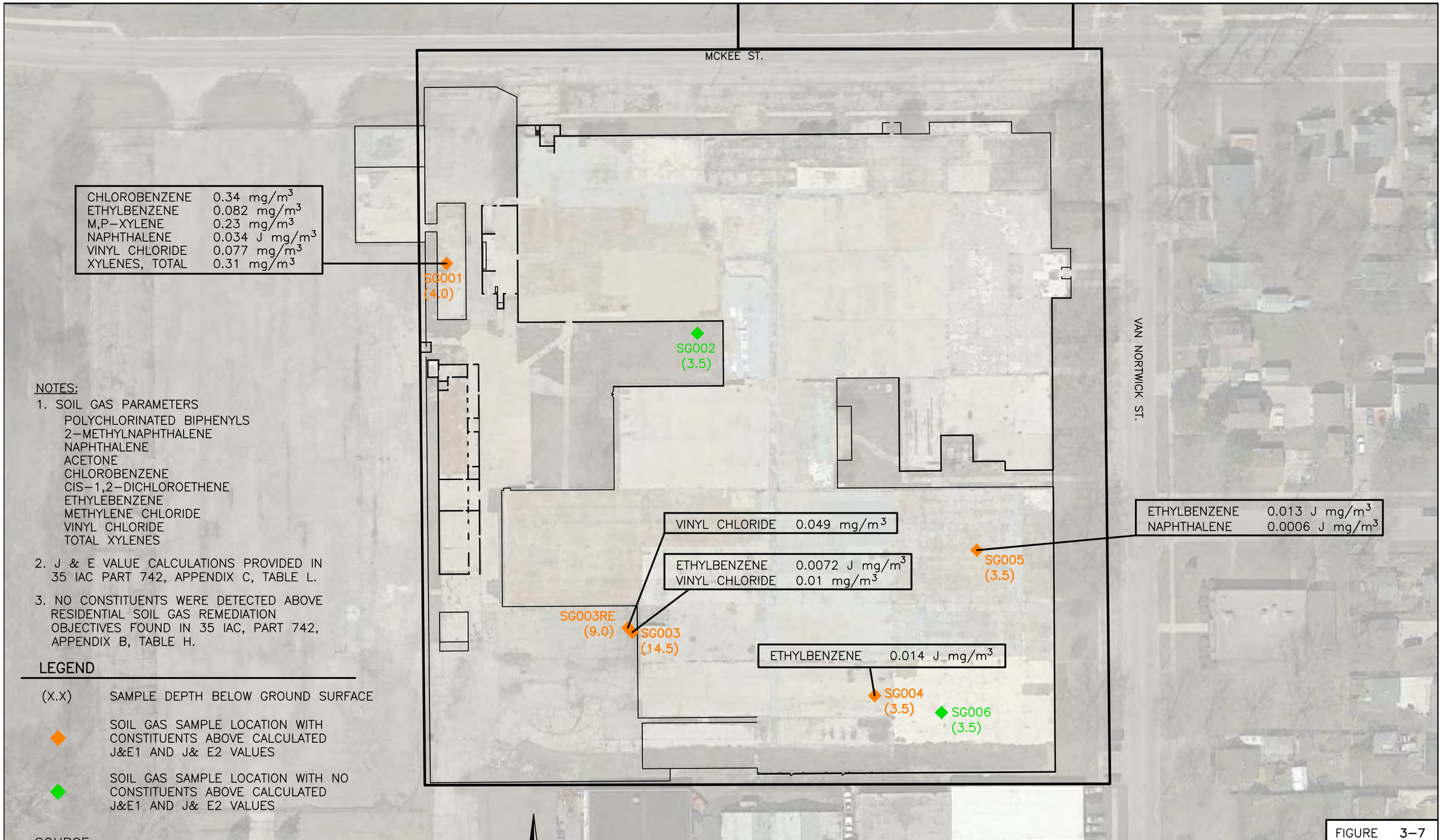
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

FIGURE 3–6

GROUNDWATER SAMPLING EXCEEDANCE MAP

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois



NOTES:

1. SOIL GAS PARAMETERS
   - POLYCHLORINATED BIPHENYLS
   - 2-METHYLNAPHTHALENE
   - NAPHTHALENE
   - ACETONE
   - CHLOROBENZENE
   - CIS-1,2-DICHLOROETHENE
   - ETHYLEBENZENE
   - METHYLENE CHLORIDE
   - VINYL CHLORIDE
   - TOTAL XYLENES
2. J & E VALUE CALCULATIONS PROVIDED IN 35 IAC PART 742, APPENDIX C, TABLE L.
3. NO CONSTITUENTS WERE DETECTED ABOVE RESIDENTIAL SOIL GAS REMEDIATION OBJECTIVES FOUND IN 35 IAC, PART 742, APPENDIX B, TABLE H.

LEGEND

(X.X) SAMPLE DEPTH BELOW GROUND SURFACE

◆ SOIL GAS SAMPLE LOCATION WITH CONSTITUENTS ABOVE CALCULATED J&E1 AND J& E2 VALUES

◆ SOIL GAS SAMPLE LOCATION WITH NO CONSTITUENTS ABOVE CALCULATED J&E1 AND J& E2 VALUES

SOURCE:

A. ESRI DIGITIAL GLOBE 2013

B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

FIGURE 3-7

SOIL GAS SAMPLING EXCEEDANCE MAP

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

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SECTION 4
DETERMINATION OF REMEDIATION OBJECTIVES

The Tiered Approach to Corrective Action Objectives (TACO) 35 IAC Part 742 regulations provide for a three-tiered framework to calculate numerical remediation objectives. Under a Tier 1 evaluation, the concentration of constituents of concern are compared to the corresponding remediation objectives contained in 35 IAC Part 742, Appendix B, Tables A, B, C, D, and E of 35 IAC Part 742. A Tier 2 evaluation uses the EPA Soil Screening Level (SSL) and the ASTM Risk Based Corrective Action (RBCA) methods to develop site-specific remediation objectives. A Tier 3 evaluation allows for development of site-specific remediation objectives using alternative parameters and factors not available under a Tier 1 or Tier 2 evaluation. TACO also allows for the use of area background concentrations and exposure route exclusion in the development of remediation objectives.

In proposing remediation objectives for the former facility property, the end use is assumed to be residential. No institutional controls or engineered barriers are proposed for the remediation of this property.

4.1 SOIL

4.1.1 Ingestion and Outdoor Inhalation Exposure Pathways

The Tier 1 residential soil remediation objectives for ingestion and inhalation are proposed as the remediation objective for these exposure routes**.**

4.1.2 Soil Component to the Groundwater Ingestion Exposure Route

Tier 2 residential SROs for the soil component to the groundwater ingestion exposure route for Class 1 groundwater were previously approved by the IEPA for VOC constituents for this exposure route in a letter dated 19 September 2006. Tier 2 soil remediation objectives for the soil component of the groundwater ingestion exposure route were developed by applying site-specific data to pre-established equations provided in Appendix C of 35 IAC Part 742.320. The SSL method was selected to develop site-specific Tier 2 soil component of the groundwater migration pathway remediation objectives for TCE and vinyl chloride. Based on the data

collected at the facility during the 2006 investigation, the following Tier 2 soil remediation objectives were determined and approved by the IEPA:

- Trichloroethene – 192 micrograms per kilogram (ug/kg).
- Vinyl chloride – 17 ug/kg.

The steps in calculating a Tier 2 migration to groundwater soil remediation objective for these constituents are presented in detail in Appendix J. The TCE concentrations of 160 ug/kg from soil sample SRE-SB011-014-1 and 150 ug/kg from soil sample SRE-SB031-010-2 are below the approved Tier 2 value of 192 ug/kg. The vinyl chloride concentration of 13 ug/kg from soil sample SRE-SB014-014-1 is below the approved Tier 2 value of 17 ug/kg. Therefore, these are not considered constituents of concern at those locations.

4.1.3 Construction Worker Ingestion and Inhalation Exposure Pathways

The Tier 1 residential soil remediation objectives for ingestion and inhalation are proposed as the remediation objectives for these exposure routes**.**

4.2 OTHER CONCERNS

4.2.1 Foundry Sands

4.2.1.1 Ingestion and Outdoor Inhalation Exposure Pathways

The Tier 1 residential soil remediation objectives for residential ingestion and inhalation and construction worker ingestion and inhalation are proposed as the direct contact remediation objective for these exposure routes**.**

4.2.1.2 Soil Component to the Groundwater Ingestion Exposure Route

As discussed in Section 3.2.2.1, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and/or indeno(1,2,3-cd)pyrene were present in all foundry sand samples at concentrations above the Tier 1 SROs for the soil component of the groundwater ingestion exposure route for Class I groundwater. All foundry sand types were found to contain similar constituents of concern.

Tier 3 Evaluation

A Tier 3 evaluation was performed on the PAH constituents in the foundry sands for the pathway exclusion of soil component to the groundwater ingestion exposure route for Class I groundwater. In accordance with 35 IAC Part 742.925, Exposure Routes, the following technical information demonstrates that there is no actual or potential impact of contaminants of concern for the soil component to the groundwater ingestion exposure route.

1) Description of the route evaluated

The exposure route evaluated under this Tier 3 evaluation is the soil component of the groundwater ingestion exposure route.

2) *A description of the site and physical site characteristics*

As described in the *Geotechnical Evaluation of Siemen-Batavia Fill Material* (JLT Laboratories, 26 May 2015) (Appendix E), the material classifies as silty sand (SM) with fine gravel and wood fragments with about 14% passing the No. 200 sieve. This fine material is non-plastic and not a clay. The fines are also not hydrophilic or hydrophobic. There were no adhering hydrocarbons found, no vapors released or any perceivable odor. These particles were inert to sparks, a medium flame or a high temperature flame.

3) *A discussion of the results and possibility of the route becoming active in the future*

Six soil samples were collected from soil boring locations SB002, SB011, SB101 through SB104 at intervals corresponding to foundry sands and analyzed for TCLP PAHs. The purpose of this analysis was to determine if PAH concentrations leach from the foundry sand material. Based on the analytical results (Table 3-3), PAH concentrations, except for naphthalene (SRE-SB002-001-1), were not present at concentrations above laboratory reporting limits. The naphthalene concentration present in SRE-SB002-001-1 is below Class I groundwater remediation objectives.

In addition, groundwater analytical results (Table 3-6) from shallow monitoring wells MW02 and MW03 did not indicate the presence of PAHs at concentrations above laboratory reporting limits. Based on these analytical results, a soil component to the groundwater ingestion or a groundwater ingestion exposure route is not present from foundry sand.

4) Technical Support

Visually the fines appear to be flat and brittle with angular edges. All of the evidence from gradation, visual 50x examination and surfactant, vapor/odor, ignition, and sediment tests suggest an inert carbon based product. Based on the analytical results, no soil component to the groundwater ingestion or a groundwater ingestion exposure route is present from foundry sand.

4.2.2 Weathered Material

4.2.2.1 Ingestion and Outdoor Inhalation Exposure Pathways

The Tier 1 residential soil remediation objectives for residential ingestion and inhalation and construction worker ingestion and inhalation are proposed as the remediation objective for these exposure routes.

4.2.2.2 Soil Component to the Groundwater Ingestion Exposure Route

No constituents in weathered material samples were detected at concentrations exceeding their respective Tier 1 SROs for the soil component to the groundwater ingestion exposure route for Class 1 groundwater, therefore no Tier 2 evaluation was completed for this exposure route. The Tier 1 soil remediation objectives for the soil component to the groundwater ingestion exposure route are proposed for this exposure route.

Tier 3 Evaluation

A Tier 3 evaluation was performed on the weathered material for the pathway exclusion of all exposure routes. In accordance with 35 IAC Part 742.925, Exposure Routes, the following technical information demonstrates that there is no actual or potential impact of contaminants of concern for the soil component to the groundwater ingestion exposure route.

1) Description of the route evaluated

The exposure route evaluated under this Tier 3 evaluation is the ingestion, outdoor and indoor inhalation, and soil component of the groundwater ingestion exposure route.

2) *A description of the site and physical site characteristics*

A weathered petroleum substance was observed in soil borings near the former fuel oil tank area and former paint room. The weathered material is described as a low viscosity "sticky" petroleum-like in odor and color substance present in the soil as streaks of small droplets. Photographs 5, 12, 20, 21 and 25 provided in Appendix C illustrate the weathered material.

3) *A discussion of the results and possibility of the route becoming active in the future*

As discussed in Section 3.2.2.2, no constituents were present at concentrations above the Tier 1 SROs for the soil component of the groundwater ingestion exposure route for Class I groundwater pathway, ingestion, or the construction worker ingestion or inhalation pathways for samples containing weathered material. In addition, TPH concentrations were not above the natural attenuation capacity of 2,000 mg/kg for subsurface soil.

Weathered material was also visually observed in shallow monitoring well MW02 adjacent to boring SB011. Analytical results did not indicate the presence of constituents at concentrations above groundwater remediation objectives. In addition, only two of the four shallow monitoring wells produced groundwater. Weathered material migration within groundwater is not likely due to the discontinuous nature of the perched water-bearing unit. Weather material was not present in monitoring wells installed in the deep water-bearing unit.

4) Technical Support

Based on the information presented above, the weathered material is a potential aesthetic concern but not an active source of contamination for the facility.

4.3 GROUNDWATER

Perched Water-Bearing Unit

The Tier 1 groundwater remediation objectives for Class II groundwater are proposed for the shallow water-bearing unit.

Deep Water-Bearing Unit

The Tier 1 groundwater remediation objectives for Class I groundwater are proposed for the deep water-bearing unit.

4.4 SOIL GAS

Following the guidelines provided in 35 IAC Part 734, for the property to meet residential criteria with no institutional controls in place, detected soil gas constituents must be below Tier 2 J&E 1 and J&E 2 calculated values. As discussed in Section 3.2.4 constituents were detected above the J&E 1 and J&E 2 values at soil gas sample locations SG001, SG003, SG004 and SG005. As an alternative Tier 2 evaluation, Equation J&E 4 provided in 25 IAC Part 742, Appendix C, Table L, was used to determine a site specific soil gas remediation objective.

Determine the Soil Gas Remediation Objective

$$RO_{soil\ gas} = \frac{RO_{indoor\ air}}{\alpha}$$

where:

- $RO_{soil\ gas}$ = Soil gas remediation objective (milligrams per cubic meter [mg/m^3]).
- $RO_{indoor\ air}$ = Indoor air remediation objective value from Appendix C, Table L J&E 1 and J&E 2 calculations (mg/m^3).
- α= Attenuation factor, default value from US EPA Vapor Intrusion Screening Levels (VISLs)

The following Tier 2 soil gas remediation objectives were determined (Table 4-2):

- Chlorobenzene – 1.7 mg/m^3
- Ethylbenzene – 0.032 mg/m^3
- M,p-xylene – 3.3 mg/m^3
- Naphthalene – 0.0024 mg/m^3
- Vinyl chloride – 0.0093 mg/m^3
- Total xylenes – 3.3 mg/m^3

The following elevated concentrations below the calculated site specific Tier 2 J&E4 remediation objectives for the facility therefore are not constituents of concern at those locations.

- SG001 – chlorobenzene and m,p-xylene;
- SG003 – ethylbenzene;
- SG004 – ethylbenzene; and
- SG005 – ethylbenzene and naphthalene.

Ethylbenzene, naphthalene, vinyl chloride and total xylenes were detected at concentrations above all calculated J&E remediation values at location SG001. Vinyl chloride was detected at concentrations above all calculated J&E remediation values at locations SG003 and SG003RE.

4.5 NATURE AND EXTENT OF CONTAMINATION

4.5.1 Soil

Based on the evaluation of the soil sampling analytical results PCBs, VOCs and PAHs were found above Tier 1 soil remediation objectives for residential properties.

SB002 Hotspot

TCE was present at concentrations above the approved Tier 2 soil remediation objectives for the soil component of the groundwater migration exposure pathway for Class I groundwater in two soil samples SRE-SB002-000-1 at 3,100 ug/kg and SRE-SB021-000-1 at 8,800 ug/kg; and therefore, are still constituents of concern. PAHs present at SB002 and surrounding delineation samples are associated with the black foundry sands as discussed in Section 4.5.2.1. The extent of TCE constituents at SB002 is defined vertically and laterally as shown on Figure 4-1.

SB007 Hotspot

Aroclor 1254 was present at a concentration in the soil sample collected at SB007 from the 0.0 to 2.0 ft. bgs interval above the Tier 1 SRO for residential ingestion exposure route. The extent of PCB contamination surrounding SB007 has been defined vertically and laterally as shown of Figure 4-1.

SB011 Hotspot

TCE or vinyl chloride were present at concentrations above the approved Tier 2 soil remediation objectives for the soil component of the groundwater migration exposure pathway for Class I groundwater in two soil samples. TCE was detected in sample SRE-SB031-010-1 at 260 ug/kg and vinyl chloride in sample SRE-SB029-010-1 at 84 ug/kg. PAHs present at SB011 and surrounding delineation soil sample location are associated with the black foundry sands as discussed in Section 4.5.2.1. The extent of contamination surrounding SB011 has been defined vertically and laterally as shown on Figure 4-1.

4.5.2 Other Concerns

4.5.2.1 Foundry Sand

Based on the evaluation of the soil sampling analytical results for the foundry sand samples, PAHs were found above Tier 1 SROs for residential properties. The extent of foundry sands observed in soil borings and test pits, estimated foundry sand volumes, and approximate ages of building construction are provided as Figure 4-2.

4.5.2.2 Weathered Material

Weathered material was visually observed in 41 soil borings and in the groundwater at shallow monitoring well MW02 adjacent to boring SB011. Weathered material was encountered at depths ranging from 5.0 to 9.0 ft. bgs. Analytical results of the nine weathered material soil samples indicate that no constituents are present at concentrations above Tier 1 SROs. Groundwater analytical results from shallow monitoring well MW02 did not indicate the presence of constituents above Class II groundwater remediation objectives. The extent of weathered material observed during the investigation is presented on Figure 4-3.

4.5.3 Groundwater

RBCA Equation R26 was used to predict the distance TCE would travel before meeting Tier 1 groundwater remediation objectives. Inputting the maximum groundwater concentration of TCE and site-specific data on source width, source depth, hydraulic conductivity and gradient, Equation R26 predicts: that TCE detected at concentrations above groundwater remediation objectives would travel 20 ft. and remain on the facility property. Calculations are presented in Table 4-1 and Figure 4-4 shows the predicted migration distances for TCE. This figure shows a 90° wide, pie shape centered on the direction of groundwater flow observed at the facility, to account for fluctuations in the groundwater flow direction.

A domestic well (private well) search conducted through the ISGS returned 2 records pertaining to private wells within 1,000 ft. of the facility. Current status of the wells (in-use or abandoned) was not identified by ISGS however, the two wells were identified at the facility and were abandoned during historical remedial activities. The documentation is provided in Appendix A.

4.5.4 Soil Gas

Ethylbenzene, naphthalene, vinyl chloride and total xylenes were detected at concentrations above all calculated J&E remediation values at location SG001. Vinyl chloride was detected at concentrations above all calculated J&E remediation values at locations SG003 and SG003RE. Since the proposed remedy will be excavation and off-site disposal of soil with no engineered barriers or institutional controls, a detailed discussion of the extent of elevated constituents for the areas surrounding SG001, SG003 and SG003RE will be provided in a separate Remedial Action Plan.

Table 4-1
Tier 2 R26 Class I Groundwater Evaluation
Distance X where VOC Concentrations Equal Class I Groundwater Compliance Objective
Former Siemens Facility
Batavia, IL

Source: 35 IAC 742.810: Calculations to Predict Impacts from Remaining Groundwater Contamination
Step 2: Predict distance X , where groundwater compliance objective is met

$C_x = C_{source} * \exp [(X / 2a_x) * (1- \text{sqrt} (1 + (4l * a_x) / U))] * \text{erf} [S_w /(4 * \text{sqrt}(a_y * X))] * \text{erf} [S_d / (2 * \text{sqrt} (a_z * X))]$
$C_x = C_{source} * \exp[(EQ3) * (EQ4)] * \text{erf} [EQ5] * \text{erf} [EQ6]$
C_{source} = Soluble Grounwater Concentration
$EQ3 = (X / 2a_x)$
$EQ4 = (1- \text{sqrt} (1 + (4l * a_x) / U))$
$EQ5 = S_w / [4 * \text{sqrt}(a_y * X)]$
$EQ6 = S_d / [2 * \text{sqrt}(a_z * X)]$

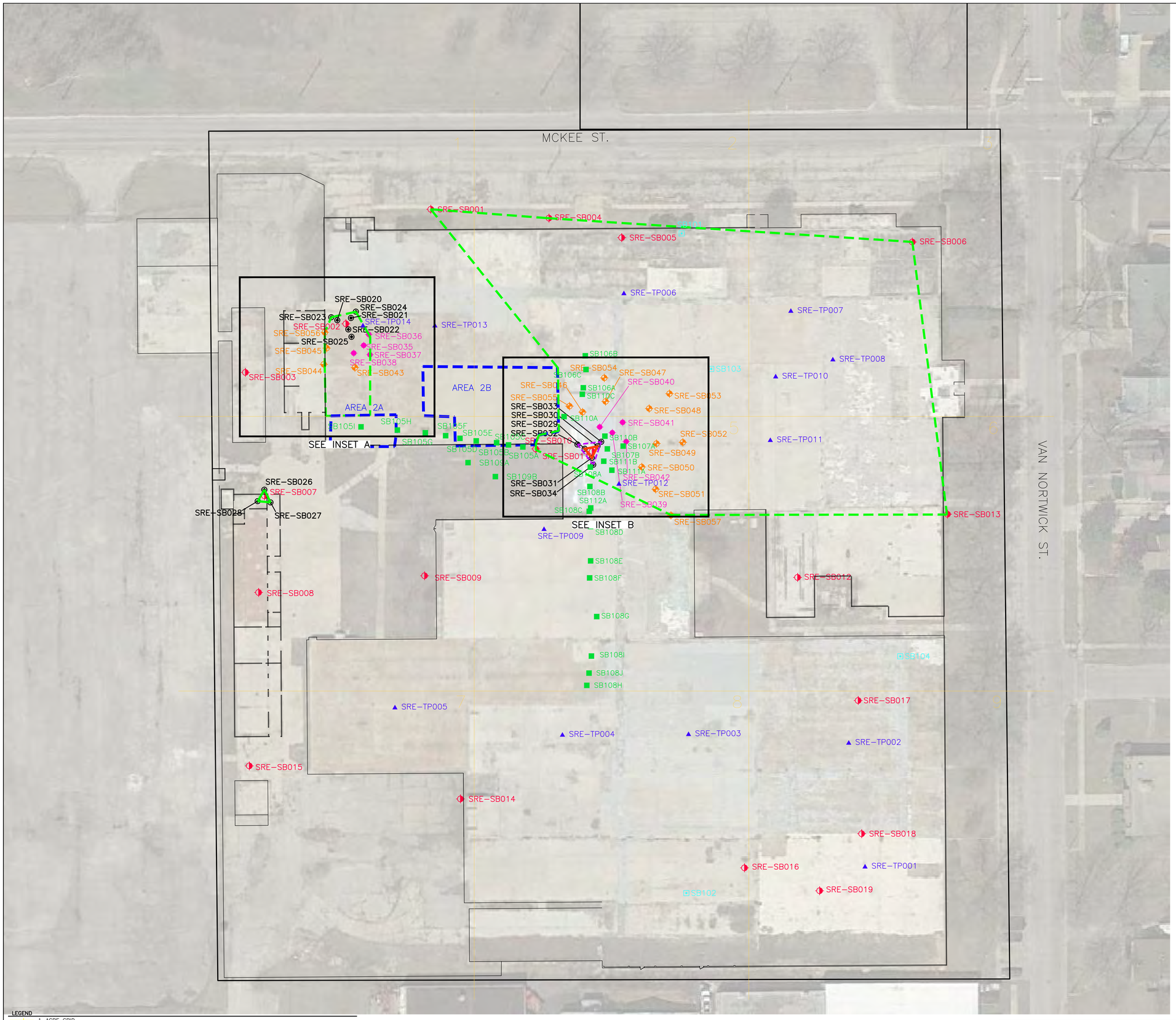
Symbol	Parameter	Value: Trichloroethene	Source: MW02D
C_x	Concentration of contaminant at a distance X from the source, along the centerline of the plume (mg/L).	0.005	Eqn R26, Appendix C, Table C
C_{source}	Greatest potential concentration of the contaminant of concern in groundwater at the source of the contamination (mg/L).	0.03	Trichloroethene concentration in sample SRE-MW02D-XXX-02-1
EQ3		5.000	--
EQ4		-1.39E-01	--
EQ5		61.6188	--
EQ6		0.3217	--
erf(EQ5)		1	Source: Microsoft Excel
erf(EQ6)		0.350890761	Source: Microsoft Excel
X (cm)	Distance along centerline of the groundwater plume emanating from a source. The X direction is the direction of groundwater flow.	**609.6**	**Distance to meet Class I Groundwater Compliance Objective for trichloroethene of 0.005 mg/L; X_{GW} = 20 ft**
l (d^{-1})	First order degradation constant	0.00042	Appendix C, Table E
a_x (cm)	Longitudinal dispersivity	60.96	Eqn R16, Appendix C, Table C, 0.1 * X
a_y (cm)	Transverse dispersivity	20.32	Eqn R17, Appendix C, Table C, a_x/3
a_z (cm)	Vertical dispersivity	3.048	Eqn R18, Appendix C, Table C, a_x/20
erf (unitless)	Error function	--	Appendix C, Table G
U (cm/d) = Ki/q_T	Specific discharge	0.344494884	Eqn R19, Appendix C, Table C, (K*i) / q_T
K (cm/d)	Aquifer hydraulic conductivity	13.0	Geometric mean, 1.5E-4 cm/sec, Subsection 2.4.1
i (cm/cm)	Hydraulic gradient	1.14E-02	Site Specific Average, Subsection 2.4.1
q_T (cm^3/cm^3_{soil})	Total soil porosity	0.43	Appendix C, Table D, default
S_d (cm)	Source width perpendicular to groundwater flow direction in vertical plane.	27.7368	Appendix C, Table D
S_w (cm)	Source width perpendicular to groundwater flow direction in horizontal plane.	27432	Distance of western property line.

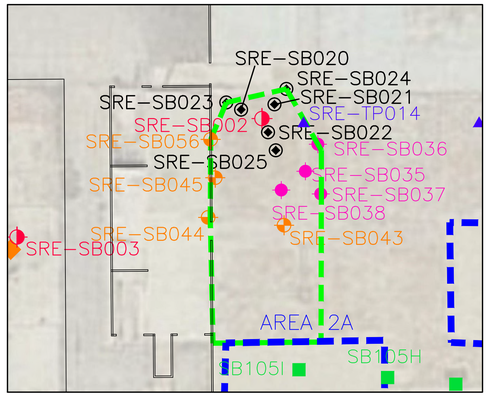
Table 4-2
Proposed Soil Gas Remediation Objectives
J E 4 Calculations
Former Siemens Facility
Batavia, IL

Source: 35 IAC 742, Appendic C, Table L: J&E Equations
J&E 4 Equation:
RO soil gas = RO indoor air / α

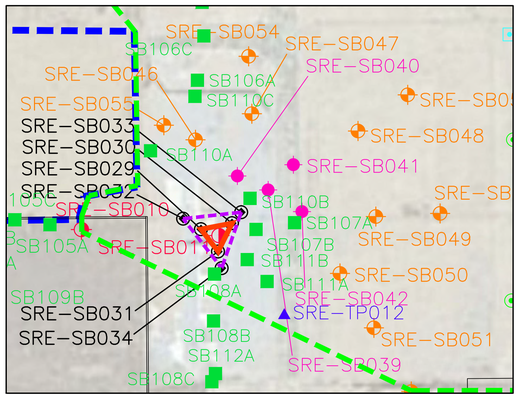
Chemical	RO indoor air (mg/m3)	α (unitless)	RO soil gas (mg/m3)
Chlorobenzene	0.052	0.03	1.7
Ethylbenzene	0.00097	0.03	0.032
m,p-xylene	0.1	0.03	3.3
Naphthalene	0.000072	0.03	0.0024
Vinyl chloride	0.00028	0.03	0.0093
Total xylenes	0.1	0.03	3.3

RO indoor air = Indoor air remediation objective value from Appendix C, Table L J&E 1 and J&E 2 calculation (mg/m^3).
α = Attenuation factor, default value from US EPA Vapor Intrusion Screening Levels (VISLs)
RO soil gas = Soil Gas Remediation Objective





INSET A



INSET B

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. PHASE I ESA – TESTING SERVICE CORPORATION, DECEMBER 1995
C. HAZARDOUS WASTE CONTAINER STAGING AREA CLOSURE REPORT – WESTON SOLUTIONS, JANUARY 1998
D. FOCUSED SITE INVESTIGATION REPORT – WESTON SOLUTIONS, JULY 2003
E. CISR/ROR/RAP – WESTON SOLUTIONS, JULY 2006
F. REMEDIAL ACTION COMPLETION REPORT – WESTON SOLUTIONS, JANUARY 2011
G. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

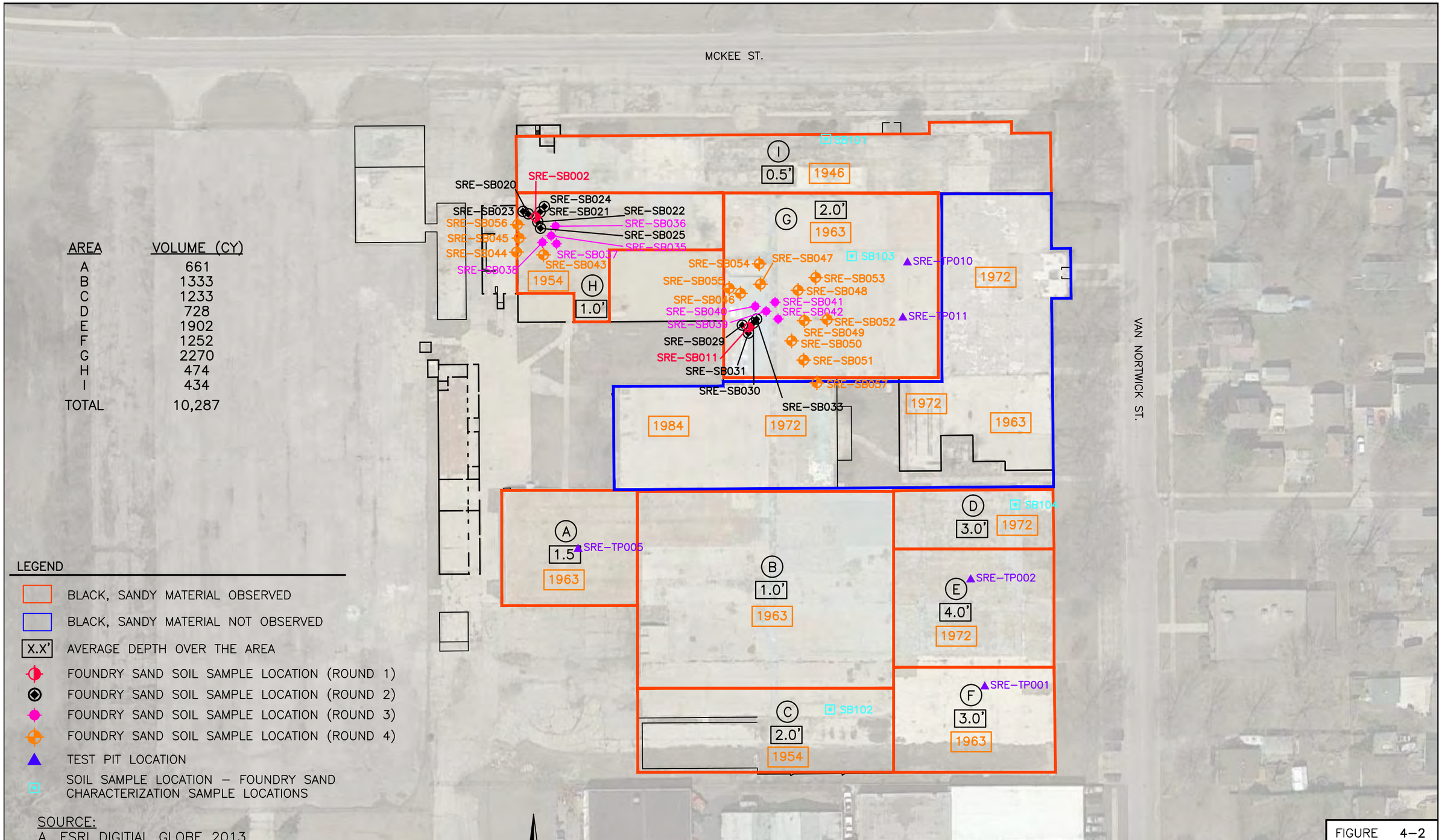
LEGEND
- 1–ACRE GRID
- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- SOIL SAMPLE LOCATION (ROUND 3)
- SOIL SAMPLE LOCATION (ROUND 4)
- STEP OUT LOCATION
- TEST PIT LOCATION
- SOIL SAMPLE LOCATION – FOUNDRY SAND CHARACTERIZATION SAMPLE LOCATIONS
- SOIL SAMPLE LOCATION – WEATHERED MATERIAL DELINEATION
- 2 FT BGS VERTICAL DELINEATION
- 6 FT BGS VERTICAL DELINEATION
- 12 FT BGS VERTICAL DELINEATION

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

DELINEATION OF HOTSPOT AREAS
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SCALE:	DRAWN:	DATE:	DWG. NO.	
1"=30'	D.C.H.	10/14	09114	FIGURE 4–1



AREA	VOLUME (CY)
A	661
B	1333
C	1233
D	728
E	1902
F	1252
G	2270
H	474
I	434
TOTAL	10,287

LEGEND

- BLACK, SANDY MATERIAL OBSERVED
- BLACK, SANDY MATERIAL NOT OBSERVED
- X.X' AVERAGE DEPTH OVER THE AREA
- FOUNDRY SAND SOIL SAMPLE LOCATION (ROUND 1)
- FOUNDRY SAND SOIL SAMPLE LOCATION (ROUND 2)
- FOUNDRY SAND SOIL SAMPLE LOCATION (ROUND 3)
- FOUNDRY SAND SOIL SAMPLE LOCATION (ROUND 4)
- TEST PIT LOCATION
- SOIL SAMPLE LOCATION – FOUNDRY SAND CHARACTERIZATION SAMPLE LOCATIONS

SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014.
C. PLANT LAYOUT (FURNAS/SIEMENS) – PROVIDED BY SIEMENS ENERGY AND AUTOMATION, 2005.

N

0 80'
SCALE

WESTON SOLUTIONS

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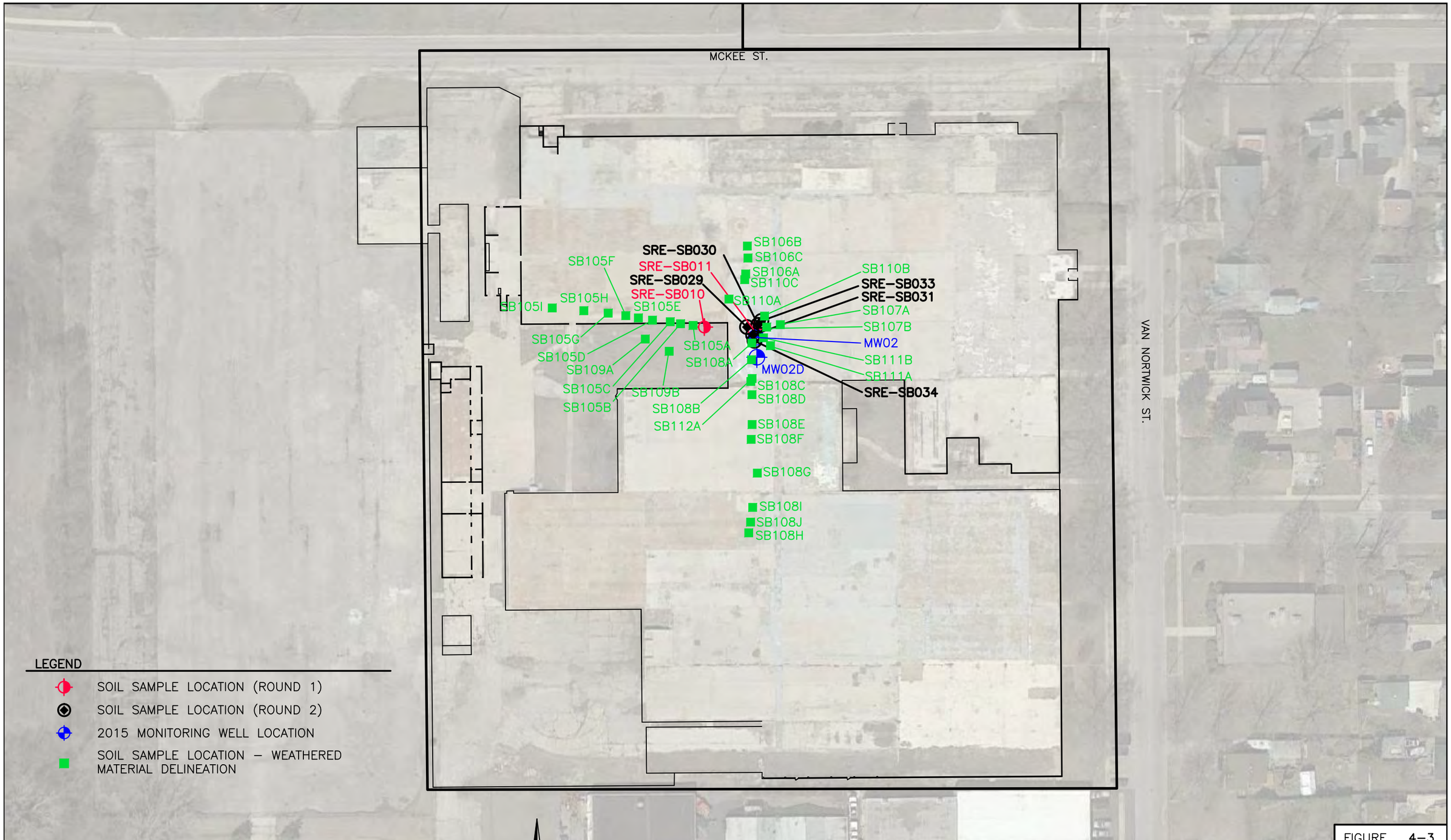
Suite 202
Mundelein, Illinois
60060

FIGURE 4–2

ESTIMATED VOLUME OF FOUNDRY SANDS AND APPROXIMATE AGES
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois



LEGEND

- SOIL SAMPLE LOCATION (ROUND 1)
- SOIL SAMPLE LOCATION (ROUND 2)
- 2015 MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION – WEATHERED MATERIAL DELINEATION

SOURCE:

A. ESRI DIGITIAL GLOBE 2013

B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

-N-

0 80'

SCALE

WESTON SOLUTIONS

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Suite 202
Mundelein, Illinois
60060

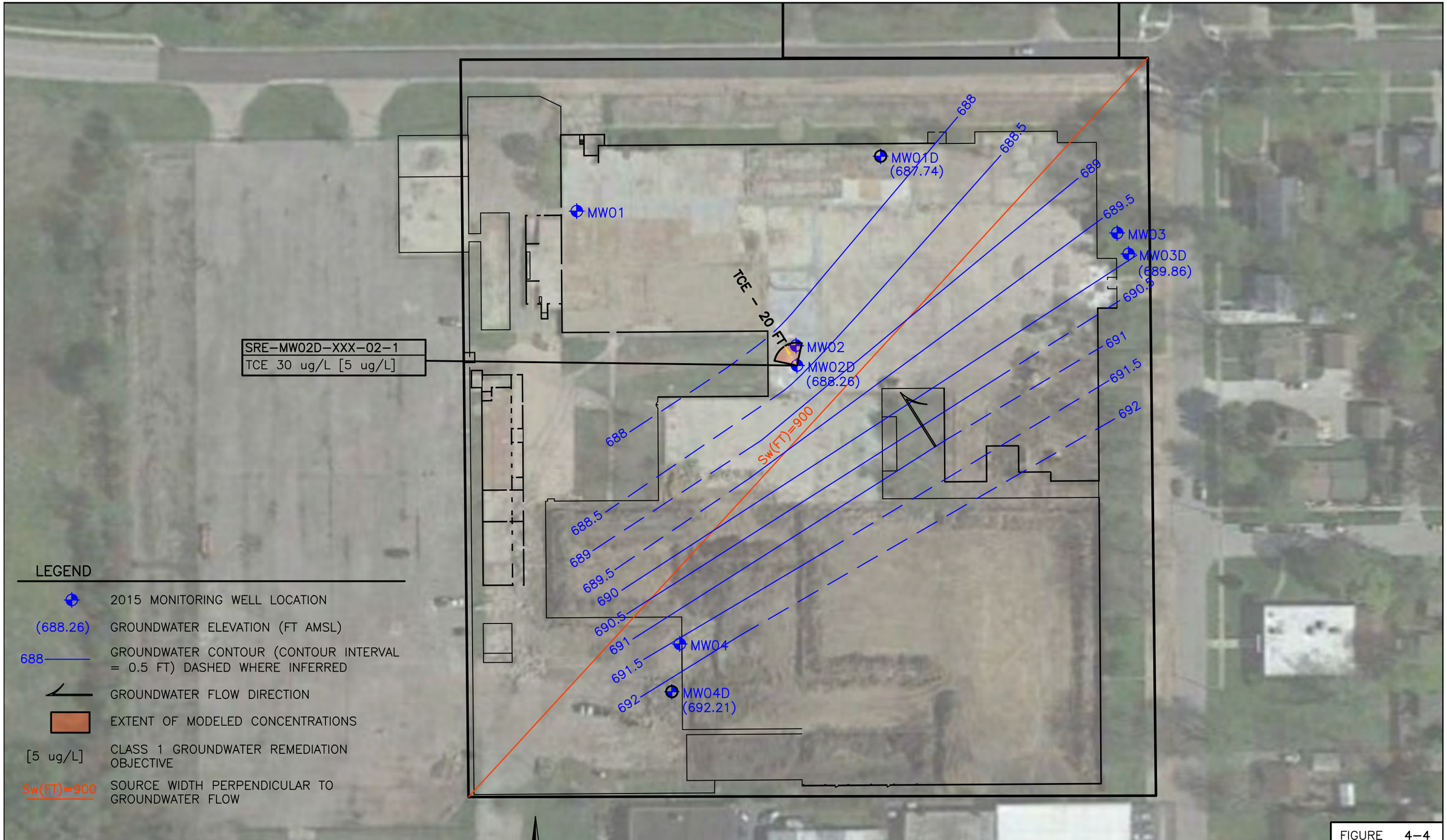
FIGURE 4-3

VISUAL EXTENT OF WEATHERED MATERIAL IN SOIL

FORMER SIEMENS FACILITY

Batavia, Kane County, Illinois

U:\CAD93\000\09114.dwg, 12/1/2015 10:12:00 AM



SOURCE:
A. ESRI DIGITIAL GLOBE 2013
B. FURNAS ELECTRIC COMPANY BUILDING PLAN (NOVEMBER 1967) – PROVIDED BY SIEMENS REAL ESTATE, 2014

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300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

FIGURE 4–4

EXTENT OF MODELED TCE CONCENTRATIONS IN GROUNDWATER
FORMER SIEMENS FACILITY
Batavia, Kane County, Illinois

SECTION 5
CONCLUSIONS AND RECOMMENDATIONS

On 2 July 2013, SI received a Comprehensive NFR letter for the facility from the IEPA for residential use. In 2014, SRE determined that additional investigation was necessary, primarily in the former manufacturing areas, to address potential concerns that developers may have regarding the residential development of the property.

Field work was initiated on 8 January 2015 and completed on 13 November 2015 with the completion of the final sampling event which included the tasks provided in the *Sampling and Analysis Plan* (Appendix B). Based on the analytical results from Round 1, seven additional rounds of sampling were necessary to determine the following:

- Former manufacturing areas. Hotspot Areas SB002, SB007, and SB011 were identified after a 1-acre grid was placed across the former manufacturing areas. Soil sample locations were selected based on historical facility uses, previous sampling, and remediation history.
- Expanded laboratory analyses at soil sampling locations from previous investigations for comprehensive purposes.
- Groundwater sampling of the perched water-bearing unit and deep water-bearing unit.
- Soil gas sampling for constituents present in the soil as provided in 35 IAC Part 742.
- An investigation of the vertical and lateral extent of weathered material observed in soil borings.
- The vertical and lateral extent of constituents identified in a black foundry sand "fill" material.

The following conclusions and recommendations were made based on this comprehensive investigation sampling analytical results.

5.1 CONCLUSIONS

5.1.1 Soil

- Analytical results from soil samples indicated the presence of metals, VOCs, PAHs, and PCBs above the Tier 1 soil remediation objective for residential properties.

- The horizontal and vertical extent of constituents above Tier 1/Tier 2 soil remediation objectives has been determined through chemical analyses at Hotspot Areas SB002, SB007, and SB011.

- Anticipated remedial actions may include soil removal and off-site disposal to eliminate all exposure routes including ingestion and the soil component to the groundwater ingestion exposure route without the use of institutional controls or engineered barriers.

5.1.2 Other Concerns

5.1.2.1 Foundry Sand

- Four fill types were identified at the facility: brown sand, black soil and two types of foundry sand (black sand and black powder).

- Analytical results did not indicate the presence of constituents at concentrations above the most stringent Tier 1 soil remediation objectives for residential properties in the brown sand and black soil.

- Analytical results from the two black foundry sand types indicated the presence of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)flourathene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations above Tier 1 soil remediation objectives for residential properties.

- Foundry sands were typically identified in varying thickness across the facility between 0.0 and 6.0 ft bgs.

- Analytical results from TCLP PAH analyses indicate that PAH constituents do not leach from the material into the surrounding soils or perched groundwater. In addition, TPH analyses of the black foundry sand material did not exceed the natural attenuation capacity.

- Based on the analytical results, Siemens intends to eliminate the soil component of the migration to groundwater exposure routes in accordance with 35 IAC Part 742.925.

- Anticipated remedial actions may include fill removal and off-site disposal to eliminate the ingestion exposure route without the use of institutional controls or engineered barriers.

5.1.2.2 Weathered Material

- A weathered petroleum substance was observed in soil borings at sample depths ranging from 6.0 to 9.0 ft. bgs near the former fuel oil tank area (SB010) and former paint room (SB011). The weathered material is described as a low viscosity “sticky” petroleum-like in odor and color substance present in the soil as streaks of small droplets.

- No constituents were present at concentrations above the most stringent Tier 1 soil remediation objectives for residential properties. In addition, TPH concentrations were not above the natural attenuation capacity of 2,000 mg/kg for subsurface soil.

- Weathered material was also visually observed in shallow monitoring well MW02 adjacent to boring SB011. Analytical results did not indicate the presence of constituents at concentrations above groundwater remediation objectives.

- Weather material was not present in monitoring wells installed in the deep water-bearing unit.

- Based on the analytical results, the weathered material is a potential aesthetic concern but not an active source of contamination for the facility.

5.1.3 Groundwater

Perched Water-Bearing Unit

- Four shallow monitoring wells (MW01 through MW04) were installed in the upper 20.0 ft bgs to intersect wet layers of silty clays or clayey sands found across the facility between 2.0 and 19.0 ft bgs. Following installation, two of the four shallow monitoring wells (MW01 and MW04) did not produce groundwater within the well.

- The perched water-bearing unit is discontinuous.

- The groundwater in the shallow monitoring wells is considered Class II (General Resource Groundwater) since it does not meet the requirements of 35 IAC Section 620.210.

- No constituents were present at concentrations above the Tier 1 Class II groundwater remediation objectives.

- Upon concurrence that the weather material is not an environmental concern, all perched water-bearing zone monitoring wells will be abandoned in accordance with Illinois Department of Public Health 1994 Illinois Water Well Construction Code Section 920.120.

Deep Water-Bearing Unit

- Four deep monitoring wells (MW01D through MW04D) were installed to a depth that allowed the well screen to be placed directly above the encountered bedrock. Deep monitoring wells were installed with 10-ft screens and were placed to intersect wet to saturated sand and silt layers found above the bedrock between 22 and 40 ft. bgs.

- Hydraulic conductivity of the deep water-bearing zone encountered at the facility was calculated by aquifer testing (slug tests) of the four deep monitoring wells. The deep groundwater underlying the facility is considered Class I (Potable Resource Groundwater).

- Analytical results indicated the presence of TCE at a concentration above the Tier 1 Class I groundwater remediation objective in MW02D.

- RBCA Equation R26 predicts that TCE potentially may migrate 20 ft. in the deep water-bearing unit, but will not migrate offsite.

- Potential groundwater remedies may include chemical oxidation or biological treatment.

5.1.4 Soil Gas

- Analytical results from soil gas samples indicated no constituents were present above the Tier 1 Indoor Inhalation Exposure Route for residential properties provided in 35 IAC Part 742, Appendix B, Table H.

- Analytical results indicated concentrations of chlorobenzene, ethylbenzene, m,p-xylene, naphthalene, vinyl chloride and total xylenes concentrations above the Tier 2 Indoor Air Remediation Objectives for residential properties calculated using J&E1 and J&E2 equations provided in 35 IAC, Part 742, Appendix C, Table L.

- As an alternative Tier 2 evaluation, J&E 4 was used to determine a site specific soil gas remediation objective. Based on this Tier 2 evaluation, ethylbenzene, naphthalene, vinyl chloride and total xylenes were present at concentrations above the J&E 4 remediation values at SG001. Vinyl chloride was present at concentrations above the J&E 4 remediation values at locations SG003 and SG003RE.

- Anticipated remedial actions may include fill removal and off-site disposal to eliminate the ingestion exposure route without the use of institutional controls or engineered barriers.

5.2 RECOMMENDATIONS

- The anticipated remedy for the soil in the SB002, SB007 and SB011 hotspot areas will be excavation and off-site disposal.

- The anticipated remedy for the black foundry sands will be excavation and off-site disposal.

- No remedial action is planned for the weathered material observed at the facility.

- The anticipated remedy for the deep water-bearing unit may include chemical oxidation or biological treatment.

- The anticipated remedy for soil surrounding the soil gas sampling locations with elevated constituents of concern will be excavation and off-site disposal.

On IEPA approval of this report, SRE will prepare and submit a Remedial Action Plan.

APPENDIX A
Water Well Search

ILLINOIS STATE
GEOLOGICAL SURVEY
PRAIRIE RESEARCH INSTITUTE

Wells within 1000 ft

Printed:Nov 23, 2015

Information and data presented were obtained from various Federal, State, and local agencies and are subject to revision.

Former Siemens Facility

Legend

- County lines
- State line
- ISGS Wells
- Non-CWS Wells
- CWS Phase II Wellhead Protection Area
- CWS Phase I Wellhead Protection Area
- CWS Minimum Set Back Zone
- CWS Wells
  - Active
  - Abandoned
  - Inactive
  - Planned
- Chicago Area DOQ

ILLINOIS STATE GEOLOGICAL SURVEY

Industrial Water Well	Top	Bottom
overburden	0	40
rock formation	40	580
sandstone	580	620
Total Depth		**620**

Casing: 8" BLACK 29# from 0' to 40'
6" BLACK 19# from 123' to 270'

Size hole below casing: 6"

Water from sandstone at 210' to 620'.
Static level 210' below casing top which is 1' above GL
Pumping level 399' when pumping at 165 gpm for 4 hours

Driller's Log filed
Sample set # 57773 (40' - 620') Received: January 14, 1972

Owner Address: 1000 McKee St. Batavia, IL
Location source: Field verified

Permit Date: November 17, 1971 **Permit #:** 15477

COMPANY Knierim Company, Inc.
FARM Furnas Electric Co.
DATE DRILLED November 20, 1971 **NO.** 2
ELEVATION 0 **COUNTY NO.** 01292
LOCATION 1400'N line, 650'E line of section
LATITUDE 41.850623 **LONGITUDE** -88.323412
COUNTY Kane **API** 120890129200 **21 - 39N - 8E**

ILLINOIS STATE GEOLOGICAL SURVEY

Private Water Well	Top	Bottom
glacial drift	0	46
overburden to lime (rock)	46	80
Total Depth		**80**

Casing: 5" 15# BLACK from 0' to 46'

Size hole below casing: 5"

Water from lime at 0' to 80'.
Static level 10' below casing top which is 2' above GL

Driller's Log filed

Owner Address: Batavia, IL
Location source: Location from permit

Permit Date: March 28, 1972 **Permit #:** 16996

COMPANY K & K Well Drilling
FARM Johnson, Francis
DATE DRILLED May 1, 1972 **NO.**
ELEVATION 0 **COUNTY NO.** 01837
LOCATION SW NE NE
LATITUDE 41.851726 **LONGITUDE** -88.324617
COUNTY Kane **API** 120890183700 **21 - 39N - 8E**

APPENDIX B
Sampling and Analysis Plan

APPENDIX B
SITE SPECIFIC SAMPLING PLAN

The sampling plan for the comprehensive site investigation consisted of the collection and analysis of surface and subsurface soil samples, groundwater and soil gas samples. This section provides the information required by 35 IAC 740.425(b)(3). The overall objectives for sampling were to address potential future concerns that developers may have concerning the development of the property.

All soil and groundwater samples were analyzed by TestAmerica Laboratories (TestAmerica), in University Park, Illinois (NELAP Accreditation No. 100201). Soil gas samples were analyzed by TestAmerica of Knoxville, TN (NELAP Accreditation No. 10781) for volatile organic compounds (VOCs) and TestAmerica of Phoenix, AZ (IHLAP Accreditation No. 154268) for polychlorinated biphenyls (PCBs). In accordance with the Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP) Analytical Quality Assurance Program (AQAP), all samples were analyzed to meet the requirements of a Level II data package and validated in accordance with the U.S. EPA Contract Laboratory Program national functional guidelines for organic data review.

B.1 SAMPLING METHODOLOGIES

B.1.1 Soil Samples

A 1-acre grid was placed across the entire facility. Soil sample locations for Round 1 of the investigation were selected based on historical facility uses, previous sampling, and remediation history. Sample locations are presented on Figure 2-1. Sample locations and analyses for subsequent rounds of investigation (Rounds 2-8) were determined by the Round 1 soil sampling analytical results.

All soil borings unless noted in Section 2.1 were continuously sampled using a truck-mounted drill rig or Geoprobe® sampling device using the following procedures:

- The working end of the truck-mounted drill rig or Geoprobe® and all drilling equipment, tools, and materials were decontaminated with a pressurized steam cleaner prior to the

beginning. Provisions were made to keep equipment, tools, and materials from coming into contact with surface soil during drilling operations.

- The soil borings were advanced to the established sampling depths.
- Samples were collected at each boring location with disposable macro-core liner samplers.
- Soil samples being analyzed for VOCs were collected with Terracore samplers provided by the laboratory.

Soil from each soil sampling interval was screened using a photoionization detector (PID) in accordance with the following protocols:

- Upon opening the split spoon or disposable macro-core liner, a representative sample was placed into a plastic bag.
- The sample was allowed to equalize to room temperature (approximately 70F). If outside ambient temperature is 40F or less, the sample was allowed to equilibrate for a minimum of 15 minutes.
- The sample was shaken for a minimum of 30 seconds.
- The probe of the PID was then inserted through the plastic bag to a point halfway between the opening and the sample. The peak instrument reading was then recorded.

To ensure proper operation, the field screening instrument was calibrated each morning prior to use according to the manufacturer's specifications. Response of the unit was routinely monitored for aberrant behavior that may suggest operational malfunction.

Subsurface soil samples were collected on a continual basis using disposable macro-core liner samplers or hand auger. Each soil sampling interval was described by a qualified WESTON geologist using the Unified Soil Classification System (USCS). All soil descriptions were recorded onto a WESTON boring log to create a detailed record of the lithology and potential contaminant characteristics of each boring. Descriptions were provided of any fill materials, odors, discoloration, or staining suggesting the presence of contamination. Field screening results were recorded onto the log. Copies of the soil boring logs are provided in Appendix D.

B.1.2 Groundwater Samples

Shallow and deep monitoring wells were constructed of 2-inch diameter flush-threaded polyvinyl chloride (PVC) riser pipe and 0.010-inch slotted screen. A 10-ft or 15-ft screen was used for

well construction and was located in such a manner as to straddle the inferred water table. A silica sand pack was placed in the borehole annulus around the well screen to a height of 2 ft above the top of the screen. The remainder of the borehole annulus was filled with a bentonite pellet/chips seal placed directly above the sand pack. Appendix D provides the monitoring well construction diagrams.

The monitoring wells were developed approximately 24 hours after installation. Monitoring well development was conducted using a submersible pump or dedicated bailer. During the development process, the well was purged of a minimum of five well volumes of groundwater. Purged groundwater generated during monitoring well development, as well as sampling activities, was containerized in 55-gallon drums.

In order to obtain samples that were representative of aquifer conditions, groundwater samples were obtained using low-flow purging and sampling techniques. Groundwater samples were collected using a submersible pump and dedicated tubing. Each well was purged at a rate between 100 and 400 milliliters per minute (mL/min) using a bladder pump until field parameters indicated groundwater conditions to be stable. Field measurements (specific conductance, pH, temperature, and turbidity) were obtained at 5-minute intervals. Field parameters were measured using a Yellow Springs Instruments (YSI) water quality monitoring system and portable Hanna turbidimeter calibrated daily. Groundwater sampling commenced once stabilization was achieved for three consecutive readings, pH (± 0.1 standard units), specific conductance (± 3 %), temperature (± 3%), turbidity (± 10% for values greater than 10 nephelometric turbidity unit [NTU]).). Appendix F provides the monitoring well development and groundwater sampling field forms.

B.1.3 Soil Gas Samples

Eight soil gas samples were collected based on Round 1 soil analytical results. An offset boring was advanced adjacent to the original boring location and a soil gas collection probe was installed in the offset boring in the vadose zone greater than 3 ft. bgs at the depth. The soil gas sampling procedures are described below.

- The soil vapor collection probe consisted of the Geoprobe® post run tubing (PRT) system (or equivalent). This system is composed of probe rods, a PRT expendable point holder, a PRT adapter, and 1/8-inch PRT Teflon® tubing, or similar.
- The direct push rods were grouted at the surface with hydrated bentonite to prevent the exchange of atmospheric air. Three volumes of air were purged from the system following installation. One volume is equivalent to the volume of air in the sample tubing. Flow during purge procedures was limited to 200 milliliters (ml) per minute or less. Purging allows for removal of any stagnant gas that may have collected in the tubing during probe installation. A PID was used to monitor for parameter stabilization during purging.
- A helium tracer hood was used to verify that the soil gas collection system is free of any leaks entering from the surface. The helium tracer hood consisted of a plastic container placed over the soil gas collection point. Prior to soil gas sample collection, helium gas was introduced into the hood. As the soil gas sample was collected, an MGD Helium meter was connected to the soil gas collection system at an in-line point in line just before the Summa canister to detect any leakage of gas through the borehole zone.
- After purging and stabilization, grab soil gas samples were collected using a 6-liter Summa canister for VOC analysis and PUF cartridges for PCB analysis in accordance with EPA Standard Operating Procedures (SOP) 1704 and 2042.

B.2 ANALYTICAL PARAMETERS

B.2.1 Soil Samples

A total of 136 soil samples (including 10 duplicates) were collected from 64 boring locations across the former facility throughout the investigation. These locations were selected based on the historic uses of the facility, analytical sampling results, and the site remediation history. All soil sampling locations are presented on Figure 2-2. Table 2-1 provides a detailed sampling purpose and analytical parameters per sample location.

B.2.2 Groundwater Samples

A total of nine groundwater samples (including three duplicates) were analyzed for the full target compound list (TCL) provided in 35 IAC Part 740 Appendix A. Specifically, groundwater samples were analyzed for VOCs, semivolatile organic compounds (SVOCs), pesticides/ PCBs, total and dissolved metals, and cyanide. One additional groundwater sample was collected for trichloroethylene (TCE) only. Field measurements of pH, specific conductance, temperature, and turbidity were measured during purging using field meters calibrated daily. Monitoring well locations are presented on Figure 2-3.

B.2.3 Soil Gas Samples

A total of eight soil gas samples (including one duplicate) were analyzed for PCBs by Method TO-10A and/or selected VOCs and SVOCs by Method TO-15A based on the maximum detected concentration of parameters provided in 35 IAC Part 742 Appendix A, Table J. Specifically, VOC and SVOC soil gas samples were analyzed for 2-methylnaphthalene, acetone, chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, methylene chloride, naphthalene, vinyl chloride, and total xylenes. Soil gas sample locations are presented on Figure 2-5.

B.3 INVESTIGATIVE DERIVED WASTES

The field activities generated concrete and soil cuttings and decontamination and purge water investigative derived waste (IDW). The IDW generated during the investigation was analyzed for disposal characteristics by the disposal subcontractor following all sampling activities. IDW analytical results were compared to the hazardous waste criteria outlined in Title 40 of the *Code of Federal Regulations* (40 CFR), Part 261, Subpart C, to determine if the samples represent materials considered hazardous waste.

IDW was containerized in Department of Transportation approved 55-gallon drums and staged at a secure location onsite. The IDW soil cuttings and water will be transported to a nearby landfill for disposal following receipt of analytical results.

B.4 FIELD QA/QC SAMPLES

B.4.1 Field Duplicates

Field duplicate samples collected at a frequency of one duplicate for every 10 investigative samples collected. Field duplicate samples were treated as separate samples throughout the sample handling and analytical process. These samples were used to assess total (sampling plus analytical) precision. The field duplicates were analyzed for the compounds discussed in Subsections 1.2, 1.3 and 1.4.

B.4.2 Matrix Spike/Matrix Spike Duplicates

Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples were collected at a frequency of one for every 20 investigative samples. Extra volume was collected at the time of sample collection for MS/MSD samples and was treated as the investigative sample throughout the sample handling and analytical process. These samples were used to assess analytical precision. The MS/MSD samples were analyzed for the compounds discussed in Subsection 1.2 and 1.3.

B.4.3 Trip Blanks

The laboratory prepared a trip blank consisting of ultrapure water stored in two 40-milliliter glass sample containers with Teflon-lined septum caps. The trip blank was preserved to a pH of 2 with hydrochloric acid prior to leaving the laboratory. The trip blank accompanied all sample containers for the duration of the sampling event. The trip blank was analyzed for VOCs.

B.5 DECONTAMINATION PROCEDURES

All nondedicated sampling equipment was decontaminated prior to sampling activities and between sampling locations. The decontamination procedure for all nondedicated sampling equipment (including split-spoons) is as follows:

- Wash and scrub equipment with tap water to remove visible residue.
- Wash equipment with tap water and nonfoaming, nonphosphate detergent.
- Rinse equipment with deionized distilled water.
- Allow equipment to air dry.

All wash and rinsewater was containerized in a 55-gallon drum.

B.6 SAMPLE PACKAGING AND SHIPMENT

Sample packaging and shipping procedures were based on U.S. EPA specifications, state and federal Department of Transportation regulations, and the International Air Transport Association Dangerous Goods regulations. The procedures varied according to sample concentrations, type of potential contaminant hazards, and matrix. Generally, the samples were picked-up by the laboratory after each day of sampling. The sample container exteriors were cleaned thoroughly and sealed properly in preparation of shipment.

APPENDIX C
Photolog

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
1	1/9/15

Direction Photo Taken:

Southwest

Description:

Cabeno Environmental Field Services, LLC advancing a soil boring at SRE-SB008.

Photo No.	Date:
2	1/9/15

Direction Photo Taken:

Down

Description:

Soil boring from 0 to 20 feet below ground surface obtained from location SRE-SB015.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
3	1/8/15

Direction Photo Taken:

Northwest

Description:

Cabeno Environmental Field Services, LLC. advancing a soil boring at SRE-SB018.

Photo No.	Date:
4	1/8/15

Direction Photo Taken:

Down

Description:

Soil boring from 0 to15 feet below ground surface obtained from location SRE-SB011.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
5	1/8/15

Direction Photo Taken:

Down

Description:

Close-up view of the 10-12 foot below ground surface soil boring interval obtained from location SRE-SB011. Hydrocarbon odor, staining, and sheen were observed.

Photo No.	Date:
6	1/9/15

Direction Photo Taken:

North-northeast

Description:

55-gallon drum containing soil investigation-derived waste located in the north region of the Site.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
7	3/9/15

Direction Photo Taken:

North

Description:

SRE-SB007 and step out locations SRE-SB026, SRE-SB027 and SRE-SB028 prior to drilling.

Photo No.	Date:
8	3/9/15

Direction Photo Taken:

Southeast

Description:

SRE-SB007 and step out location SRE-SB026.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
9	3/9/15

Direction Photo Taken:

South

Description:

Soil boring from 5 to12 feet below ground surface obtained from location SRE-SB029 (step out of SRE-SB011).

Photo No.	Date:
10	3/9/15

Direction Photo Taken:

South

Description:

Close up of SRE-SB029.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
11	3/9/15

Direction Photo Taken:

South

Description:

Soil boring from 0 to 12 feet below ground surface obtained from locations SRE-SB030 (step out of SRE-SB011).

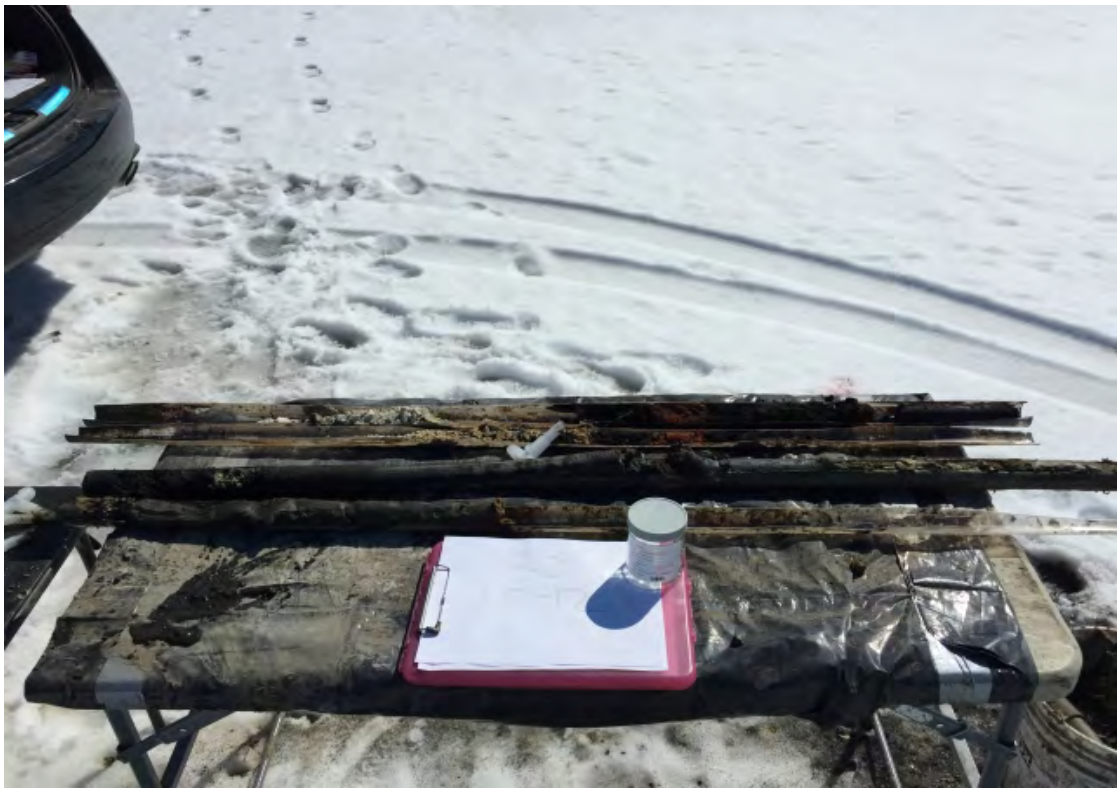


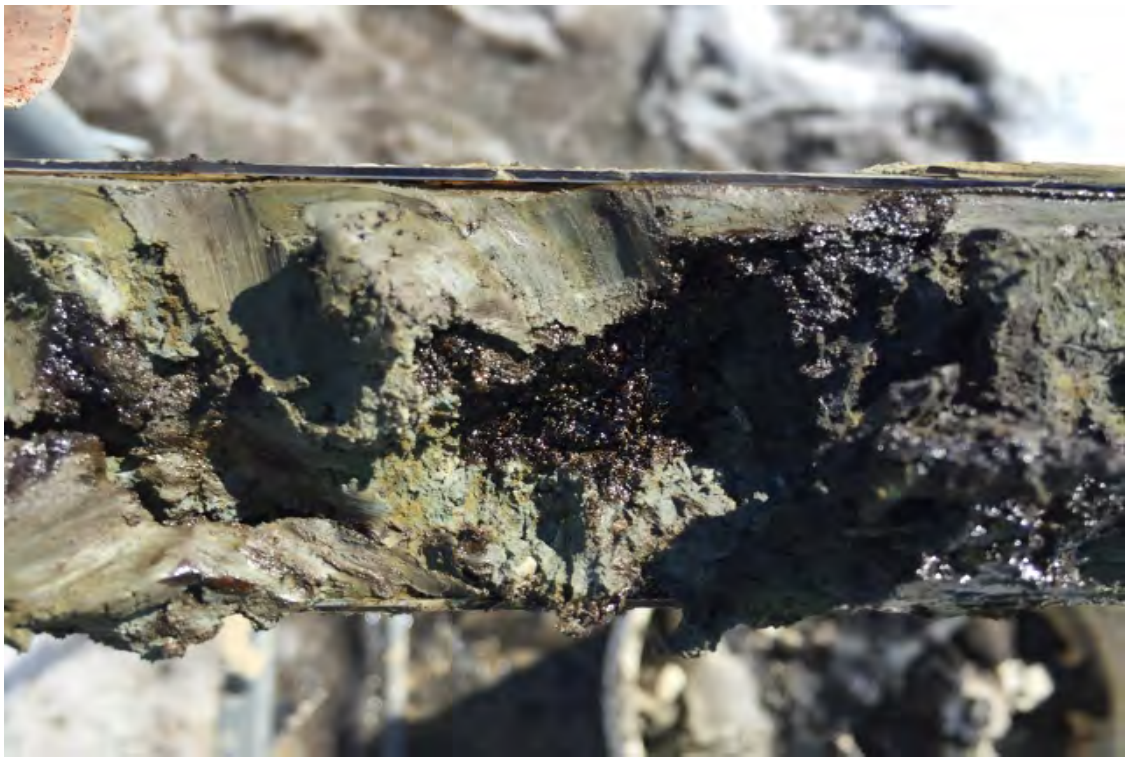
Photo No.	Date:
12	3/9/15

Direction Photo Taken:

Down

Description:

Visual of weathered material observed in soil boring SRE-SB031 (step out of SRE-SB011).



PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
13	3/9/15

Direction Photo Taken:

West

Description:

SRE-SB011 and step out boring locations SRE-SB029 through SRE-SB034.

Photo No.	Date:
14	3/10/15

Direction Photo Taken:

South

Description:

SRE-SB002 and step out boring locations SRE-SB020 through SRE-SB025.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
15	3/10/15

Direction Photo Taken:

Down

Description:

Soil boring from 0 to 8 feet below ground surface obtained from location SRE-SB020 (step out of SRE-SB002).

Photo No.	Date:
16	4/10/15

Direction Photo Taken:

West

Description:

Cabeno drilling during Round 3 of delineation sampling surrounding SRE-SB011.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
17	4/10/15

Direction Photo Taken:

Down

Description:

Close up of representative slag fragments observed in foundry sands. Boring from SRE-SB011 step outs.

Photo No.	Date:
18	4/10/15

Direction Photo Taken:

Down

Description:

Black foundry sands with brick fragments observed in Round 3 delineation boring surrounding SRE-SB011.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
19	4/10/15

Direction Photo Taken:

North

Description:

Close up of black foundry sands.

Photo No.	Date:
20	4/10/15

Direction Photo Taken:

South

Description:

Weathered material staining observed in step out boring adjacent to SRE-SB011.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
21	4/10/15

Direction Photo Taken:

South

Description:

Weathered material staining observed in step out boring adjacent to SRE-SB011.

Photo No.	Date:
22	5/13/15

Direction Photo Taken:

East

Description:

Visual of brown sand and black foundry sands observed on southern side of the facility, near SRE-SB014.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
23	7/21/2015

Direction Photo Taken:

West

Description:

Weathered material observed in MW02 boring, adjacent to SRE-SB011.

Photo No.	Date:
24	7/21/15

Direction Photo Taken:

South

Description:

Foundry sands observed in MW02 boring adjacent to SRE-SB011.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
25	7/21/15

Direction Photo Taken:

Down

Description:

Close up of weathered material observed in MW02 boring.

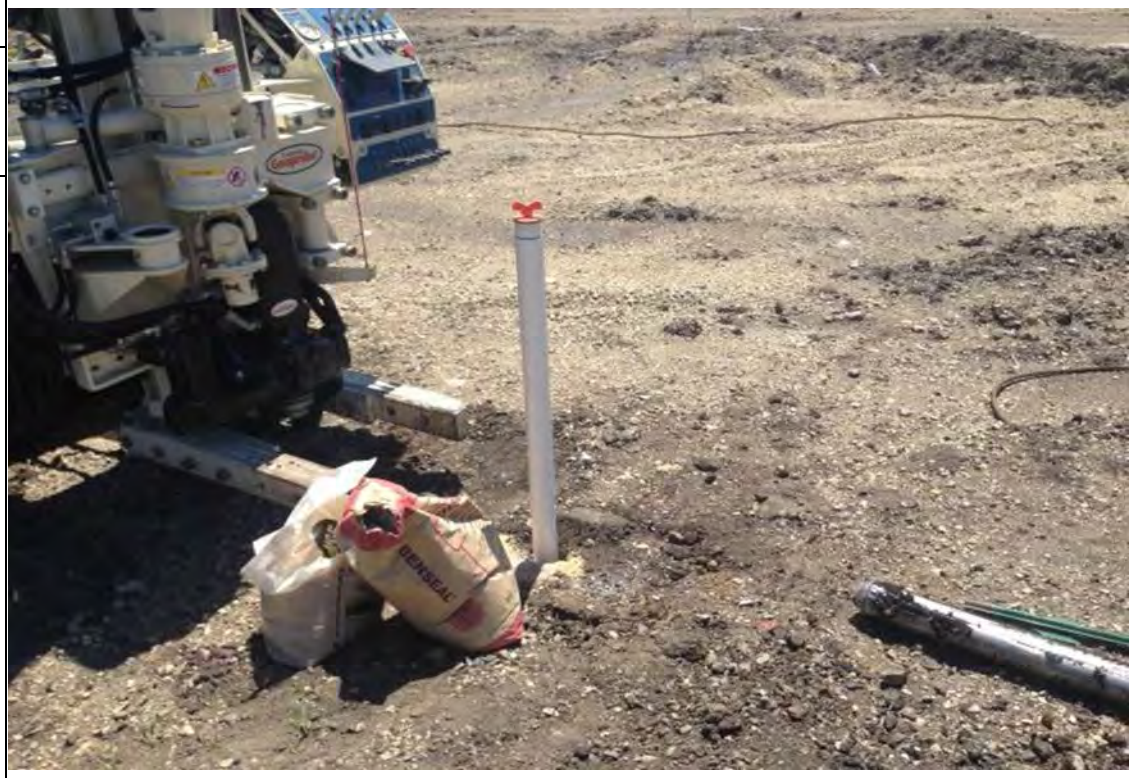
Photo No.	Date:
26	7/21/15

Direction Photo Taken:

South

Description:

Shallow monitoring well MW02 adjacent to SRE-SB011.



PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
27	7/22/15

Direction Photo Taken:

Down

Description:

Broken cobble at refusal depth of 19.75 ft. in MW01C boring adjacent to SRE-SB002.

Photo No.	Date:
28	7/22/15

Direction Photo Taken:

Northeast

Description:

Collection of Soil Gas investigative and duplicate samples using 6.0 liter summa canisters at SRE-SG006.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
29	7/22/15

Direction Photo Taken:

Down

Description:

Use of a splitter for collection investigative and duplicate soil gas samples at SRE-SG006.

Photo No.	Date:
30	7/22/15

Direction Photo Taken:

Northeast

Description:

Flow Controllers used while collecting soil gas samples at SRE-SG006.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
31	7/22/15

Direction Photo Taken:

East

Description:

Pumps set up for investigative and duplicate soil gas sample collection at SRE-SG006.

Photo No.	Date:
32	7/22/15

Direction Photo Taken:

South

Description:

Pump connected to PUF sampler for soil gas sample at SRE-SG004.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
33	7/22/15

Direction Photo Taken:

Down

Description:

Soil gas screen.

Photo No.	Date:
34	7/22/15

Direction Photo Taken:

East

Description:

Hood with helium gas tracer set up.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.:
Former Siemens Facility	Batavia, Kane County, IL	15360.001.003

Photo No.	Date:
35	10/1/15

Direction Photo Taken:

East

Description:

Weathered material on bailer located in MW02.

Photo No.	Date:
36	05/04/15

Direction Photo Taken:

South

Description:

Test Pit 1 showing brown sand and black foundry sands.

APPENDIX D
Soil Boring Logs

Boring SRE-SB001

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851971311
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323403191
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BETX, PAHs, TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	CL		CLAY - dark brown, moist/frozen, medium-firm, medium-plasticity, trace rootlets	X		0.0	Soil sample SRE-SB001-000-1 collected from 0-2 ft bgs
2					37/60	0.1	
			As above - olive brown, dry				
4	SC		CLAYEY SAND - tan, moist, medium-soft, low plasticity, fine-grained sand			0.0	
6						0.0	
	CL		CLAY - tan, dry, firm, medium-plasticity		35/60		
8						0.0	
10			As above - gray, trace gravel (coarse-grained, angular)			0.0	
12					60/60	0.0	
14				X	10/12	0.0	Soil sample SRE-SB001-014-1 collected from 14-16 ft bgs
16			End of boring at 16.0 ft bgs				
18							
20							

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Boring SRE-SB002

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 10")
Sampling Method	: Geoprobe	Latitude	: 41.851743353
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323640883
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Metals, TCL Pesticides, TCL PCBs, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1		Concrete (10")				
1	FL/ML	FILL - Sandy Silt - black and gray, soft, dry, fine- to coarse-grained sand, well graded	X	32/60	0.4	Soil sample SRE-SB002-000-1 collected from 0-2 ft bgs
3					0.2	
5	SW	SAND - tan, moist, medium-tight, fine- to coarse-grained, well graded			0.1	
7	CL	CLAY - gray, dry, firm, trace gravel (fine-grained, subangular), medium-plasticity		47/60	0.1	
9	CL	CLAY - tan, moist, medium-soft, medium-plasticity			0.0	
11					0.0	
13		As above - dry, very firm		53/60	0.0	
15			■	12/12	0.1	Soil sample SRE-SB002-014-1 collected from 14-16 ft bgs
17		End of boring at 16.0 ft bgs				
19						

Boring SRE-SB003

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851632314
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323918490
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Metals, TCL Pesticides, TCL PCBs, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/ML		FILL - Gravelly Silt - Black and gray, medium-soft, dry, gravel is medium-grained, poorly graded	X		3.2	Soil sample SRE-SB003-000-1 collected from 0-2 ft bgs
	CL		CLAY - olive gray, dry, medium-firm, medium-plasticity, little sand (fine-grained), faint odor at 1.5 ft bgs		43/60		
3						0.6	
			As above - tan, no odor				
5						0.3	
7					55/60	0.2	
9						0.1	
	CL		CLAY - tan, dry, medium-soft, medium-plasticity, some gravel (fine-grained, subangular), little sand (fine-grained)				
11						0.1	
			As above - gray, very firm, little gravel		58/60		
13						0.1	
15				X	10/12	0.2	Soil sample SRE-SB003-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB004

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851952951
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323074799
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	CL		CLAY - black and light brown, firm/frozen, medium-plasticity, little silt	X		0.0	Soil sample SRE-SB004-000-1 collected from 0-2 ft bgs
2	CL		CLAY - black, medium-soft, moist, medium-plasticity		20/60	0.0	
4	CL		CLAY - olive brown, medium-firm, dry to moist, medium-plasticity			0.0	
6	CL				49/60	0.0	
8	CL		SILTY CLAY - tan, moist, soft, low plasticity			0.0	
10	CL		CLAY - gray, firm, dry, little gravel (fine-grained, subangular), medium-plasticity			0.0	
12	CL				42/60	0.0	
14	CL		As above - damp	X	7/12	0.0	Soil sample SRE-SB004-014-1 collected from 14-16 ft bgs
16			End of boring at 16.0 ft bgs				
18							
20							

Boring SRE-SB005

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851912322
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322872502
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SP		FILL - Silty Sand with Gravel - light brown, gray, and dark brown, dry, loose, poorly graded, fine-grained gravel, subrounded	X		0.1	Soil sample SRE-SB005-000-1 collected from 0-2 ft bgs
	ML		SILT - dark brown, firm, dry, little sand (medium-grained)		41/60		
3						0.1	
			CLAY - dark brown, moist, medium-firm, medium-plasticity				
5						0.0	
			As above - tan, medium-soft				
7	CL					0.0	
					42/60		
			As above - dry				
9						0.0	
11						0.1	
			CLAY - gray, dry, medium-firm, medium-plasticity, little gravel (fine-grained, subrounded)				
					50/60		
13	CL					0.0	
15				X		0.0	Soil sample SRE-SB005-014-1 collected from 14-16 ft bgs
					11/12		
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB006

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851903149
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322064648
Weston Geoscientist	: Dave Sena		
Total Depth	: 5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Metals, TCL Pesticides, TCL PCBs, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1			Concrete				
1	FL/ML		FILL - Sandy Silt - light brown, dry, medium-soft, little gravel (fine-grained, subangular, poorly graded)		41/60	0.1	Soil samples SRE-SB006-000-1 and SRE-SB006-000-2 collected from 0-2 ft bgs
3	CL		CLAY - tan, dry to moist, firm, medium-plasticity, little sand (coarse-grained)			0.0	
5			End of boring at 5.0 ft bgs				
7							
9							
11							
13							
15							
17							
19							

Boring SRE-SB007

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851375789
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323865319
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL PCBs, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SM		FILL - Silty Sand - light gray and brown, dry, loose, medium-grained, poorly graded, little gravel (fine-grained, subangular)	X		0.3	Soil sample SRE-SB007-000-1 collected from 0-2 ft bgs
2	CL		CLAY - dark gray, medium-firm, dry, medium-plasticity		23/60	0.3	
4	CL		CLAY - gray, dry, medium-firm, medium-plasticity, little gravel (medium- to coarse-grained, subangular)			0.2	
6					50/60	0.0	
8			As above - gray and tan			0.4	
10			As above - damp, medium-soft			0.1	
12					59/60	0.1	
14	CL		CLAY - gray, dry to moist, very firm, medium-plasticity	X	12/12	0.3	Soil sample SRE-SB007-014-1 collected from 14-16 ft bgs
16			End of boring at 16.0 ft bgs				
18							
20							

Boring SRE-SB008

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851175038
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323881893
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL SVOCs, TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SM		FILL - Silty Sand - tan and light gray, dry, loose, poorly graded, fine- to coarse-grained			0.8	Soil sample SRE-SB008-000-1 collected from 0-2 ft bgs
	ML		CLAY - black, medium-firm, dry, medium-plasticity, organic odor		43/60	2.9	Soil sample SRE-SB008-002-1 collected from 2-4 ft bgs
3							
5	CL		CLAY - gray and tan, dry, medium-firm, medium-plasticity			1.6	
7					49/60	0.1	Soil sample SRE-SB008-006-1 collected from 6-8 ft bgs
9	CL		CLAY - gray, moist, medium-soft, medium-plasticity, some gravel (medium-grained, subangular)			0.0	
			As above - very firm, trace gravel				
11						0.0	
			As above - no gravel		53/60		
13						0.0	
15					10/12	0.0	
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB009

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851209773
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323420515
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	ML		GRAVELLY SILT - light brown, dry, medium-firm, medium-grained gravel, angular, poorly graded			0.2	Soil sample SRE-SB009-000-1 collected from 0-2 ft bgs
2	CL		CLAY - dark brown, moist, medium-soft, some gravel (fine- to coarse-grained, angular), medium-plasticity		52/60	0.1	
4						0.0	
6	CL		CLAY - dark gray, dry, medium-firm, medium-plasticity		36/60	0.0	
8						0.0	
10						0.1	
12	CL		CLAY - gray, moist to damp, medium-soft, medium-plasticity, little gravel (fine-grained, subangular)		53/60	0.0	
14	CL		CLAY - gray, dry, very firm, medium-plasticity		12/12	0.0	Soil sample SRE-SB009-014-1 collected from 14-16 ft bgs
16			End of boring at 16.0 ft bgs				
18							
20							

Boring SRE-SB010

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851473312
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323111531
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BETX, PAHs, TCL Metals
Cyanide, pH, Moisture
Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/GP		FILL - Silty Gravel - light gray, dry, loose, medium- to coarse-grained, poorly graded, subangular, little sand (medium-grained)			0.0	Soil sample SRE-SB010-000-1 collected from 0-2 ft bgs
			CLAY - dark brown, firm, dry, medium-plasticity, little silt		41/60		
3	CL					0.0	
5						14.8	
			CLAY - olive-gray, firm, dry, medium-plasticity, odor and staining				
7	CL				60/60	18.3	Soil sample SRE-SB010-006-1 collected from 6-8 ft bgs
9			CLAY - tan, dry to moist, medium-soft, medium-plasticity, little gravel (medium-grained, angular)			0.6	Soil sample SRE-SB010-010-1 collected from 8-10 ft bgs
11	CL		As above - moist to damp			0.5	
13					60/60	0.6	
15	CL		CLAYEY GRAVEL - gray, wet, medium-soft, low plasticity, medium-grained gravel, subrounded		8/12	0.1	
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB011

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851468118
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322954676
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BETX, PAHs, TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1			Concrete				
1	FL/SM		FILL - Silty Sand with Gravel - light gray, loose, dry, poorly graded, fine-grained gravel, subangular	X		0.2	Soil sample SRE-SB011-000-1 collected from 0-2 ft bgs
3	ML		CLAY - black, dry, soft, medium-plasticity, some sand (fine-grained)		35/60	0.2	
5	CL		CLAY - black and gray, dry, firm, medium-plasticity			6.8	
7			As above - odor, staining, and sheen starting at 7.5 ft bgs		49/60	10.7	
9						0.6	
11	CL		SANDY CLAY - gray and black, moist to damp, low plasticity, soft, odor, staining, and sheen	X		13.3	Soil sample SRE-SB011-010-1 collected from 10-12 ft bgs
13	CL		CLAY - gray, dry, firm, medium-plasticity, little gravel (fine- grained, subrounded)		58/60	5.7	
15				X	11/12	0.2	Soil sample SRE-SB011-014-1 collected from 12-14 ft bgs
17			End of boring at 16.0 ft bgs				
19							

Boring SRE-SB012

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851206229
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322383807
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Metals, TCL Pesticides, TCL PCBs, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/ML		FILL - Sandy Silt - light brown, dry, soft, poorly graded, some gravel (fine-grained, subrounded)			0.2	Soil samples SRE-SB012-000-1 and SRE-SB012-000-2 collected from 0-2 ft bgs
			SILT - dark brown, dry, firm, little sand (fine-grained)		31/60		
3	ML					0.4	
5			CLAY - dark brown, dry, firm, medium-plasticity			0.5	
7			As above - tan, little gravel (fine-grained, subrounded), trace sand (coarse-grained)		60/60	0.3	
9						0.2	
11	CL					0.1	
					59/60		
13						0.1	
15					12/12	0.1	Soil sample SRE-SB012-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB013

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851337454
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.321966987
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BETX, PAHs, TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/ML		FILL - Gravelly Silt - dark brown and gray, medium-firm, gravel is fine-grained, subangular, poorly graded	X		0.2	Soil sample SRE-SB013-000-1 collected from 0-2 ft bgs
					46/60		
3	CL		CLAY - tan, dry, firm, medium-plasticity, little sand (coarse- grained), little gravel (fine-grained, subangular)			0.2	
5						0.3	
7						0.3	
					60/60		
9						0.1	
11			As above - no sand, trace gravel (fine-grained, subangular)			0.1	
					60/60		
13						0.0	
15				X	12/12	0.0	Soil sample SRE-SB013-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB014

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850745990
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323320938
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Pesticides, TCL PCBs, TCL Metals, Cyanide, pH, Moisture, Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GP		Concrete				
1			FILL - Gravel - gray, dry, loose, fine- to medium-grained, angular, poorly graded, little sand (coarse-grained), little silt	X		0.3	Soil sample SRE-SB014-000-1 collected from 0-2 ft bgs
			CLAY - gray and tan, moist, medium-firm, medium-plasticity		36/60		
3						0.1	
			As above - tan				
5						0.1	
			As above - little gravel (medium- to coarse-grained, subangular)				
7						0.0	
	CL				59/60		
			As above - very firm, dry, no gravel				
9						0.0	
11						0.0	
					60/60		
13						0.1	
15				X		0.0	Soil sample SRE-SB014-014-1 collected from 14-16 ft bgs
	SP		SAND - tan, moist, fine- to medium-grained, poorly graded, medium-tight		9/12		
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB015

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850814567
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.323907902
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
PAHs, TCL Metals, Cyanide, pH, Moisture Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/ML		FILL - Sandy Silt - gray and light brown, medium-firm, dry, little gravel, medium-grained, angular			0.2	Soil samples SRE-SB015-000-1 and SRE-SB015-000-2 collected from 0-2 ft bgs
			CLAY - gray and tan, dry, medium-firm, medium-plasticity		48/60		
3						0.2	
			As above - little gravel (fine-grained, subangular)				
5						0.0	
7						0.0	
					59/60		
9	CL		As above - no gravel, moist, medium-soft			0.1	
11						0.1	
			As above - gray, dry, very firm				
					60/60		
13						0.0	
15					11/12	0.0	Soil sample SRE-SB015-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

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Boring SRE-SB016

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850602587
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322531291
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Pesticides, TCL PCBs, TCL Metals, Cyanide, pH, Moisture, Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/ML		FILL - Silt - light brown and gray, dry, medium-firm, poorly graded, some sand (medium-grained), little gravel (fine-grained, subrounded), poorly graded			0.5	Soil samples SRE-SB016-000-1 and SRE-SB016-000-2 collected from 0-2 ft bgs
			As above - gray and black, no gravel, medium soft		39/60		
3						0.3	
5						0.0	
	CL		CLAY - tan and gray, dry, medium-firm, medium-plasticity				
7						0.0	
					51/60		
			CLAY - tan, dry, very firm, medium-plasticity, little sand (medium-grained)				
9						0.1	
11						0.0	
	CL		As above - moist, trace gravel (medium-grained, rounded)		59/60		
13						0.0	
15			As above - medium-soft		11/12	0.0	Soil sample SRE-SB016-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB017

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850950296
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322215343
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Pesticides, TCL PCBs, TCL Metals, Cyanide, pH, Moisture, Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SM		FILL - Silty Sand with Gravel - light brown, dry, soft, poorly graded, coarse-grained, fine-grained gravel, subrounded	X		0.2	Soil sample SRE-SB017-000-1 collected from 0-2 ft bgs
			SANDY SILT - black, dry, soft, fine-grained sand		28/60		
3	ML					0.0	
5			As above - black and tan			0.0	
7	CL		CLAY - black and gray, dry, medium-firm, medium-plasticity		55/60	0.3	
			CLAY - tan, dry, medium-firm, medium-plasticity				
9						0.0	
11	CL		As above - damp, some gravel (medium-grained, subangular)			0.1	
13			As above - dry, no gravel		60/60	0.1	
15				X	9/12	0.1	Soil sample SRE-SB017-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB018

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850673524
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322205674
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Pesticides, TCL PCBs, TCL Metals, Cyanide, pH, Moisture, Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SM		FILL - Silty Sand with Gravel - light brown, dry, loose, poorly graded, coarse-grained, fine- to medium-grained gravel, subangular	X		0.0	Soil sample SRE-SB018-000-1 collected from 0-2 ft bgs
	FL/ML		FILL - Sandy Silt - black, dry, soft, coarse grained sand, trace pieces of slag		35/60		
3						0.0	
5						0.2	
	CL		CLAY - olive-gray, dry, firm, medium-plasticity, trace gravel (medium-grained, subangular)				
7						0.1	
			As above - tan and gray		42/60		
9						0.0	
11						0.0	
	CL		CLAY - dark gray, damp, medium-soft, some sand (medium- grained)				
	CL		CLAY - tan, dry, firm, medium-plasticity		36/60		
13						0.0	
15				X	10/12	0.0	Soil sample SRE-SB018-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

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Boring SRE-SB019

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 1/8/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.850555005
Drilling Company	: Cabeno/Allgood & Lambert	Longitude	: -88.322322618
Weston Geoscientist	: Dave Sena		
Total Depth	: 16 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, TCL Pesticides, TCL PCBs, TCL Metals, Cyanide, pH, Moisture, Content / % Solids

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SM		FILL - Silty Sand with Gravel - light brown, dry, tight, poorly graded, coarse-grained, fine-grained gravel, angular	X		0.4	Soil sample SRE-SB019-000-1 collected from 0-2 ft bgs
					32/60		
3	SM		FILL - Silty Sand - dark brown and gray, dry, medium-tight, coarse-grained, poorly graded, trace pieces of slag			0.1	
5						0.4	
7	CL		CLAY - dark brown, dry, firm, medium-plasticity			0.0	
					58/60		
			As above - olive-gray				
9						0.1	
			As above - gray, damp, some gravel (coarse-grained, angular)				
11						0.0	
13	CL		CLAY - gray, firm, dry, medium-plasticity, little gravel (fine-grained, angular)		60/60	0.1	
15			As above - damp, medium-soft	X	6/12	0.1	Soil sample SRE-SB019-014-1 collected from 14-16 ft bgs
			End of boring at 16.0 ft bgs				
17							
19							

Boring SRE-SB020

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/10/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851740887
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323663099
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1	FL/GM		Concrete				
1	FL/SP		FILL - Silty Gravel - light gray, dry, medium-grained, poorly graded FILL - Sand - black and tan, dry, medium-loose, coarse-grained, poorly graded		49/60	0.5 0.1	Soil sample SRE-SB020-000-1 collected from 0-2 ft bgs Soil sample SRE-SB020-002-1 collected from 2-4ft bgs
3	FL/SP		FILL - Sand - gray and light gray, dry to moist, medium-tight, some gravel (medium-grained, subangular), poorly graded				
5	CL		CLAY - gray, dry, medium-firm, medium-plasticity		34/36	0.5	Soil sample SRE-SB020-004-1 collected from 4-6 ft bgs
7			As above - with tan mottling			0.5	Soil sample SRE-SB020-006-1 collected from 6-8 ft bgs
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB021

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/10/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851745339
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323625067
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1	FL/GM		Concrete				
1	FL/SP		FILL - Silty Gravel - light gray, damp, medium-grained, angular, poorly graded FILL - Sand - black, dry, loose, medium- grained, poorly graded		32/60	0.7	Soil sample SRE-SB021-000-1 collected from 0-2 ft bgs
3	SC		CLAYEY SAND - tan, light gray, and brown, dry, medium-tight, fine-grained, well graded, some gravel (fine-grained, subangular)			0.5	Soil sample SRE-SB021-002-1 collected from 2-4ft bgs
5	CL		CLAY - dark gray, dry, medium-firm, medium-plasticity			0.6	Soil sample SRE-SB021-004-1 collected from 4-6 ft bgs
7					35/36	1.0	Soil sample SRE-SB021-006-1 collected from 6-8 ft bgs
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB022

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851721619
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323632430
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GW		Concrete				
1	FL/SP		FILL - Gravel - gray, dry, medium-loose, fine- to coarse-grained, subangular, well graded FILL - Sand - black, dry, loose, medium-loose, coarse-grained, poorly graded		32/60	0.0	Soil sample SRE-SB022-000-1 collected from 0-2 ft bgs
3						0.0	Soil sample SRE-SB022-002-1 collected from 2-4ft bgs
5	CL		CLAY - dark gray, dry, firm, medium-plasticity As above - moist		28/36	0.0	Soil sample SRE-SB022-004-1 collected from 4-6 ft bgs
7						0.0	Soil sample SRE-SB022-006-1 collected from 6-8 ft bgs
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB023

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/10/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851746962
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323679968
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GM		Concrete				
1	FL/SP		FILL - Silty Gravel - light gray, damp, medium-loose, medium- grained, poorly graded			0.8	Soil sample SRE-SB023-000-1 collected from 0-2 ft bgs
			FILL - Sand - black and tan, dry, medium-loose, coarse-grained, poorly graded, some gravel (fine-grained, subangular)		44/60		
3						0.7	Soil sample SRE-SB023-002-1 collected from 2-4ft bgs (not analyzed)
5	SC		CLAYEY SAND - brown and light gray, dry, medium-tight, medium-grained			0.3	Soil samples SRE-SB023-004-1 and SRE-SB023-004-2 collected from 4-6 ft bgs (not analyzed)
7	CL		CLAY - dark gray, dry, firm, medium-plasticity		33/36	0.5	Soil sample SRE-SB023-006-1 collected from 6-8 ft bgs (not analyzed)
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB024

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851758530
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323611499
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/GM		FILL - Silty Gravel - light gray and tan, moist to damp, loose, fine- to medium-grained, poorly graded, some sand (coarse-grained)			0.4	Soil sample SRE-SB024-000-1 collected from 0-2 ft bgs
3			As above - dry, medium-tight		31/60	0.0	Soil sample SRE-SB024-002-1 collected from 2-4ft bgs (not analyzed)
5						0.5	Soil sample SRE-SB024-004-1 collected from 4-6 ft bgs (not analyzed)
	CL		CLAY - dark gray, dry to moist, firm, medium-plasticity		22/36	0.4	Soil sample SRE-SB024-006-1 collected from 6-8 ft bgs (not analyzed)
7							
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB025

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/10/2015	Surface	: Concrete (Approx. 8")
Sampling Method	: Geoprobe	Latitude	: 41.851706231
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323623605
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SP		FILL - Sand - black and gray, dry, coarse-grained, poorly graded, trace slag			0.3	Soil sample SRE-SB025-000-1 collected from 0-2 ft bgs
3	ML		SILT - black, damp, medium-firm, no plasticity		46/60	0.6	Soil sample SRE-SB025-002-1 collected from 2-4ft bgs
5	CL		CLAY - gray, dry, medium-firm, medium-plasticity			1.2	Soil sample SRE-SB025-004-1 collected from 4-6 ft bgs (not analyzed)
7					30/36	0.5	Soil sample SRE-SB025-006-1 collected from 6-8 ft bgs (not analyzed)
			End of boring at 8.0 ft bgs				
9							
11							
13							
15							
17							
19							

Boring SRE-SB026

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 10")
Sampling Method	: Geoprobe	Latitude	: 41.851388579
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323865870
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL PCBs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/SW		FILL - Sand - gray, dry, loose, medium- to coarse-grained, well graded, some gravel (fine- to medium-grained, subangular)			0.1	Soil sample SRE-SB026-000-1 collected from 0-2 ft bgs
			As above - tan, dry to moist		31/60	0.5	Soil sample SRE-SB026-002-1 collected from 2-3ft bgs
3	ML		CLAY - grayish black, dry, medium-soft, medium-plasticity				Soil sample SRE-SB026-003-1 collected from 3-4 ft bgs
						0.8	Soil sample SRE-SB026-004-1 collected from 4-5 ft bgs
5			End of boring at 5.0 ft bgs				
7							
9							
11							
13							
15							
17							
19							

Boring SRE-SB027

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851362218
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323848855
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL PCBs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GM		FILL - Silty Gravel - dark gray, dry, loose, fine- to coarse- grained, subangular, well graded, some sand (coarse- grained)			0.7	Soil sample SRE-SB027-000-1 collected from 0-2 ft bgs
2	SW		SAND - tan, dry, loose, medium- to coarse-grained, some gravel (fine- to coarse-grained, subrounded)		46/60	0.7	Soil sample SRE-SB027-002-1 collected from 2-3ft bgs
			As above - moist, medium-loose				Soil sample SRE-SB027-003-1 collected from 3-4 ft bgs
4	CL		CLAY - grayish black, dry, moist, medium-soft, medium-plasticity			0.9	Soil sample SRE-SB027-004-1 collected from 4-5 ft bgs
			End of boring at 5.0 ft bgs				
6							
8							
10							
12							
14							
16							

Boring SRE-SB028

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851364777
Drilling Company	: Cabeno/Allgood	Longitude	: -88.323884406
Weston Geoscientist	: Dave Sena		
Total Depth	: 8 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL PCBs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/ML		FILL - Gravelly Silt - light gray, dry, soft, medium- to coarse-grained gravel, subangular, poorly graded		48/60	0.1	Soil sample SRE-SB028-000-1 collected from 0-2 ft bgs
2	SW		SAND - tan, dry to moist, medium-loose, medium- to coarse- grained, well graded			0.1	Soil sample SRE-SB028-002-1 collected from 2-3ft bgs
4	CL		CLAY - grayish black, dry, medium-soft, medium-plasticity			0.7	Soil sample SRE-SB028-003-1 collected from 3-4 ft bgs Soil sample SRE-SB028-004-1 collected from 4-5 ft bgs
6			End of boring at 5.0 ft bgs				
8							
10							
12							
14							
16							

Boring SRE-SB029

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851473515
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322975272
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/GM		FILL - Silty Gravel - light gray, dry, loose, fine- to coarse-grained, subangular, well graded, some sand (medium-grained)	Investigative Sample		0.3	Soil sample SRE-SB029-000-1 collected from 0-2 ft bgs
3	FL/SP	MS/MSD Sample	FILL - Sand - black, dry, loose, medium-grained, poorly graded		24/60	0.7	
5	CL	Duplicate Sample	CLAY - dark brown, moist, medium-soft, medium-plasticity, little sand (coarse- grained)	Investigative Sample		2.2	Soil sample SRE-SB029-004-1 collected from 4-6 ft bgs
			As above - damp, odor				
7					55/60	21.7	
			As above - tan and gray, dry, firm	Investigative Sample			
9						1.6	Soil sample SRE-SB029-008-1 collected from 8-10 ft bgs
				MS/MSD Sample			Soil sample SRE-SB029-010-1 collected from 10-11 ft bgs
11	CL	Duplicate Sample	SILTY CLAY - gray, wet, soft, low plasticity, little sand (coarse-grained)		10/24		
			End of boring at 12.0 ft bgs				
13							
15							
17							
19							

Boring SRE-SB030

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851488008
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322929403
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GM		Concrete				
1			FILL - Silty Gravel - light gray, dry, loose, fine- to coarse-grained, subangular, well graded			0.3	Soil sample SRE-SB030-000-1 collected from 0-2 ft bgs
	FL/ML		FILL - Silt - black, soft, dry, some sand (fine-grained), poorly-graded, trace brick, trace slag		51/60		
3						1.0	
	CL		CLAY - dark brown, moist, medium-soft, medium-plasticity			1.2	Soil sample SRE-SB030-004-1 collected from 4-6 ft bgs
5			As above - dray, tan, and dark brown				
7			As above - staining, odor		58/60	19.3	
9	CL		CLAY - tan and gray, dry, medium-firm, medium-plasticity, little gravel (fine-grained, subangular), little sand, no staining			1.3	Soil samples SRE-SB030-008-1 and SRE-SB030-008-2 collected from 8-10 ft bgs
			As above- damp, medium-soft				
11					24/24	1.0	Soil sample SRE-SB030-010-1 collected from 10-12 ft bgs
			End of boring at 12.0 ft bgs				
13							
15							
17							
19							

Boring SRE-SB031

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851454541
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322955748
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GM		Concrete				
1			FILL - Silty Gravel with Sand - tan and gray, dry, loose, fine- to coarse-grained, subangular, well graded			0.3	Soil sample SRE-SB031-000-1 collected from 0-2 ft bgs
	FL/SP		FILL - Sand - black, dry, medium-tight, medium-grained, poorly graded		49/60		
3						1.0	
	CL		CLAY - dark brown, dry, medium-firm, medium-plasticity				
5			As above - tan and gray			1.2	Soil sample SRE-SB031-004-1 collected from 4-6 ft bgs
7			As above - damp, soft, little sand (medium-grained), hydrocarbon odor		56/60	19.3	
			As above - moist, firm, little staining				
9						1.3	Soil sample SRE-SB031-008-1 from 8-10 ft bgs
			As above - dark brown, no odor or staining				
11			As above - dark gray, damp, soft, little sand (medium-grained)		24/24	1.0	Soil samples SRE-SB031-010-1 and SRE-SB031-010-2 collected from 10-12 ft bgs
			End of boring at 12.0 ft bgs				
13							
15							
17							
19							

Boring SRE-SB032

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851482495
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322995568
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/GM		FILL - Silty Gravel - light gray and brown, dry, loose, fine- to coarse-grained, subangular, well graded, little sand (coarse-grained)			0.0	Soil samples SRE-SB032-000-1 and SRE-SB032-000-2 collected from 0-2 ft bgs
3	FL/SP		FILL - Sand - black, dry, medium-loose, medium-grained, poorly graded		42/60	0.2	
5	CL		CLAY - dark brown, dry, medium-firm, medium-plasticity, trace sand (medium-grained)			0.6	Soil sample SRE-SB032-004-1 collected from 4-6 ft bgs
7					37/60	1.7	
9			As above - dark brown and tan			0.8	Soil sample SRE-SB032-008-1 from 8-10 ft bgs
11	CL		SILTY CLAY - wet, gray, soft, low-plasticity, little sand		10/24		Soil sample SRE-SB032-010-1 collected from 10-11 ft bgs
			End of boring at 12.0 ft bgs				
13							
15							
17							
19							

Boring SRE-SB033

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851478636
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322939839
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
			Concrete				
1	FL/GM		FILL - Silty Gravel - light brown, dry, loose, fine- to coarse-grained, subangular, well graded, little sand (medium-grained)			0.0	Soil sample SRE-SB033-000-1 collected from 0-2 ft bgs
3	FL/SP		FILL - Sand - black, dry, medium-loose, fine-grained, poorly graded		41/60	0.0	
	CL		CLAY - dark brown, dry, medium-firm, medium-plasticity, little sand (medium-grained)				
5	SC		CLAYEY SAND - dark brown and red, damp, medium-loose, medium-grained			0.0	Soil samples SRE-SB033-004-1 and SRE-SB033-000-2 collected from 4-6 ft bgs
7	CL		CLAY - gray, firm, dry, medium-plasticity		58/60	2.8	
9	CL		As above - staining and odor			24.4	Soil sample SRE-SB033-008-1 from 8-10 ft bgs
11					23/24	0.7	Soil sample SRE-SB033-010-1 collected from 10-11 ft bgs
	SC		CLAYEY SAND - gray and black, wet, loose, medium-grained, poorly graded				
			End of boring at 12.0 ft bgs				

-1, 1, 3, 5, 7, 9, 11, 13, 15, 17, 19

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Boring SRE-SB034

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 3/9/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851440370
Drilling Company	: Cabeno/Allgood	Longitude	: -88.322951671
Weston Geoscientist	: Dave Sena		
Total Depth	: 12 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL PCBs, PAHs, TPH GRO, TPH DRO/MRO

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
1	FL/GM		FILL - Silty Gravel with Sand - tan and gray, dry, loose, fine- to coarse-grained, subangular, well graded	Investigative Sample		0.0	Soil sample SRE-SB034-000-1 collected from 0-2 ft bgs
	FL/SW		FILL - Sand - black, dry, medium-tight, coarse-grained, poorly graded		42/60		
3						0.0	
	CL		CLAY - dark brown, dry, medium-firm, medium-plasticity	Investigative Sample			
5						0.0	Soil sample SRE-SB034-004-1 collected from 4-6 ft bgs
			As above - gray and tan, dry to moist, soft, little sand (coarse-grained)				
7						2.8	
					55/60		
			As above - faint odor	Investigative Sample			
9						24.4	Soil sample SRE-SB034-008-1 from 8-10 ft bgs
11			As above - tan, firm, dry, no odor	Investigative Sample	11/24	0.7	Soil sample SRE-SB034-010-1 collected from 10-12 ft bgs
			End of boring at 12.0 ft bgs				
13							
15							
17							
19							

Boring SRE-SB035

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 3")
Sampling Method	: Geoprobe	Latitude	: 41.851688405
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.323589795
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/GP		Concrete				
			FILL - Sand and Gravel, light gray, loose, dry			0.0	
1	FL/SP		FILL - Sand, light brown, some red brick fragments		20/24		Soil samples SRE-SB035-000-1 and SRE-SB035-000-2 collected from 0-2 ft bgs
	FL/SP		FILL - Sand, dark brown to black, loose, dry to slightly moist, fine- to coarse-grained sand, trace fine- to medium-grained gravel, some cinders.			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB036

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 3")
Sampling Method	: Geoprobe	Latitude	: 41.851711407
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.323575576
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GP		FILL - Sand and Gravel, light gray, loose, dry, medium- to coarse-grained.			0.0	
			BRICK layer (3 inches) - dense, slightly moist, with black fine-grained sand		24/24		Soil sample SRE-SB036-000-1 collected from 0-2 ft bgs
1	FL/SP		FILL - Sand, dark brown to black, slightly dense, slightly moist, fine- to medium-grained sand, trace coarse-grained sand, trace fine-grained gravle, some cinders and bricks			0.0	
			As above - light brown.				
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB037

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 3")
Sampling Method	: Geoprobe	Latitude	: 41.851669090
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.323572327
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
			FILL - Sand and Gravel, light gray, loose, dry			0.0	
1	FL/GP		BRICK layer - brown/red, loose, dry, fine- to medium-grained, little coarse-grained sand, little fine-grained gravel.		17/24		Soil sample SRE-SB037-000-1 collected from 0-2 ft bgs
			CINDER seam (4 inches) - gray.			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

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Boring SRE-SB038

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 3")
Sampling Method	: Geoprobe	Latitude	: 41.851672406
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.323617350
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GW		FILL - Sand and Gravel, light gray, loose, dry, medium- to coarse-grained			0.0	
1			As above - light brown with dark brown mottles, slightly dense, slightly moist, fine- to medium-grained		24/24		Soil sample SRE-SB038-000-1 collected from 0-2 ft bgs
	FL/SW		FILL - Sand, dark brown, slightly dense, slight moist, fine-grained sand, little medium- to coarse-grained sand, little fine-grained gravel			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB039

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851506968
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.322898663
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GW		FILL - Gravel, gray, loose			0.0	
	FL/SP		FILL - Sand, light brown, loose, medium-grained, little coarse-grained sand, little fine-grained gravel		19/24		Soil sample SRE-SB039-000-1 collected from 0-2 ft bgs
1	FL/SW		FILL - Sand, black, dense, slightly moist, fine- to medium-grained, trace coarse-grained sand, trace fine-grained gravel			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB040

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851518866
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.322933719
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GP		FILL - Sand and Gravel, gray, loose, dry, fine- to coarse-grained As above - light brown, fine- to medium-grained	X	24/24	0.0	Soil sample SRE-SB040-000-1 collected from 0-2 ft bgs
1							
	FL/SP		FILL - Sand, dark brown to black, slightly dense, slightly moist, fine- to medium-grained, trace coarse-grained sand, trace fine-grained gravel			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB041

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851528488
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.322869910
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GP		FILL - Gravel with Sand, light gray, loose, dry			0.0	
1	FL/GP		FILL - Sand and Gravel, light brown, loose, slight moist, medium- to coarse-grained sand, fine-grained gravel		24/24		Soil sample SRE-SB041-000-1 collected from 0-2 ft bgs
	FL/SP		FILL - Sand, black, slightly dense, moist, little medium- to coarse-grained sand, trace fine-grained gravel			0.0	
			As above - gray, medium-grained cinders				
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB042

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/10/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Geoprobe	Latitude	: 41.851488535
Drilling Company	: Cabeno/M. Orton	Longitude	: -88.322860155
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/GW		FILL - Sand and Gravel, light gray, loose, slightly moist			0.0	
1			As above - light gray to light brown		22/24		Soil sample SRE-SB042-000-1 collected from 0-2 ft bgs
						0.0	
	FL/GW		FILL - Sandy Gravel, black with reddish brown cinders, loose, dry, some silt				
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB043

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851642408
Drilling Company	: NA	Longitude	: -88.323614174
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 1.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/SP		Concrete FILL - Sand with medium-grained gravel, gray				
1	FL/SM		FILL - Silty Sand, black, fine- to medium-grained Large cobble, refusal.	X	18/18	>5.0	Soil sample SRE-SB043-000-1 collected from 0-1.5 ft bgs
			End of boring at 1.5 ft bgs				
3							
5							
7							
9							

Boring SRE-SB044

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851649088
Drilling Company	: NA	Longitude	: -88.323700679
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/SM		Concrete				
			FILL - Silty Sand, coarse-grained gravel				
			FILL - Silty Clay, black				
1	FL/CL				24/24	2.5	Soil sample SRE-SB044-000-1 collected from 0-2.0 ft bgs
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB045

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851682874
Drilling Company	: NA	Longitude	: -88.323692605
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
			FILL - Sand, tan and brown, medium-grained gravel				
1	FL/SP			X	24/24	3.5	Soil sample SRE-SB045-000-1 collected from 0-2.0 ft bgs
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB046

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851682874
Drilling Company	: NA	Longitude	: -88.323692605
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
			Concrete				
	FL/SM		FILL - Silty Sand, tan, coarse-grained gravel, trace coarse cobbles				
	FL/SM		FILL - Sandy Silt, black, trace medium-grained gravel, trace coarse cobbles				
	FL/SP		FILL - Sand Loam, black, trace medium-grained gravel, trace coarse cobbles		24/24	2.2	Soil sample SRE-SB046-000-1 collected from 0-2.0 ft bgs
	FL/SC		FILL - Silty Sandy Clay, reddish brown, odor, trace coarse cobbles				
			End of boring at 2.0 ft bgs				

-1, 1, 3, 5, 7, 9

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Boring SRE-SB047

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851682874
Drilling Company	: NA	Longitude	: -88.323692605
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
			Concrete				
	FL/SM		FILL - Silty Sand, tan, coarse-grained gravel, trace coarse cobbles				
	FL/SM		FILL - Sandy Silt, black, trace medium-grained gravel, trace coarse cobbles				
1	FL/SP		FILL - Sand Loam, black, trace medium-grained gravel, trace coarse cobbles		24/24	2.2	Soil sample SRE-SB047-000-1 collected from 0-2.0 ft bgs
	FL/SC		FILL - Silty Sandy Clay, reddish brown, odor, trace coarse cobbles				
			End of boring at 2.0 ft bgs				

-1, 1, 3, 5, 7, 9

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Boring SRE-SB048

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851557219
Drilling Company	: NA	Longitude	: -88.322796282
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/SM		FILL - Silty Sand, tan and brown, trace coarse-grained gravel, trace coarse cobbles	X	24/24	2.1	Soil sample SRE-SB048-000-1 collected from 0-2.0 ft bgs
1							
	FL/SM		FILL - Silty Sand, black, odor				
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB049

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851484302
Drilling Company	: NA	Longitude	: -88.322775919
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/SM		FILL - Silty Sand, tan and brown, trace coarse-grained gravel, some coarse cobbles	X	24/24	>6.0	Soil sample SRE-SB049-000-1 collected from 0-2.0 ft bgs
1							
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB050

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851435809
Drilling Company	: NA	Longitude	: -88.322816834
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/SM		FILL - Silty Sand, tan and brown, trace coarse-grained gravel, some coarse cobbles	X	24/24	>15	Soil sample SRE-SB050-000-1 collected from 0-2.0 ft bgs
1							
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB051

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851389471
Drilling Company	: NA	Longitude	: -88.322778173
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/SM		Concrete				
	FL/CL		FILL - Sand and Silt, tan, some gravel, little cobble fragments FILL - Clay, black, some silt, odor		24/24	3.5	Soil sample SRE-SB051-000-1 collected from 0-2.0 ft bgs
1							
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB053

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851588030
Drilling Company	: NA	Longitude	: -88.322739594
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
	FL/SM		FILL - Silty Sand, tan and brown, trace coarse-grained gravel, trace coarse cobble fragments	X	24/24	3.0	Soil samples SRE-SB053-000-1 and SRE-SB053-000-1-D collected from 0-2.0 ft bgs
1							
	FL/SM		FILL - Silty Sand, black, odor				
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB054

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851682874
Drilling Company	: NA	Longitude	: -88.323692605
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
	FL/SM		Concrete				
	FL/SM		FILL - Silty Sand, tan, coarse-grained gravel, trace coarse cobbles				
1	FL/SP		FILL - Sandy Silt, black, trace medium-grained gravel, trace coarse cobbles		24/24	2.2	Soil sample SRE-SB054-000-1 collected from 0-2.0 ft bgs
	FL/SC		FILL - Sand Loam, black, trace medium-grained gravel, trace coarse cobbles				
			FILL - Silty Sandy Clay, reddish brown, odor, trace coarse cobbles				
			End of boring at 2.0 ft bgs				

-1, 1, 3, 5, 7, 9

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Boring SRE-SB055

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851562156
Drilling Company	: NA	Longitude	: -88.323017621
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/SM		Concrete				
	FL/CL		FILL - Sand and Silt, tan, some gravel, little cobble fragments FILL - Clay, black, some silt, odor		24/24	>1.5	Soil sample SRE-SB055-000-1 collected from 0-2.0 ft bgs
1							
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB056

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 4/24/2015	Surface	: Concrete (Approx. 6")
Sampling Method	: Hand Auger	Latitude	: 41.851715514
Drilling Company	: NA	Longitude	: -88.323697810
Weston Geoscientist	: Brennan Johnson		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
			Concrete				
			FILL - Sand, tan and brown, medium-grained gravel				
1	FL/SP			X	24/24	3.0	Soil sample SRE-SB056-000-1 collected from 0-2.0 ft bgs
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB057

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 5/13/2015	Surface	: Concrete (Approx. 4")
Sampling Method	: Hand Auger	Latitude	: 41.851335244
Drilling Company	: NA	Longitude	: -88.322735627
Weston Geoscientist	: Katie Frey		
Total Depth	: 2.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
-1							
	FL/SA		Concrete				
	FL/CL		FILL - Sand, tan, fine- to medium-grained, well sorted			0.0	
			FILL - Silty Clay, black, slightly moist, low plasticity, trace fine-grained sand, some gray				Soil sample SRE-SB057-000-1 collected from 0-2.0 ft bgs
1					24/24		
	FL/CL		FILL - Sandy Clay, black, slightly loose, moist, fine- to medium-grained sand, trace coarse-grained sand, trace fine-grained gravel			0.0	
			End of boring at 2.0 ft bgs				
3							
5							
7							
9							

Boring SRE-SB101

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851921017
Drilling Company	: Earth Solutions	Longitude	: -88.322705896
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCLP PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FOUNDRY SAND - dark brown, loose, dry, fine-to-medium-grained sand sized cinders, trace fine-grained gravel, poorly graded, trace red brick.	X			Soil sample SRE-SB101-000-1 collected from 0.0 to 1.0 ft bgs
	FL/SP		FILL - brown, loose, dry, medium-grained sand, fine-grained angular gravel, poorly graded.			0.0	
2	CL		CLAYEY SILT - dark brown, soft, moist, some clay, low plasticity.		52/60		
4	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, brown mottling. As Above.			0.0	
	CL		SANDY CLAY - brown, soft, very moist, some fine-grained sand, trace fine-grained gravel, low plasticity.				
6			End of boring at 5.0 ft bgs				
8							
10							
12							

Boring SRE-SB101A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851639548
Drilling Company	: Earth Solutions	Longitude	: -88.322623643
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL : Sand and Gravel, brown, loose, moist, fine- to medium-grained sand, medium-grained angular gravel, trace cobble				
	FL/ML		FILL: Clayey Silt, dark brown, slightly stiff, moist, some clay, low plasticity	X		0.3	
2	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, some brown mottling.		24/60	0.2	
4							
			End of boring at 5.0 ft bgs				
6							

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Boring SRE-SB102

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.850550193
Drilling Company	: Earth Solutions	Longitude	: -88.322692987
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCLP PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/ML		SILTY CLAY - dark brown, loose, moist, some silt, some fine-to-medium-grained gravel, low plasticity.				
2	FL/SP		SAND - dark brown, loose, slightly moist, fine-to-medium-grained foundry sand, medium-grained angular gravel, poorly graded, little red brick fragments.	☒	45/60	0.1 0.2	Soil sample SRE-SB102-001-1 collected from 1.0 to 3.0 ft bgs
4	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, some brown mottling.				
6			End of boring at 5.0 ft bgs				
8							
10							
12							

Boring SRE-SB103

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851639548
Drilling Company	: Earth Solutions	Longitude	: -88.322623643
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCLP PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - brown, loose, moist, medium-grained sand, medium-grained angular gravel, poorly graded.				
	FL/SP		FOUNDRY SAND - dark brown, loose, moist, medim-grained sand sized cinders, trace pink medium-grained sand.	X		0.3	Soil sample SRE-SB103-001-1 collected from 1.0 to 2.0 ft bgs
2	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, some brown mottling.		24/60	0.2	
4							
			End of boring at 5.0 ft bgs				
6							
8							
10							
12							

Boring SRE-SB104

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851042160
Drilling Company	: Earth Solutions	Longitude	: -88.322098307
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCLP PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GM		FILL - brown, loose, moist, some silt, little medium-grained sand, medium-grained angular gravel.				
2	FL/SP		FOUNDRY SAND - dark brown, loose, moist, medium-grained sand-sized cinders, trace course-grained gravel-sized slag, occasional 0.5 inch clay seams.		46/60	0.2 0.2	Soil sample SRE-SB104-001-1 collected from 1.0 to 2.0 ft bgs
4	CH		CLAY - dark brown-to-gray, soft, moist, medium-to-high-plasticity, some brown mottling.				
6			End of boring at 5.0 ft bgs				

Boring SRE-SB105A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851477399
Drilling Company	: Earth Solutions	Longitude	: -88.323147412
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, dry, fine-to-medium-grained sand, medium-grained angular gravel, poorly graded.				
	FL/CL		SILTY CLAY - dark brown, slightly stiff, moist, some silt, trace fine-grain sand, trace fine-grain, gravel-sized slag, medium plasticity.			0.0	
2					60/60		
						0.0	
4						0.0	
6	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, staining, odor from 6 to 9 feet bgs.			8.2	
					60/60		
8						0.2	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB105B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851481625
Drilling Company	: Earth Solutions	Longitude	: -88.323187379
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, dry, fine-to-medium-grained sand, fine-grained angular gravel, poorly graded.				
	FL/CL		SILTY CLAY - dark brown, slightly stiff, moist, some silt, trace course-grained sand, trace fine-to-medium-grained gravel, trace red brick, low-to-medium-plasticity.		38/60	0.0 0.0	
2							
4							
	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, staining, odor from 6 to8 feet bgs.		40/60	0.0 4.6	
6							
8							
	CL		SILTY CLAY - brown, stiff, slightly moist, some silt, trace fine-to-medium-grained sand, low plasticity.			0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB105C

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851486126
Drilling Company	: Earth Solutions	Longitude	: -88.323220368
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, dry, fine-to-medium-grained sand, fine-to-medium-grained gravel, poorly graded.				
	FL/CL		SILTY CLAY - dark brown, stiff, slightly moist, some silt, trace medium-grained sand, trace fine-to-course-grained angular gravel, trace red brick, medium-plasticity.		40/60	0.0 0.0	
2							
4							
	CH		CLAY - gray, slightly stiff, moist, medium-to-high-plasticity, strong odor from 6 to 7.5 feet bgs.		52/60	11.0 ---	
6							
	SW		SAND - tan, soft, saturated, fine-to-medium-grained, well graded.				
8							
	CL		SILTY CLAY - brown, stiff, moist, some silt, trace fine-to-medium-grained sand, low plasticity.			0.5	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB105D

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851489958
Drilling Company	: Earth Solutions	Longitude	: -88.323277024
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		FILL - brown, loose, dry, medium-grained sand, fine-to-medium-grained angular gravel, poorly graded.				
	FL/CL		SILTY CLAY - dark brown, stiff, slightly moist, some silt, little fine-to-medium-grained angular gravel, low plasticity.			0.0	
2					32/60		
						0.0	
4							
	FL		GRAVEL - white, loose, course-grained, angular.				
	CH		CLAY - gray, soft, moist, medium-to-high-plasticity, staining, odor from 5 to 6 feet bgs.			3.5	
6	CL		SILTY CLAY - brown, stiff, moist, some silt, trace medium-grained sand, low plasticity.				
					52/60	0.3	
8			Half-inch fine-grained sand seam.				
						0.4	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB105E

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851495318
Drilling Company	: Earth Solutions	Longitude	: -88.323322218
Weston Geoscientist	: Tim Walls		
Total Depth	: 4.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, stiff, moist, some silt, trace fine-to-medium-grained angular gravel, low plasticity.		54/54	0.0 0.0	
4	GP		GRAVEL - brown, loose, wet, medium-to-course-grained, angular, poorly graded.				

End of boring at 4.5 ft bgs due to refusal.

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Boring SRE-SB105F

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851500927
Drilling Company	: Earth Solutions	Longitude	: -88.323362049
Weston Geoscientist	: Tim Walls		
Total Depth	: 4.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0							
	FL/CL		SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, trace medium-grained angular gravel, low plasticity.			0.0	
2			As Above - trace cobble.		54/60	24.2	
4	FL/SP		SAND - dark brown, loose, very moist, medium-grained, strong odor, staining.				
6			End of boring at 4.5 ft bgs due to refusal.				

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Boring SRE-SB105G

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851506922
Drilling Company	: Earth Solutions	Longitude	: -88.323418528
Weston Geoscientist	: Tim Walls		
Total Depth	: 3.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, moist, some silt, trace medium-grained angular gravel, low plasticity.		42/60	0.4	
2							
4			End of boring at 3.5 ft bgs due to refusal.				
6							
8							
10							
12							

Boring SRE-SB105H

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851512553
Drilling Company	: Earth Solutions	Longitude	: -88.323496153
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, little medium-grained angular gravel, low plasticity.		35/60	0.0 0.0	
4	FL/SP		FOUNDRY SAND - dark brown, loose, moist, medium-grained sand-sized cinders, slight odor.			0.6	
6	CH		CLAY - dark gray, soft, moist, medium-to-high-plasticity, strong odor from 6 to 8 feet bgs.		52/60	16.8	
8	CH		CLAY - gray-to-brown, soft, moist, some silt, trace medium-grained gravel, medium plasticity.			0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB105I

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851519245
Drilling Company	: Earth Solutions	Longitude	: -88.323597214
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, little medium-grained angular gravel, low plasticity.			0.0	
2	FL/GP		FILL - brown, loose, very moist, fine-to-course-grained gravel, angular grains, poorly graded.		17/60	0.0	
4			As Above - some water.			---	
6	CH		CLAY - gray, soft, moist, medium-to-high-plasticity.		40/60	0.5	
8	CH		CLAY - brown, slightly stiff, moist, medium-to-high-plasticity.			0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB106A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851600500
Drilling Company	: Earth Solutions	Longitude	: -88.322979286
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, trace medium-grained sand, trace coarse-grained angular gravel, low plasticity.			0.0	
2					52/60	0.0	
4	CH		CLAY - gray, slightly stiff, moist, medium plasticity, some brown mottling.			1.6	
6			Odor and staining between 6.0 and 8.0 ft bgs.		41/60	2.0	
8	CH		CLAY - brown, slightly stiff, moist, medium to high plasticity, trace medium-grained well rounded gravel.			0.2	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB106B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851666885
Drilling Company	: Earth Solutions	Longitude	: -88.322973825
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, moist, some silt, trace fine- to medium-grained angular gravel, low plasticity.			0.0	
2					38/60	0.0	
4	CL		SANDY CLAY - brown, soft, very moist, low to medium plasticity, some fine- to medium-grained sand.			0.0	
6						0.0	
					56/60		
8						0.0	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB106C

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Grass
Sampling Method	: Geoprobe	Latitude	: 41.851638299
Drilling Company	: Earth Solutions	Longitude	: -88.322971893
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, trace medium- to coarse-grained sand, trace red brick, low plasticity.			0.0	
2					60/60	0.0	
4	CH		CLAY - gray, slightly stiff, slightly moist, medium plasticity, brown mottling.			0.0	
6			Slight odor and dark gray banding between 7.0 and 8.0 ft bgs.		54/60	1.2	
8	CH		CLAY - brown, slightly stiff, moist, medium plasticity, trace medium-grained well rounded gravel.			0.1	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB107A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851479111
Drilling Company	: Earth Solutions	Longitude	: -88.322868593
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, dry, medium-grained sand, medium- to coarse-grained angular gravel, poorly graded.			0.2	
2	FL/SP		FOUNDRY SAND - dark brown, loose, moist, fine- to medium-grained sand-sized slag/sand/cinders.		48/60	0.1	
4	CL		SILTY CLAY - dark brown, soft, moist, some silt, low plasticity.			0.3	
6	CH		CLAY - gray, slightly stiff, slightly moist, medium to high plasticity.			0.1	
8	CH		CLAY - brown, soft, very moist, medium plasticity, trace medium-grained sand, trace medium-grained well rounded gravel.		55/60	0.1	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB107B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851473346
Drilling Company	: Earth Solutions	Longitude	: -88.322912501
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, dry, trace silt, fine- to medium-grained sand, medium-grained angular gravel, poorly graded.			0.2	
2	FL/SP		FOUNDARY SAND - dark brown, loose, moist, fine- to medium-grained sand, trace medium-grained gravel-sized slag, trace red brick.		45/60	0.3	
4			As Above - very moist.				
	CL		SILTY CLAY - dark brown, slightly stiff, moist, some silt, low plasticity.			0.3	
6	CL		CLAY - gray, stiff, slightly moist, low to medium plasticity, red brown mottling.		46/60	0.1	
8	CH		CLAY - brown, soft, very moist, medium to high plasticity, trace medium-grained sand, gray mottling			0.1	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB108A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851435321
Drilling Company	: Earth Solutions	Longitude	: -88.322959846
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - white, loose, dry, medium-grained sand, fine-grained angular gravel, poorly graded.			0.0	
2	FL/SP		FOUNDRY SAND - dark brown, slightly stiff, moist to very moist.		42/60	0.5	
			As above - some odor.				
4	CL		SILTY CLAY - dark brown, stiff, moist, some silt, low plasticity, some odor at 5.0 ft bgs.			9.2	
			End of boring at 5.0 ft bgs				
6							
8							
10							
12							

Boring SRE-SB108B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851395375
Drilling Company	: Earth Solutions	Longitude	: -88.322960946
Weston Geoscientist	: Tim Walls		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - white, loose, dry, medium-grained sand, fine-grained angular gravel, poorly graded.			0.0	
2	FL/SP		FOUNDRY SAND - dark brown, loose, moist, medium-grained, trace red brick.		37/60	0.0	
4	CL		SILTY CLAY - dark brown, stiff, moist, staining, strong odor.			9.7	
6			End of boring at 5.0 ft bgs				
8							
10							
12							

Boring SRE-SB108C

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851350547
Drilling Company	: Earth Solutions	Longitude	: -88.322958796
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - white, loose, dry, fine- to medium-grained sand, medium-grained angular gravel, poorly graded.				
	FL		SANDY, GRAVELLY, SILTY CLAY - dark brown, slightly stiff, moist, medium-grained sand, fine-grained angular gravel, silt, trace medium-grained sized slag.			0.2	
2					36/60		
						0.3	
4			SAND layer - 3 inch, brown, medium-grained.				
						1.8	
6	CH		CLAY - gray, stiff, moist, medium to high plasticity.				
			As above - odor and staining between 7 to 9 ft bgs.			14.9	
8					50/60		
			As above - very moist.			8.9	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB108D

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851312195
Drilling Company	: Earth Solutions	Longitude	: -88.322959235
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slight moist, some silt, little coarse-grained angular gravel.			0.1	
2					44/60	0.1	
4							
	CL		SILTY CLAY - dark brown, slightly stiff, moist, low plasticity, some silt, trace coarse-grained sand.			1.2	
6			As above - odor and staining between 6 to 9 ft bgs.			22.9	
					52/60		
8	CH		CLAY - gray, slightly stiff, moist, medium to high plasticity, some odor.			1.8	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB108E

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851240740
Drilling Company	: Earth Solutions	Longitude	: -88.322959075
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slight moist, low plasticity, some silt, little coarse-grained angular gravel, occasional 1/2 inch brown medium-grained sand seams.		33/60	0.0 0.1	
2							
4	CL		SILTY CLAY - dark brown, soft, moist, some silt, slight odor, no staining.		60/60	0.5 0.2	
6							
8	CH		CLAY - gray, soft, very moist, trace medium-grained well rounded gravel.			0.1	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB108F

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851205281
Drilling Company	: Earth Solutions	Longitude	: -88.322961797
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0							
	FL		SILTY CLAY - dark brown, slightly stiff, slight moist, low plasticity, some silt, little coarse-grained angular gravel, occasional 1/2 to 1 inch brown fine-grained sand seams.			0.1	
2					36/60	0.1	
4	CH		CLAY - gray, stiff, slightly moist.			0.5	
6			As above - dark gray, odor between 6 to 10 ft bgs.			10.9	
					33/60		
8						4.2	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB108G

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 9/23/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851124831
Drilling Company	: Earth Solutions	Longitude	: -88.322942161
Weston Geoscientist	: Tim Walls		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL		SILTY CLAY - dark brown, slightly stiff, slighty moist, some silt, trace medium-grained angular gravel, gray clay layers.		52/60	0.0 0.2 5.8	
6	CH		CLAY - dark gray, stiff, moist, odor and staining from 5.5 to 9.5 ft bgs.		32/60	12.2 9.3	
10			End of boring at 10.0 ft bgs				

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Boring SRE-SB108H

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.850992221
Drilling Company	: Earth Solutions	Longitude	: -88.322962443
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	SP		FILL - brown, medium-grained sand, loose, slightly moist with fine-grained gravel.		36/60	0.0	
2	FL/SW		FOUNDRY SAND - dark brown, slightly dense, very moist, well sorted, fine- to medium-grained sand.			0.0	
4			As above - black, very wet, odor.			0.0	
6			As above - saturated, odor.			0.0	
8	CL		SILTY CLAY - dark gray, very stiff, slightly moist, low plasticity, fine- to coarse-grained sand.		40/60	0.0	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB108I

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851053155
Drilling Company	: Earth Solutions	Longitude	: -88.322949550
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - brown, medium grained sand, loose, slightly moist, with fine- to coarse-grained gravel.		36/60	0.0	
2							
4	FL/SW		FOUNDRY SAND - dark brown to black, slightly dense, very moist to wet, well sorted, fine-grained sand, trace medium- to coarse-grained sand.			0.0	
			As above - some gray sand.			1.3	
6			As above - saturated.				
8	CL		SILTY CLAY - dark gray to black, very stiff, low plasticity, trace fine-grained sand, staining.		60/60	7.1	
			As above - staining between 7.5 to 9.5 ft bgs.			1.6	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB108J

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851017840
Drilling Company	: Earth Solutions	Longitude	: -88.322956318
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - brown, medium-grained sand, loose, very moist, with fine- to coarse-grained gravel.			0.0	
2	FL/SW		SAND - dark brown to gray, dense, very moist, well sorted, fine-grained gravel, little medium- to coarse-grained gravel.		48/60	0.0	
4			As above - black staining.				
			As above - trace fine-grained gravel.			2.3	
6			As above - saturated.				
			As above - cobble.				
	CL		SILTY CLAY - dark gray, trace fine- to coarse-grained sand, rootlets.		60/60	0.0	
8	CL		SILTY CLAY - gray, stiff, slightly moist, trace fine- to medium-grained sand.			0.0	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB109A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851455231
Drilling Company	: Earth Solutions	Longitude	: -88.323292531
Weston Geoscientist	: Katie Frey		
Total Depth	: 12.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, medium-grained sand and fine- to medium-grained gravel, loose, poorly sorted.				
	FL/SP		FOUNDRY SAND - dark brown to black, moist, fine- to medium-grained, trace coarse-grained saturated sand.			0.0	
2					50/60		
						0.2	
4			As above - with rust coloring, with clay.				
	CL		SILTY CLAY - gray, stiff, moist, with fine- to coarse-grained sand, trace fine-grained gravel.			0.5	
6			As above - trace staining from 6 to 7 ft bgs.				
			As above - soft.			1.8	
					60/60		
8			As above - brown, very stiff.				
						2.7	
10	GP		GRAVEL and SAND - saturated, fine- to coarse-grained.				
	CL		SANDY CLAY - brown, very stiff, moist, fine- to coarse-grained sand, trace fine-grained gravel.		24/24	0.0	
12			End of boring at 12.0 ft bgs				

Boring SRE-SB109B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851426123
Drilling Company	: Earth Solutions	Longitude	: -88.323216581
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BTEX and PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, loose, fine- to coarse-grained sand and gravel.			0.0	
			Cobble.				
2	CL		SILTY CLAY - gray, very stiff, slightly moist, trace brown and black coloring, little fine- to medium-grained sand, trace coarse-grained sand, trace fine-grained gravel.		55/60	0.0	
4							
	ML		CLAYEY SILT - black, very stiff, slightly moist, trace fine-grained sand.			0.0	
6	CL		SILTY CLAY - dark gray, stiff, moist, trace fine- to medium-grained sand, trace fine-grained gravel, staining.	X	55/60	10.0	Soil sample SRE-SB109B-006-1 collected from 6.0 to 7.5 ft bgs.
8			As above - gray with brown, very soft, wet, no staining			0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB110A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851550799
Drilling Company	: Earth Solutions	Longitude	: -88.323025504
Weston Geoscientist	: Katie Frey		
Total Depth	: 5.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, fine- to coarse-grained sand and gravel, crumbly, slightly dry, some black silty clay.		48/60	0.0	
2							
4	CL		SILTY CLAY - brown with gray, soft, moist, fine- to coarse-grained sand. As above - black, trace fine-grained sand.			0.0	
			End of boring at 5.0 ft bgs				
6							
8							
10							
12							

Boring SRE-SB110B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851510199
Drilling Company	: Earth Solutions	Longitude	: -88.322912066
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0			Blind drilled from 0 to 5.0 ft bgs				
						NA	
2					NA		
						NA	
4							
						0.0	No odor or globules observed.
	ML		SILT - black, with clay, wet.				
6							
			SILTY CLAY - gray, slightly soft, very moist, trace fine- to coarse-grained sand.			0.0	
			As above - brown, very soft, wet.		60/60		
8	CL						
						0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB110C

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851597180
Drilling Company	: Earth Solutions	Longitude	: -88.322974817
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BTEX and PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/ML		SILT with CLAY - dark brown, slightly crumbly, slightly moist, fine- to coarse-grained foundry sand.			0.0	
2			As above - black.		60/60	0.0	
4	CL		SILTY CLAY - gray with brown, slightly stiff, moist, low plasticity, trace black coloring, trace fine- to medium-grained sand.				
			As above - gray, stiff.			12.1	
6			As above - staining and odor at 7 ft bgs.		60/60	1.7	
8			As above - very soft, wet.				Soil sample SRE-SB110C-007-1 collected from 7.0 to 9.0 ft bgs.
	CL		CLAY - brown with trace gray.			0.0	
10			End of boring at 10.0 ft bgs				
12							

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Boring SRE-SB111A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851439403
Drilling Company	: Earth Solutions	Longitude	: -88.322892707
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - brown, fine-grained sand, loose, slightly moist, little fine-grained gravel.			0.0	
2	SW		Brick. FOUNDRY SAND - black, medium-grained, well sorted.		36/60		
	SM		SILTY SAND - dense, moist, trace clay, trace coarse-grained sand, trace fine-grained gravel.			0.0	
4	CL		SILTY CLAY - gray, stiff, slightly moist, trace fine-grained sand.			0.0	
	GP		As above - stiff.				
			GRAVEL layer - black, saturated.				
6	CL		SILTY CLAY - gray with brown, stiff, moist.			0.0	
8	CL		SILTY CLAY - gray with brown and white, soft, low plasticity, trace fine-grained gravel.		50/60	0.0	
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB111B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851458051
Drilling Company	: Earth Solutions	Longitude	: -88.322915227
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BTEX and PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, fine- to medium-grained sand and gravel, loose, moist.				
	SW		FOUNDRY SAND - black, moist, fine- to medium-grained, cinders, brick, trace fine-grained gravel.			0.0	
2					36/60		
			As above - moist to wet.			0.0	
4			As above - with clay.			8.6	
6			As above - saturated, sheen on water.				
	CL		SILTY CLAY - gray, moist, trace fine- to medium-grained sand, staining between 6 and 8 ft bgs.	X	50/60	12.5	Soil sample SRE-SB111B-006-1 collected from 6.0 to 8.0 ft bgs.
8	SC		SANDY CLAY - light brown with gray and white, very soft, fine-grained, trace coarse-grained gravel.			0.0	
			As above - brown, very hard.				
10			End of boring at 10.0 ft bgs				
12							

Boring SRE-SB112A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 10/06/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe	Latitude	: 41.851353939
Drilling Company	: Earth Solutions	Longitude	: -88.322955647
Weston Geoscientist	: Katie Frey		
Total Depth	: 10.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
BTEX and PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - brown, fine- to coarse-grained sand and gravel, moist, poorly sorted, trace clay.			0.0	
2					30/60	0.0	
4	SW		SAND with CLAY - brown, slightly soft, moist, fine- to coarse-grained, cobbles.			0.0	
6			As above - wet. As above - cobble.				
	CL		SILTY CLAY - dark gay, very stiff, moist, low plasticity, with fine- to coarse-grained sand, trace fine-grained gravel. As above - staining between 7 to 8 ft bgs.	X	36/60	9.9	Soil sample SRE-SB112A-007-1 collected from 7.0 to 8.0 ft bgs.
8			As above - cobble.				
	CL		SILTY CLAY - brown and gray with white, soft, very moist to wet, low plasticity, with fine- to coarse-grained sand, fine-grained gravel.			1.2	
10			End of boring at 10.0 ft bgs				
12							

Boring MW-01/SB002A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/21/2015	Surface	: Sand
Sampling Method	: Geoprobe	Latitude	: 41.851735371
Drilling Company	: Cabeno/N. Vissman	Longitude	: -88.323639670
Weston Geoscientist	: Katie Frey		
Total Depth	: 26.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCLP PAHs

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - Sand, blakck, slightly dense, moist, fine- to medium-grained sand, trace fine-grained gravel, little coarse-grained gravel	X	50/60	0.0	Soil sample SRE-SB002-001-1 collected from 1-3 ft bgs
2						0.0	
4	CL		SILTY CLAY - black, hard, slightly moist, low plasticity, trace fine-grained gravel, little fine- to medium-grained sand.				
			As above - gray with brown			0.0	
6	CL		SANDY CLAY - gray, very soft, moist, low plasticity, fine-grained grained sand, brown mottles			0.0	
8			As above - very soft to stiff		55/60	0.0	
10			As above - gray, very stiff, trace medium-grained gravel, fine-grained cobbles			0.0	
12			As above - hard, dark gray		60/60	0.0	
14			As above - very hard			0.0	
16						0.0	
18			As above - large cobble		18/60	0.0	
20	SC		SANDY GRAVEL - brown, loose, dry, fine- to coarse-grained sand, fine-grained gravel			0.0	
22	SW		SAND - brown, slightly dense, slightly moist, fine-grained, well sorted, trace medium- to coarse-grained sand, trace cobble		60/60	0.0	
			As above - no medium- to coarse-grained sand, fine-grained gravel				
24			As above - slighty moist			0.0	
26					18/18	0.0	
28			End of boring at 26.5 ft bgs due to refusal				

Boring MW-01A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/21/2015	Surface	: Sand
Sampling Method	: Geoprobe (Dual Tube)	Latitude	: 41.851731661
Drilling Company	: Cabeno/N. Vissman	Longitude	: -88.323702410
Weston Geoscientist	: Katie Frey		
Total Depth	: 20 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - Sand, slightly dense, dry, fine- to coarse-grained, trace fine-grained gravel			
			As above - brown		0.0	Located approximately 15 feet west of MW01/SB002A location.
2	ML		CLAYEY SILT - black, slightly stiff, slightly moist, low plasticity, fine- to medium-grained sand	55/60	0.0	
4			As above - black to dark gray			
			As above - soft		0.0	
6	CL		SILTY CLAY - gray, soft, moist to slightly wet, low plasticity, trace coarse-grained sand, trace fine-grained gravel, brown mottles	60/60	0.0	
8			As above - brown, soft to stiff, slightly moist		0.0	
10			As above - very stiff, medium- to coarse-grained sand, fine-grained gravel, trace medium-grained gravel		0.0	
12			As above - brown to gray, no medium-grained gravel, trace fine- to coarse-grained sand, trace fine-grained gravel	60/60	0.0	
14			As above - hard		0.0	
16					0.0	
18				50/60	0.0	
20			Refusal			
			End of boring at 20 ft bgs due to refusal.			
22						

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Boring MW-01B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/21/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe (Dual Tube)	Latitude	: 41.851647047
Drilling Company	: Cabeno/N. Vissman	Longitude	: -88.323634775
Weston Geoscientist	: Katie Frey		
Total Depth	: 19.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - Sand and Gravel, black, loose, dry, fine- to coarse-grained sand, fine-grained gravel		0.0	Located approximately 30 feet South of MW01/SB002A location.
2	SW		SAND - black, slightly dense, very moist to wet, well sorted, trace fine-grained gravel, trace slag, some brown	48/60	0.0	
4	CL		SILTY CLAY - black to dark gray, slightly stiff, slightly moist, low plasticity, trace fine- to medium-grained sand		0.0	
6			As above - slightly stiff to stiff	58/60	0.0	
8	CL		SILTY CLAY - light gray with brown, soft, moist, medium plasticity, trace fine-grained sand		0.0	
10			As above - gray with brown mottles, stiff, fine-grained sand, trace medium- to coarse-grained sand, trace fine-grained gravel		0.0	
12			As above - stiff to very stiff, no mottles	54/60	0.0	
14			As above - very stiff to hard As above - gray		0.0	
16				54/54	0.0	
18					0.0	
20			End of boring at 19.5 ft bgs due to refusal.			
22						

Boring MW-03A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/21/2015	Surface	: Grass
Sampling Method	: Geoprobe (Dual Tube)	Latitude	: 41.851902394
Drilling Company	: Cabeno/N. Vissman	Longitude	: -88.321936042
Weston Geoscientist	: Katie Frey		
Total Depth	: 18.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		FILL - Topsoil, black, slightly moist, sandy, rootlets			
	FL/GP		FILL - Sandy Gravel with clay - brown and black, slightly moist, rootlets	48/60	0.0 0.0	Located approximately 30 feet east of MW03/SB006A location.
2						
4	CL		SILTY CLAY - brown, stiff, moist, low plasticity, trace fine- to coarse-grained sand, trace rootlets, some black			
			As above - slightly stiff to soft, no rootlets, trace fine-grained gravel		0.0	
6					0.0	
			As above - gray with brown mottles	50/60		
8			As above - brown		0.0	
10			As above - very stiff, trace to little coarse-grained sand and fine-grained gravel		0.0	
12			As above - trace fine-grained sand	60/60	0.0	
14			SAND seam - 1 inch, slightly moist		0.0	
	ML		CLAYEY SILT - gray, very soft, wet, non-plastic			
16	CL		SILTY CLAY - gray, hard, dry, trace medium- to coarse-grained sand	36/36	0.0	
18			End of boring at 18.0 ft bgs due to refusal.			
20						
22						

Boring MW-03/SB006A

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/21/2015	Surface	: Sand
Sampling Method	: Geoprobe	Latitude	: 41.851735371
Drilling Company	: Cabeno/N. Vissman	Longitude	: -88.323639670
Weston Geoscientist	: Katie Frey		
Total Depth	: 26.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
FOC, Grain size
Bulk density

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - Sand, dark brown, loose, slightly moist, fine- to coarse-grained sand, poorly sorted, littel fine-grained gravel			0.0	
2			As above - with clay, dense	☒	52/60	0.0	Soil sample SRE-SB006-001-1 was collected between 1.0 and 3.0 ft bgs
4	SP		SAND with little clay, soft, moist, low plasticity As above - very soft			0.0	
6	CL		SANDY CLAY - brown, soft to slightly stiff, slightly moist, little fine- to medium-grained sand, little fine-grained gravel As above - slightly stiff to hard, medium plasticity As above - brown with gray mottles		50/60	0.0	
8			As above - no mottling			0.0	
10	CL		SILTY CLAY - dark gray, very hard, slightly moist, low plasticity, little fine- to coarse-grained sand, fine-grained gravel			0.0	
12					60/60	0.0	
14						0.0	
16						0.0	
18					60/60	0.0	
20					0/12	0.0	
22			End of boring at 21 ft bgs due to refusal.				

Boring MW-01C

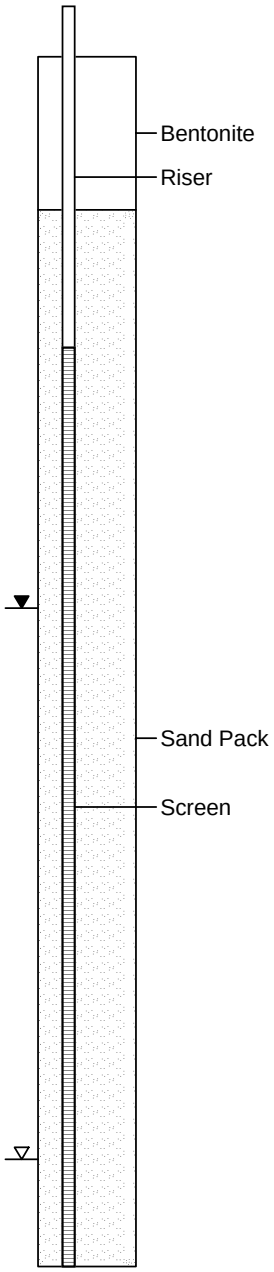
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 7/22/2015	Surface	: Sand/Gravel
Sampling Method	: Geoprobe (Dual Tube)	Northing	: 1888579.363
Drilling Company	: Cabeno/N. Vissman	Easting	: 986890.455
Weston Geoscientist	: Katie Frey		
Total Depth	: 19.75 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - Sand and Gravel, dense, slightly moist, fine- to medium-grained sand, fine-grained gravel, little clay		0.0	Located approximately 20 ft north of MW01/SB002A location.
	FL/SP					
	GP		FILL - Sand, black, slightly dense, moist, fine-grained gravel			
2			GRAVEL - white, loose, dry, fine-grained	20/60		
	CL		SILTY CLAY - dark gray, slightly soft, slightly moist to dry/crumbly, low plasticity to non-plastic, trace fine-grained sand		0.0	
4			As above - slightly stiff, slightly moist		0.0	
6			As above - soft			
			As above - gray with brown mottling		0.0	
8				48/60		
			As above - brown with gray, very moist to wet, coarse-grained sand, fine-grained gravel		0.0	
10			As above - slightly stiff, slightly moist, trace fine-grained gravel			
			As above - gray		0.0	
12			GRAVEL seam - fine-grained	60/60		
	CL		SILTY CLAY - gray, stiff, slightly moist, low plasticity, little fine- to coarse-grained sand, little fine-grained gravel		0.0	
14			As above - very stiff, trace coarse-grained sand, trace fine-grained gravel		0.0	
16					0.0	
				60/60		
18			SAND seam - slightly moist, fine-grained		0.0	
20			End of boring at 19.75 ft bgs due to refusal.			
22						

Monitoring Well
MW-01



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Boring MW01D

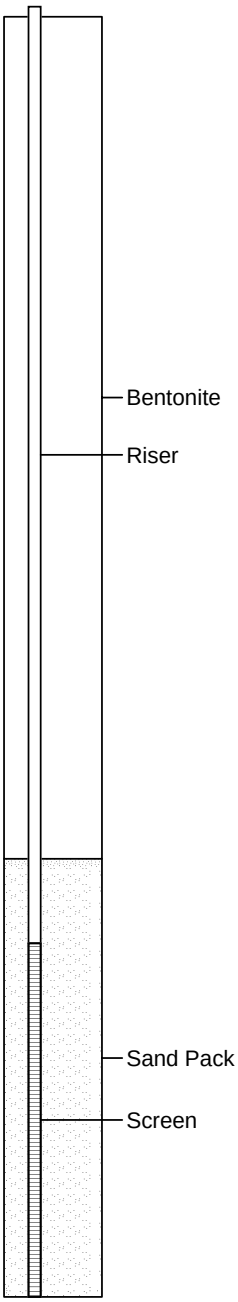
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 09/25/15	Surface	: Grass
Sampling Method	: HSA	Latitude	: 41.851921857
Drilling Company	: Earth Solutions	Longitude	: -88.322673668
Weston Geoscientist	: Tim Walls		
Total Depth	: 38.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0–4	FL/CL	SILTY CLAY - dark brown, slighty stiff, slightly moist, some silt, trace medium-grained sand, trace medium-to-coarse-grained angular gravel, trace coarse-grained gravel-sized slag.	18/60	0.0, 0.0	
4–12	CH	CLAY - gray, slightly stiff, moist, little medium-to-coarse-grained well rounded gravel, trace medium-grained sand, brown mottling, reddish-brown oxidized staining, medium-to-high-plasticity.	60/60, 60/60	0.0, 0.0, 0.0, 0.0	
12–16	CL	CLAY - dark gray, hard, slightly moist-to-moist, trace coarse-grained sand, medium-grained subrounded gravel, low-to-medium-plasticity.		0.0, 0.0	
16–18	CH	CLAY - dark gray, hard, moist, medium-to-high-plasticity.	60/60	0.0, 0.0	
18–20	SW	SAND AND GRAVEL - brown, loose, moist-to-very moist, fine-to-coarse-grained sand, fine-to-coarse-grained subrounded gravel, well graded.		0.1	
20–32	SM	SILTY SAND - tan-to-brown, some silt, loose, moist, very fine grained sand, poorly graded, trace medium grained subangular gravel, very slight odor, occasional 0.25 inches very moist seams.	42/60, 53/60	0.1, 0.1, 0.0, 0.0	
		As Above - slighty stiff.			
		As Above - very moist.		0.0	
32–34	SW	SAND - reddish brown-to-tan, loose, fine-to-medium-grained subrounded gravel, well graded.	31/60	0.0	
34–38	LS, LS	BEDROCK - tan-to-reddish brown, medium-to-coarse-grained crushed limestone, coarse grained-to-cobble sized material.	6/6	0.0	
		BEDROCK - tan, competent, fine-crystalline limestone, trace fossils.			
38–40		End of boring at 38.0 ft bgs due to refusal on bedrock.			

Monitoring Well MW01D



Boring MW-02/SB011

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

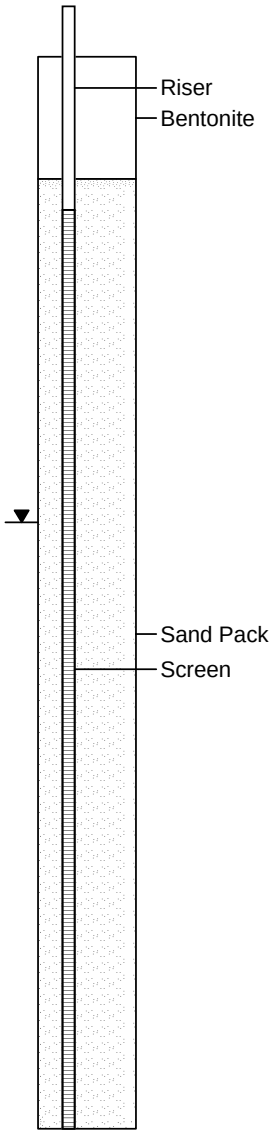
Date	: 7/21/2015	Surface	: Sand
Sampling Method	: Geoprobe (Dual Tube)	Northing	: 1888462.031
Drilling Company	: Cabeno/N. Vissman	Easting	: 987081.822
Weston Geoscientist	: Katie Frey		
Total Depth	: 17.5 ft bgs		

Sample Comments: Investigative Sample; Duplicate Sample; MS/MSD Sample

Analyses Performed: TCL VOCs, TCL SVOCs, Total/Dissolved Metals, Pesticides/PCBs, Cyanide

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/SP		FILL - Sand, black, loose, dry, fine- to coarse-grained, poorly sorted, fine-grained gravel			0.0	
2			As above - slightly moist, fine-grained sand, well sorted, powdery		36/60	0.0	Soil sample SRE-SB011-003-1 collected from 3-5 ft bgs for TCLP PAHs.
4	CL		SILT CLAY - black, stiff, slightly moist, low plasticity, trace fine-grained sand			0.0	
6	CL		SILTY CLAY - dark gray, slightly stiff, slightly moist, low plasticity, product globules				Groundwater samples SRE-MW02-XXX-01-1 and SRE-MW02-XXX-01-1 collected on 7/24/15.
			As above - stiff to very stiff			0.0	
8	SC		CLAYEY SAND - soft, very wet, fine- to coarse-grained sand, low plasticity, product globules, little fine-grained gravel		60/60	0.0	
10	CL		SANDY CLAY - brown, stiff, moist, low plasticity, fine- to coarse-grained sand, fine grained-grained			0.0	
12					60/60		
			As above - brown to gray, very stiff, slightly moist to dry			0.0	
14			As above - trace sand and gravel			0.0	
16					30/30		
	GW		SAND and GRAVEL - brown, loose, dry, crumbly			0.0	
18			End of boring at 17.5 ft bgs due to refusal.				
20							
22							

Monitoring Well MW-02



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Boring MW02D

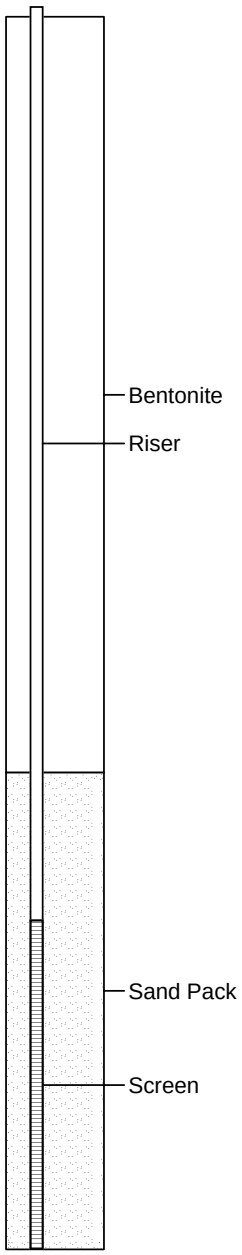
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 09/25/15	Surface	: Sand/Gravel
Sampling Method	: HSA	Latitude	: 41.851424337
Drilling Company	: Earth Solutions	Longitude	: -88.322947728
Weston Geoscientist	: Tim Walls		
Total Depth	: 37.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP	SAND AND GRAVEL - tan, loose, fine-to-coarse-grained sand, fine-to-coarse-grained angular gravel, poorly graded, trace foundry slag.	20/60	0.0	
2	FL/SP	FOUNDRY SAND - dark brown, loose, moist, fine-to-medium-grained, poorly graded, trace red brick.		0.0	
4	CL	CLAY - dark gray-to-gray, stiff, moist, trace silt, medium-to-high-plasticity, odor.	49/60	2.6	
6				60.7	
8				38.2	
10	CM	CLAY - gray, soft, very moist, trace sand, trace coarse-grained subrounded gravel, medium plasticity, slight odor.	52/60	0.8	
12	CL	SILTY CLAY - gray, hard, slightly moist, some silt, little medium-to-coarse-grained subrounded gravel, low plasticity.		0.0	
14	CH	CLAY - gray, hard, slightly moist, trace medium-to-coarse-grained subrounded gravel, medium plasticity.	41/60	0.0	
16				0.0	
18	GW	SAND AND GRAVEL - brown, loose, moist, fine-to-coarse-grained sand, medium-to-coarse-grained subrounded gravel, well graded, cobble.		0.0	
20				0.0	
22		As Above - very moist, cobble in shoe.	20/60	0.0	
24	ML	SANDY SILT - tan, very hard, some very fine-grained sand, non-plastic, reddish brown oxidized seams.		0.0	
26				0.0	
28		As Above - 1.7 inch fine-to-medium-grained sand seam.	52/60	0.0	
30	SM	As Above - 2 inch medium-grained sand seam. SILTY SAND - tan, slightly stiff, moist, some silt, fine-grained sand.		0.0	
32	ML	SILTY SAND - gray, very hard, slightly moist, some fine-grained sand, trace fine-to-medium-grained subangular gravel.	56/60	0.0	
34	LS	As Above - 3 inch fine-to-medium-grained sand seam, very moist.		0.0	
36	LS	BEDROCK -reddish brown-to-tan, weathered, some medium-grained sand, some sand, medium-to-coarse-grained gravel-sized crushed limestone, very moist.	4/6		
38		BEDROCK - tan-to-reddish brown, fine crystalline.			
40					

Monitoring Well MW02D



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Boring MW-03B

Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

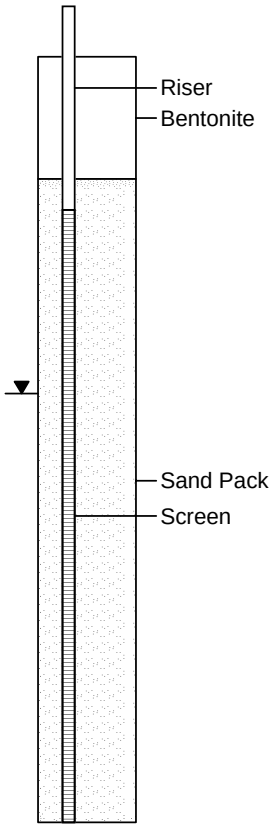
Date	: 7/21/2015	Surface	: Grass
Sampling Method	: Geoprobe (Dual Tube)	Northing	: 1888560.288
Drilling Company	: Cabeno/N. Vissman	Easting	: 987361.867
Weston Geoscientist	: Katie Frey		
Total Depth	: 12.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Analyses Performed
TCL VOCs, TCL SVOCs, Total/Dissolved Metals, Pesticides/PCBs, Cyanide

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		FILL - Topsoil, black, slightly moist, crumbly, fine- to coarse-grained sand, fine-grained gravel, roots		0.0	Located approximately 60 ft south of MW03/SB006A location.
2	SC		CLAYEY SAND - dark brown, slightly moist, fine- to medium-grained, trace coarse-grained sand, trace rootlets	55/60	0.0	
4	CL		SILTY CLAY - brown, very soft, moist, low plasticity		0.0	
6	ML		CLAYEY SILT - wet to saturated, trace coarse-grained sand and fine-grained gravel, non-plastic SAND and GRAVEL seam - 2 inches, wet		0.0	Groundwater sample SRE-MW03-XXX-01-1 collected on 7/23/15.
8	CL		SILTY CLAY - brown with gray mollting, slightly stiff, moist, medium plasticity, trace coarse-grained sand, trace fine-grained gravel	36/60	0.0	
10	CL		SILTY CLAY - dark brown, very hard, slightly moist to dry, crumbly, litte medium- to coarse-grained sand, with fine-grained gravel.	30/30	0.0	
12			End of boring at 12.5 ft bgs due to refusal on bedrock.		0.0	
14						
16						
18						
20						
22						

Monitoring Well MW-03



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Boring MW03D

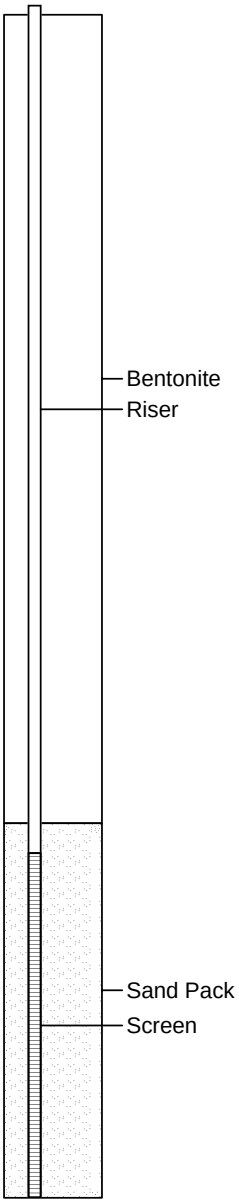
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 09/24/15	Surface	: Grass
Sampling Method	: HSA	Latitude	: 41.851689203
Drilling Company	: Earth Solutions	Longitude	: -88.321885034
Weston Geoscientist	: Tim Walls		
Total Depth	: 39.5 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/CL	SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, trace medium-grained angular gravel, low plasticity, trace red brick.	30/60	0.0 0.0	
4	CH	CLAY - gray, stiff, slightly moist, brown mottling, medium-to-high-plasticity.		0.0	
6	CH	CLAY - brown, soft, very moist, trace coarse-grained subrounded gravel, medium plasticity.	56/60	0.0	
8	ML	SANDY SILT - brown, slightly stiff, moist-to-saturated, fine-grained sand.		0.0	
10	CH	CLAY - reddish brown, stiff, moist,trace coarse-grained sand, trace medium-grained well rounded gravel, medium-to-high plasticity.	12/60	0.0 0.0	
14		As Above - limestone cobbles in cutting shoe.		0.0 0.0	
18	SW	SAND AND GRAVEL - brown, loose, moist, fine-to-medium-grained sand, medium-to-coarse-grained well rounded gravel, well graded.	12/60 42/60	0.0 0.0 0.0	
24	ML SW	SANDY SILT - brown, stiff, moist, some medium-grained sand, trace coarse-grained well rounded gravel.		0.0	
26	CL	SAND - brown, loose, moist, fine-to-medium-grained, well graded, limestone cobbles.	60/60	0.0	
30	CH	SILTY SANDY CLAY - brown, stiff, moist, some fine-graine sand, some silt, trace medium-grained well rounded gravel, low plasticity.		0.0 0.0	
32		CLAY - gray, stiff, mloist, trace coarse-grained sand, medium-to-high plasticity.	54/60	0.0	
34	SM	SILTY SAND - gray, very moist, stiff, some silt, very fine-grained sand, occasional 0.5 inch silt layers, well graded.		0.0	
36	CL	CLAY - gray, stiff, moist, little medium-to-coarse-grained subrounded gravel, low-to-medium plasticity.	39/60	0.0	
38	LS LS	BEDROCK - tan, weathered, loose, coarse-grained gravel-to-cobble-sized crushed limestone.			
42		BEDROCK - tan-to-reddish brown, fine crystalline, trace fossils.			
44		End of boring at 39.5 ft bgs due to refusal on bedrock.			

Monitoring Well MW03D



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Boring MW-04

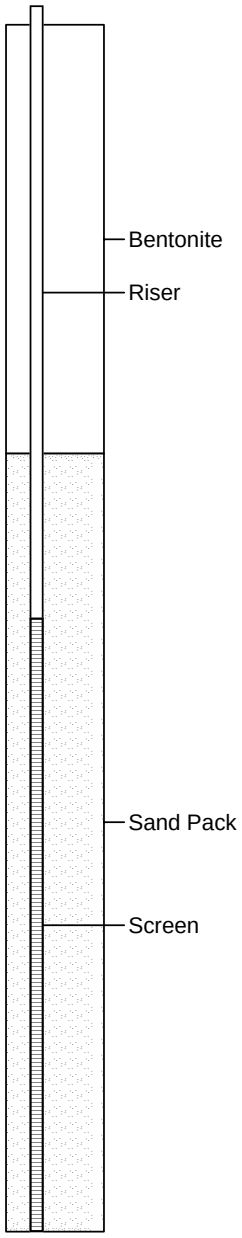
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 08/11/15	Surface	: Gravel
Sampling Method	: Geoprobe (Dual Tube) and HSA	Northing	: 1888201.826
Drilling Company	: Cabeno/D. Allgood	Easting	: 986980.270
Weston Geoscientist	: Katie Frey		
Total Depth	: 20.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL/GP		FILL - Gravel, tan, medium to coarse-grained, well sorted, dry			
	CL		SILTY CLAY - gray, little fine to medium-grained sand, soft, low plasticity, moist		0.0	
2			gray cobble	48/60		
	CL		SILTY CLAY - light brown, with fine to coarse-grained sand, moist to slightly wet, soft to slightly stiff, medium plasticity		0.0	
4					0.0	
6			Stiff, trace fine-grained gravel, low plasticity			
			Slightly moist	58/60	0.0	
8			Some gray, very stiff			
					0.0	
10			Very soft			
			Brownish gray, very stiff, trace fine to medium-grained gravel		0.0	
12			Little fine to coarse-grained sand	60/60		
					0.0	
14					0.0	
16	CH		SILTY CLAY - gray, soft, trace medium to coarse-grained sand, wet, no plasticity, sticky		0.0	
18				48/60		
	SW		SAND - brown, fine to medium-grained, well sorted, very moist		0.0	
	GP		SAND AND GRAVEL - tan, fine to coarse-grained, dry, crumbly, fractured bedrock.			
20			End of boring at 20.0 ft bgs due to refusal.			
22						

Monitoring Well MW-04



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Boring MW04D

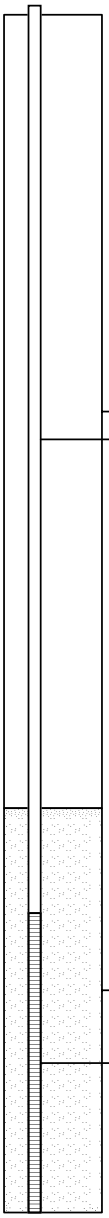
Former Siemens Facility
1000 McKee Street
Batavia, Kane County, Illinois

Date	: 09/24/15	Surface	: Concrete
Sampling Method	: HSA	Latitude	: 41.850640467
Drilling Company	: Earth Solutions	Longitude	: -88.323345283
Weston Geoscientist	: Tim Walls		
Total Depth	: 40.0 ft bgs		

Sample Comments
- Investigative Sample
- Duplicate Sample
- MS/MSD Sample

Depth in Feet	USCS	DESCRIPTION	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL	Concrete		0.0	
2	FL/CL	SILTY CLAY - dark brown, slightly stiff, slightly moist, some silt, little coarse-grained angular gravel, low plasticity.	38/60	0.0	
4					
6	CH	CLAY - gray, soft, very moist, brown mottling, medium-to-high-plasticity, trace coarse-grained well rounded gravel.	48/60	0.1	
8				0.0	
10	CH	CLAY - dark gray, hard, moist, trace coarse-grained sand, trace medium-to-coarse-grained subrounded gravel, medium-to-high-plasticity.	60/60	0.3	
12				0.4	
14				0.1	
16				0.0	
18			44/60	0.0	
20	SW	SAND - brown, loose, moist, fine-to-medium-grained.		0.0	
22	CL	As Above - crushed limestone boulders. SANDY CLAY - tan, soft, wet.	24/60	0.0 ---	
24	CL	SILTY SANDY CLAY - reddish brown, stiff, some fine-graine sand, trace coarse-grained sand, some silt, occasional cobbles.		0.0	
26	LS	BOULDER - hard, dulling.		0.0	
28	SW	SAND - brown, loose, very moist-to-saturated, fine-to-coarse-grained, well graded.	32/60	0.0	
30				---	
32		As Above - wet.	29/60	---	
34	ML	CLAYEY SILT - gray, very crumbly, moist, some clay, non-to-low-plasticity, 1-to-2-mm partings.		0.0	
36	SW	SAND - gray, slightly stiff, saturated, fine-to-coarse-grained sand, well graded, medium-to-high plasticity, trace fine-grained well rounded gravel.	24/60	---	
38				0.0	
40	ML LS	SILT - tan-to-gray, very moist, hard, laminar 1mm partings, medium-grained gravel sized angular limestone.			
42		BEDROCK - limestone.			
44		End of boring at 40.0 ft bgs due to refusal on bedrock.			

Monitoring Well MW04D



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APPENDIX E
JLT Laboratories Report

JLT LABORATORIES, INC.
GEOTECHNICAL, GEOSYNTHETIC AND MATERIALS TESTING AND RESEARCH

May 26, 2015
15LR3223.01

Weston Solutions, Inc.
300 Plaza Circle
Suite 202
Mundelein, IL 60060-2342

DRAFT

Attn: Jennifer Troast

RE: GEOTECHNICAL EVALUATION OF SIEMEN-BATAVIA FILL MATERIALS

Dear Ms. Troast:

At the request of Siemens and Weston, JLT Laboratories performed an evaluation of fill samples from the Siemen-Batavia site. Photograph No. 1 shows typical test pits exposing the black fill material.

The focus of our work was to evaluate the basic physical properties of the fill and to determine if there are any obvious contaminants and the possible type of contamination. To evaluate these characteristics we performed the following sequence of testing.

Gradation

A standard sieve analysis was performed per ASTM D-422. A representative sample was oven dried at 105°C to determine the initial dry weight of solids. This dry sample was washed over the No. 200 sieve to remove all fines. This washed sample was dried again at 105°C to determine the amount retained on the plus 200 sieve. The results of the sieve analysis is presented in the attachment. The unified soil classification of this material per ASTM D-2487 is a coarse to fine silty sand with some fine gravel (SM). The amount passing the No. 200 sieve is about 14.1%. These fines were found to be non-plastic.

As seen on Photos 2 and 3 the cleaned material appears to be common granular fill with woody fragments. The fine black material colored the entire sample.

During the washing process the wash water readily passed through the sample indicating the material (including the black fines) did not exhibit either hydrophobic or hydrophilic characteristics. There was also no evidence during the washing process to indicate the particles were coated with any type of adhering hydrocarbons / oils.

938 South Central Avenue • Canonsburg, Pennsylvania 15317 Tel: (724) 746-4441 Fax: (724) 745-4261

Surfactant Test

To further evaluate the presence of adhering hydrocarbons, a simple surfactant test was performed as shown on Photograph 4. The material was subject to a solution of water with Dawn soap (3%). The soap loosens adhering hydrocarbons. Having a specific gravity less than water, these hydrocarbons tend to float to the surface. After 24 hours, we dipped strips of oil absorbent strips into the graduate. No oil/hydrocarbons adhered to the strips.

Vapor / Odor Test

As shown on Photograph 5, a sample of the fill material was placed in a 2 inch split spoon jar. The jar was sealed with a 5 mil latex membrane. After 24 hours, no vapors were generated and there was no odor. We also checked the contents of the membrane with a spark test and no reaction occurred.

Ignition Test

A three (3) step simple ignition test was also performed as shown on Photographs 6 and 7. The first test was a spark test with no reaction. We then subjected the specimen to a moderate temperature butane flame with no reaction. The third ignition attempt used a high temperate propane flame with no reaction.

Sediment Test

As described on Photo 8, the black fines were subject to a sedimentation test. We found that some particles floated, others remained in suspension and others settled.

The settled particles indicated a specific gravity greater than 1. The suspended particles initially indicated after 24 hours the possibility that surface forces maybe keeping the particles dispersed. However, after 48 hours all of the suspended particles settled. This indicated the specific gravity of these particles are just slightly greater than 1.

The floating particles were then examined under a stereo microscope. These particles showed evidence of microscopic pores. If they are isolated (sealed) the entrapped air would prevent these particles from settling. These pores also indicated the material was subject to high heat. This is common in heating coal such as in coking or similar process.

Visual 50X Examination

Using a Pro-Scope under a 50X magnification we examined the black fine particles as shown in Photographs 9, 10 & 11. The particles were thin and flat with angular edges consistent with a brittle material often collected using a wet washing process.

Conclusion

The material classifies as a silty sand (SM) with fine gravel and wood fragments with about 14% passing the No. 200 sieve. This fine material is non-plastic and not a clay. The fines are also not hydrophilic or hydrophobic. There was no adhering hydrocarbons found, no vapors released or any perceivable odors. These particles were inert to sparks, a medium flame or a high temperature flame.

Visually the fines appear to be flat and brittle with angular edges. All of the evidence from these tests suggest an inert carbon based product very similar to the dust collected from a coking or similar process. There was no evidence to suggest from a geotechnical perspective, the fines are hazardous. However, the fines are quite light and can easily become airborne. Thus, the possibility of inhalation should be considered when dry.

Recommendations

To further evaluate the fines a chemical analysis is recommended to determine the constituents of the fines. A potential analytical test may be a GC Mass Spec analysis of the fines. I would suggest a competent analytical laboratory be consulted for the most applicable test. JLT Laboratories can provide a sample of the material passing the No. 100 sieve for analytical testing.

We appreciate the opportunity to provide our services and look forward to working with you again. Should you have any questions, comments or require additional information, please do not hesitate to call. Thank you.

Sincerely,

JLT LABORATORIES, INC.

DRAFT

John Boschuk, Jr., P.E., C.F.E.
President

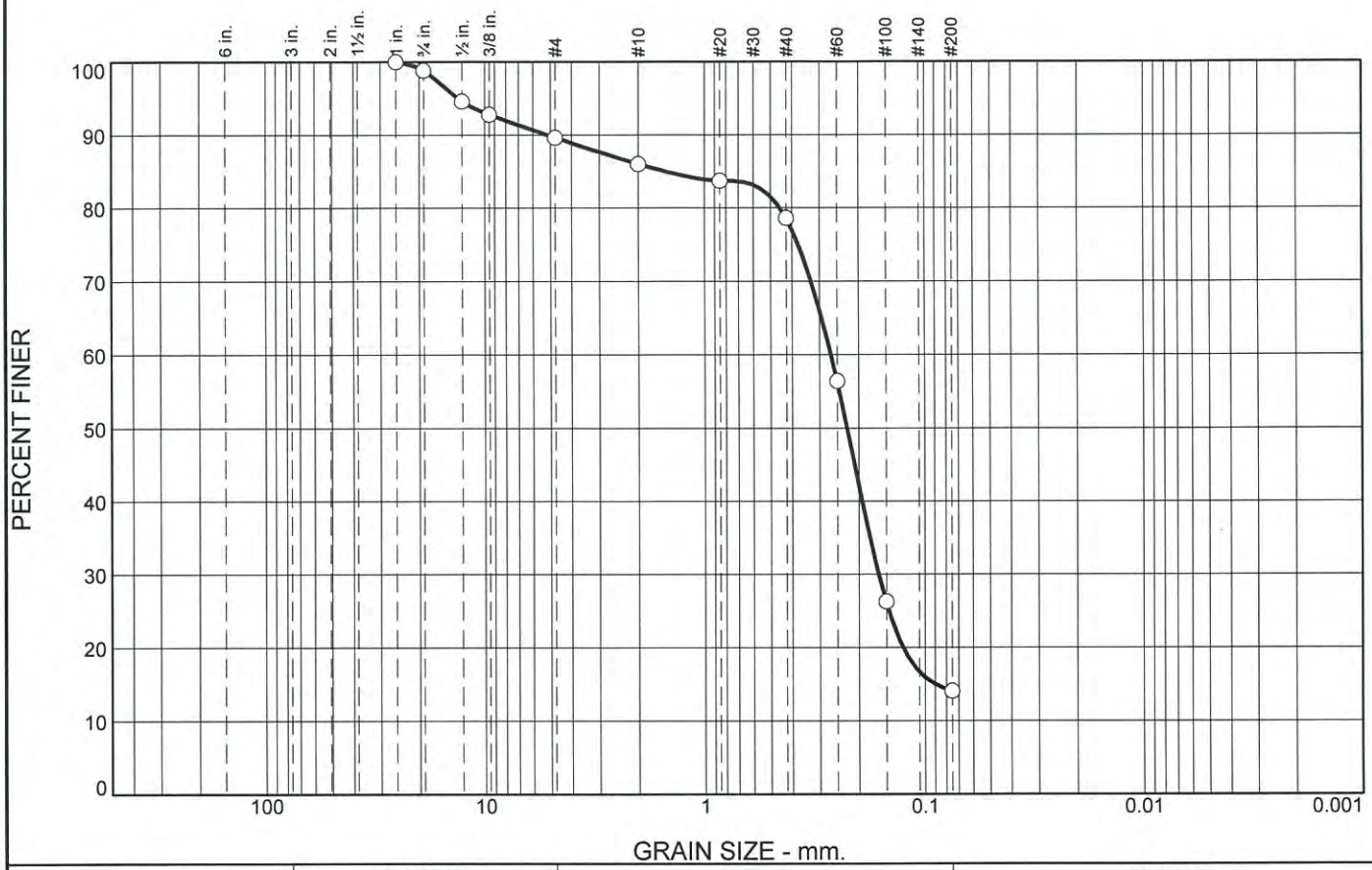
Enclosures
JB/mlb
\wp10\letter\15137
Inv# 5985

GRADATION

ASTM D-422

JLT Laboratories, Inc.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	1.2	9.2	3.5	7.5	64.5	14.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.00	100.0		
0.75	98.8		
0.50	94.6		
0.375	92.8		
#4	89.6		
#10	86.1		
#20	83.8		
#40	78.6		
#60	56.4		
#100	26.3		
#200	14.1		

* (no specification provided)

Material Description

SRE-BLKSAND-TP1/2/5-Forensic

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 5.1479 D_{85}= 1.5029 D_{60}= 0.2662
D_{50}= 0.2251 D_{30}= 0.1620 D_{15}= 0.0898
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Remarks

As-Rec'd M/C = 11.61%

Location: Siemens-Batavia
Sample Number: SRE-BLKSAND-TP1/2/5

Date: 05/20/2015

JLT Laboratories, Inc.

Canonsburg, PA

Client: Weston Solutions, Inc.
Project: Siemens-Batavia
Project No: 15LR3223.01 **Figure**

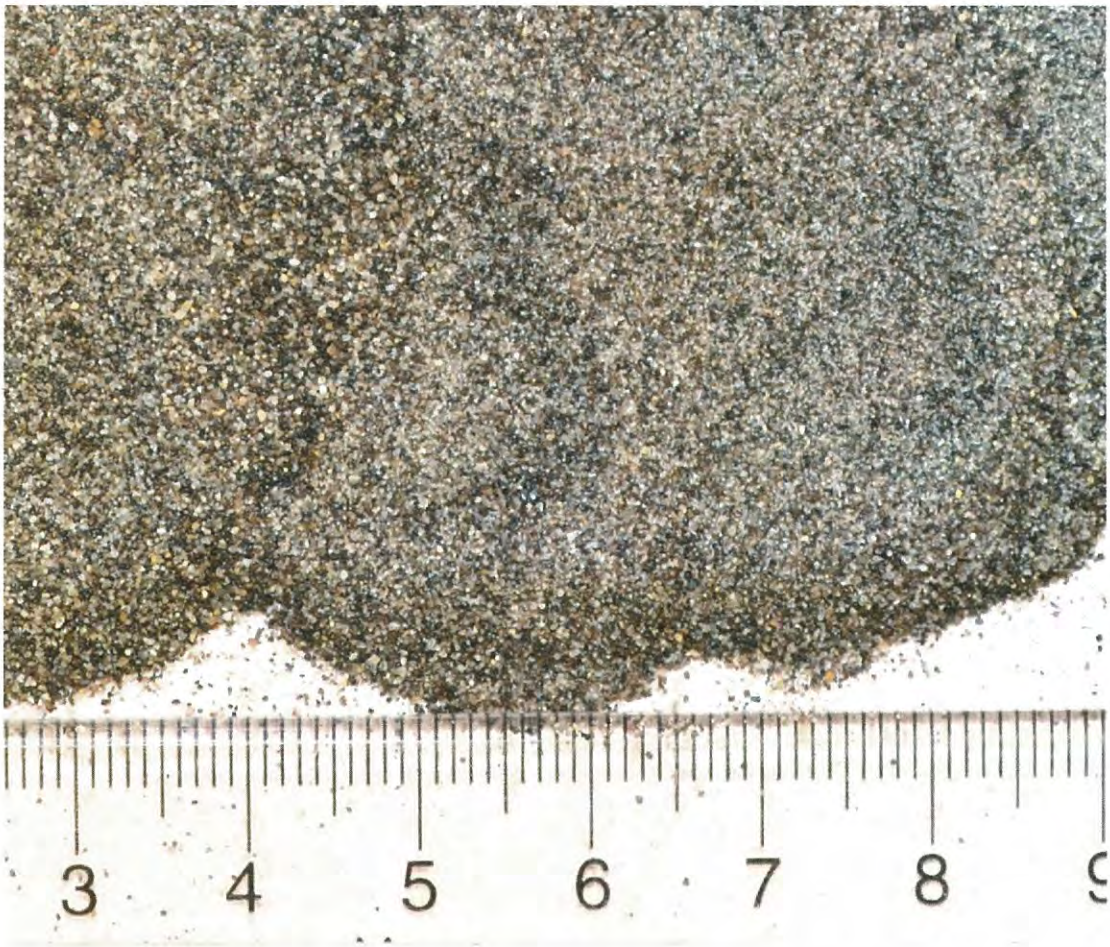
Tested By: RL **Checked By:** JB

PHOTOGRAPHS

Typical Test Pit Photos

Photo of the +200 Washed Material used for gradation
Per ASTM D-422

Closer View of Sample



Macro-Photo of just the material passing the No 40 sieve.

**NOTE: The material after washing appears to be a common
Sand with some fine Gravel and occasional organics (Woody Fragments)
The fines are black and inert that colorizes the entire sample.
These fines tend to remain suspended in water
as one can see in the Oil Release Test Photograph.
These fines appear to be a burnt waste product.
They contain no visible oils, are not flammable and may be
a simple burnt inert inorganic residue**

1. Graduate filled to 250 ml level with sample.
2. A solution of distilled water with 3% Dawn soap added to 500 ml level
3. Cylinder is inverted similar to Hydrometer test to mix sample
4. Allow the cylinder to stand for 24 hours
5. If Oils (hydrocarbons) are present, they tend to float on the surface because the specific gravity is generally less than water.
6. Insert a strip of oil absorbing filter paper on the surface to absorb any hydrocarbons
7. No hydrocarbons adhered to the filter paper

500 Ml Graduate Surfactant Test

1. Sample is placed in a 2" Split Spoon Jar
2. Sample is sealed with a 5 mil latex membrane
3. If vapors are generated , they are collected in the membrane.
4. No vapors were generated and the air in the membrane did not ignite with a propane flame

Vapor Collection Odor Test

JLT Laboratories, Inc.

Photograph No 5

Test No 1. - Sample was subject to a Spark Test with no reaction.
Test No 2. – Sample was subjected to a Butane Flame with no reaction

Butane Flame Test

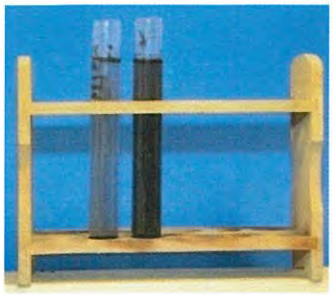
JLT Laboratories, Inc.

Photograph No 6

Using a Propane High Temperature Torch, the flame was used in an attempt to ignite the sample. There was no reaction

The fine material appears to be a burnt residue of some type

High Temperature Propane Flame Test



1. A sample of the material was oven dried.
2. Once dry, the material was sieved over the No 100, No 200 sieves and Pan.
3. There was no attempt to remove any fine particles adhering to the larger particles.
4. Material Passing the 100 sieve and Retained on the 200 sieve was collected.
5. Material Passing the 200 sieve was also collected
6. A 0.75 gram sample of the +200 sieve was placed in the left test tube
7. A 0.75 gram sample of the -200 sieve was placed in the right test tube.

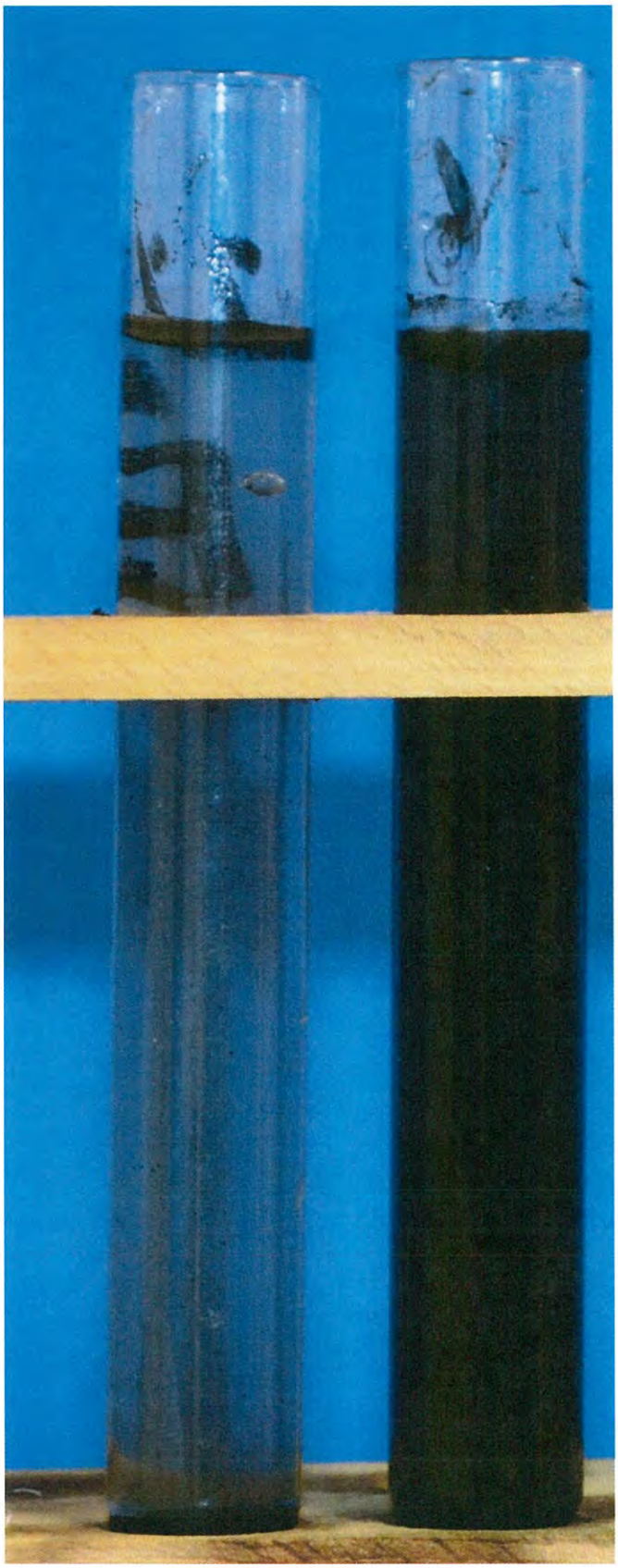
AFTER 24 HOURS

LEFT TEST TUBE (plus 200 Sieve)
Most of the material immediately settled to bottom and visually appeared to be a fine Sand The black material adhering to the sand particles separated and floated on the surface. A very small amount remained in suspension in the tube.

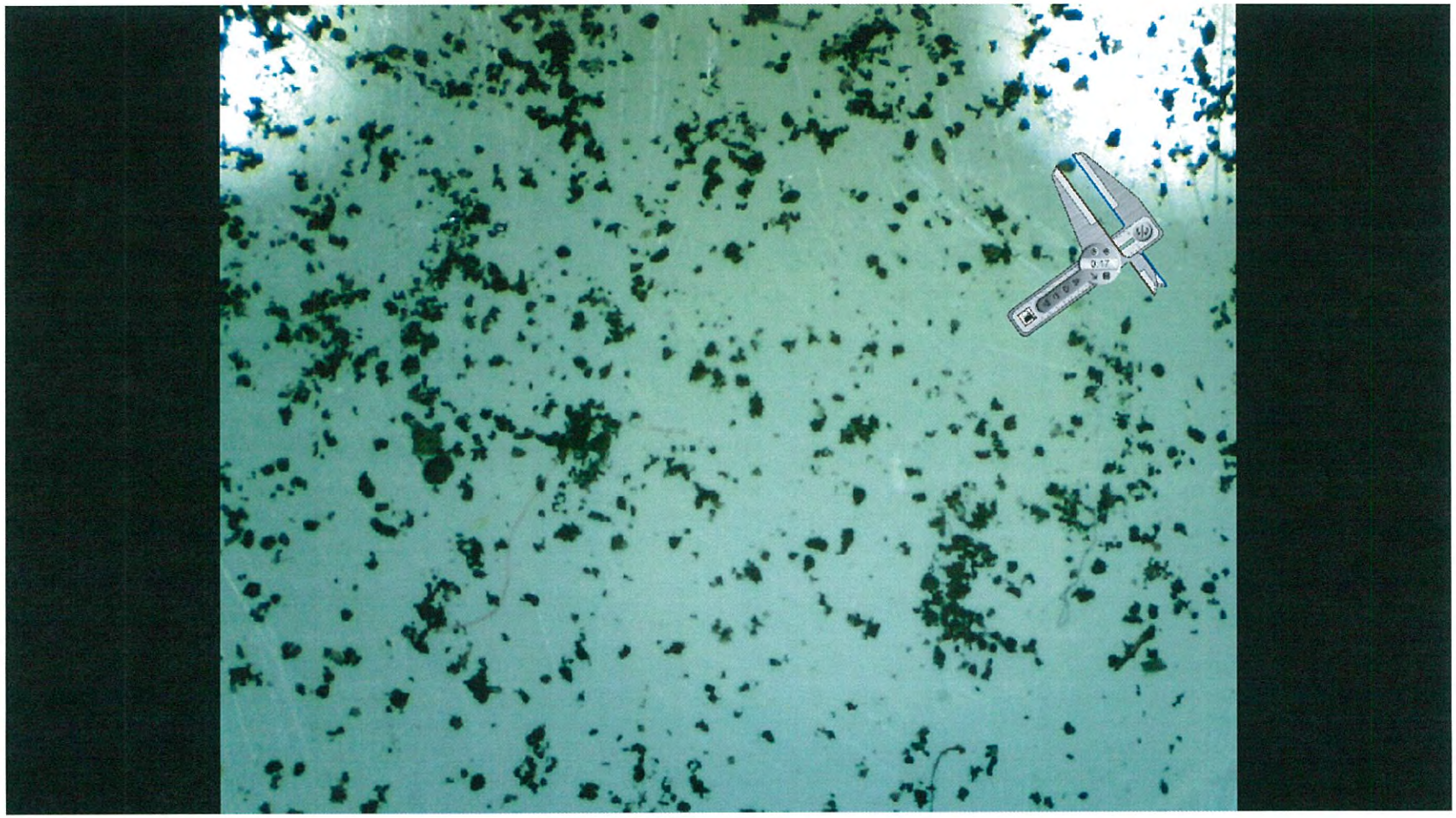
RIGHT TEST TUBE (minus 200 Sieve)
Some material floated while other material remained in suspension with a very small quantity settling to the bottom. The settled material exhibited the same color as the sand and NOT Black.

The black material appears to have a specific gravity of less then water (Floating) while the other black material remained in suspension indicating a specific gravity about the same as water or in suspension due to particle forces.

Based on this test and the other tests, the data suggests the fine black material consists of less than 14 % of the total sample. This extremely fine "powder-like" material altered the color of the entire sample. By feel coupled with the other test data suggests this is a carbon based product that could be carbon black or similar from a high heating process.



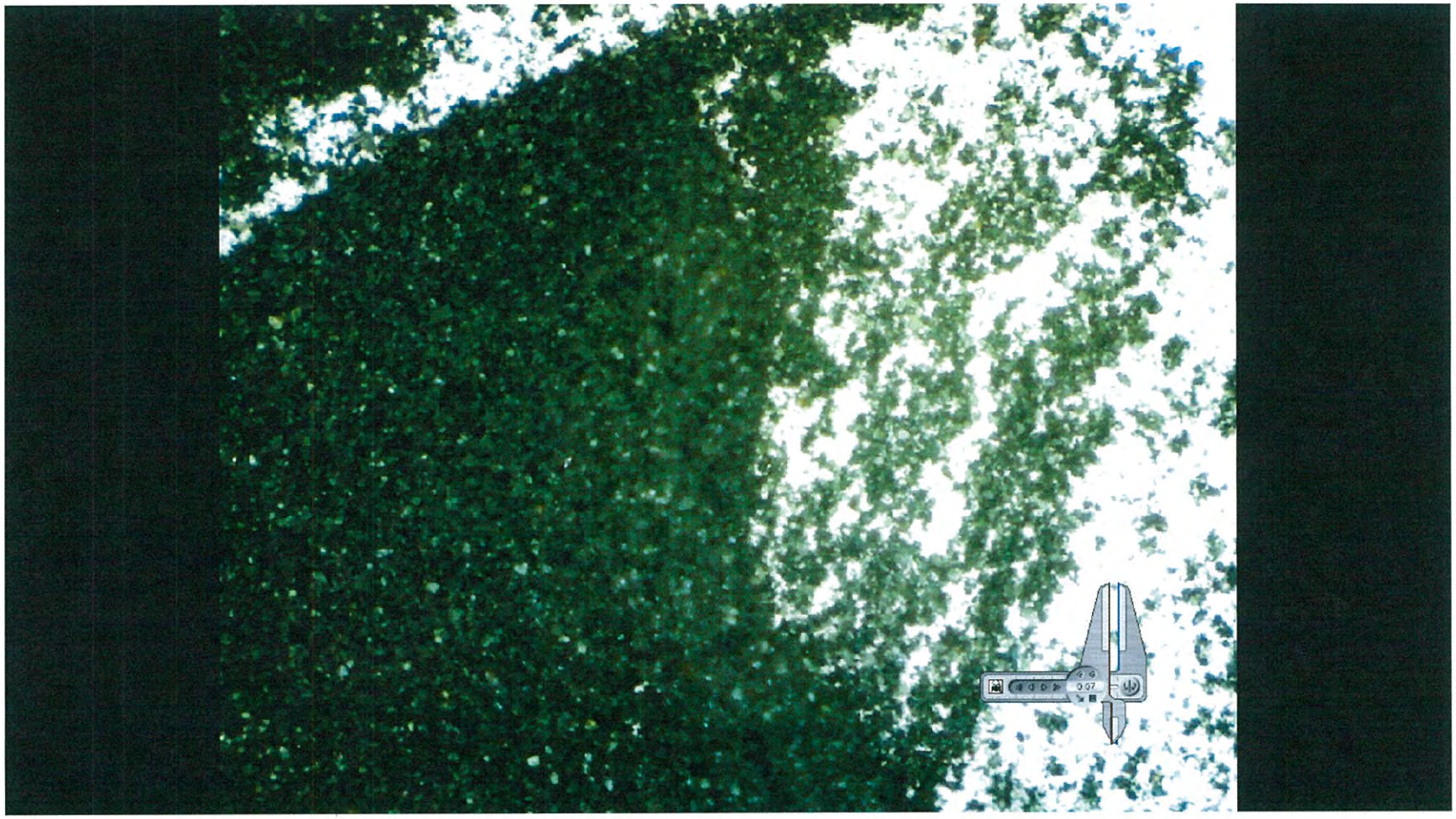
Pro Scope 50X



JLT Laboratories, Inc.

Photo No 9

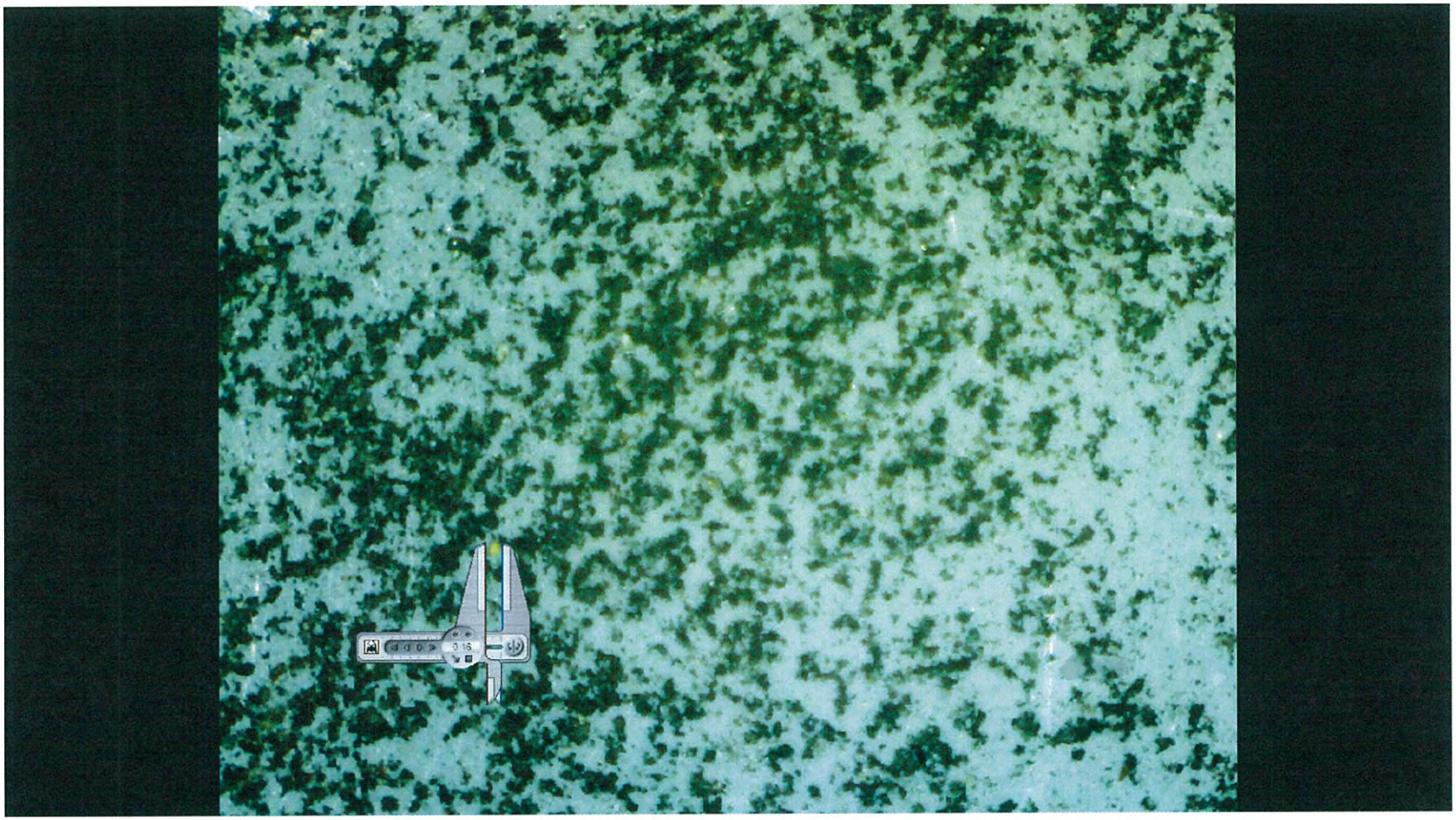
Pro Scope 50X



JLT Laboratories, Inc.

Photo No 10

Pro Scope 50X



JLT Laboratories, Inc.

Photo No 11

APPENDIX F
Field Sampling Forms

Table F-1
Field Parameters Collected During Groundwater Sampling
Former Siemens Facility
Batavia, Kane County, Illinois

Location ID	Sampling Date	pH (SU)	Temperature (^{o}C)	Specific Conductivity (uS/cm)	Turbidity (NTU)
Shallow Monitoring Wells					
MW02	7/24/2015	6.89	20.03	1,241	9.72
		6.96	19.94	1,235	2.13
		6.98	19.67	1,234	1.51
		7.01	19.90	1,233	1.48
MW03	7/23/2015	6.89	22.16	655	434
		7.09	20.84	645	222
		7.12	19.80	642	146
		7.11	18.79	642	100
		7.12	19.10	641	54.0
		7.11	19.01	642	45.0
		7.08	19.37	641	67.8
		7.07	19.80	643	69.7
		7.07	19.31	643	75.8
		7.07	18.82	642	67.7
		7.07	19.22	641	51.1
		7.08	19.40	642	48.7
		7.07	19.19	641	48.4
Deep Monitoring Wells					
MW01D	10/1/2015	8.21	14.31	1,116	62.2
		8.47	14.29	1,116	348
		8.45	14.24	1,105	121
		8.46	14.21	1,099	59.4
		8.45	14.25	1,096	42.6
		8.46	14.27	1,094	26.5
		8.46	14.27	1,090	24.9
		8.46	14.25	1,088	24.2
MW02D	10/1/2015	8.28	14.59	1,225	125
		8.36	14.60	1,223	53.6
		8.36	14.56	1,218	28.2
		8.36	14.51	1,215	14.3
		8.35	14.50	1,217	12.5
		8.36	14.49	1,217	11.6
		8.36	14.47	1,215	9.00
		8.35	14.49	1,215	8.31
		8.36	14.52	1,215	6.61
		8.35	14.51	1,213	6.05
		8.36	14.52	1,214	6.16
MW02D	11/13/2015	7.04	13.09	1,079	19
		7.25	13.09	1,080	16.1
		7.30	13.07	1,081	28.8
		7.34	13.12	1,081	34.3
		7.34	13.14	1,080	25.4
		7.35	13.18	1,080	19.3
		7.36	13.22	1,080	15.00
		7.36	13.48	1,080	9.96
		7.35	13.48	1,080	9.37
		7.35	13.49	1,080	9.45
MW03D	10/1/2015	8.46	13.56	746	136
		8.62	13.61	736	80.5
		8.71	13.74	726	56.6
		8.77	13.89	716	43.9
		8.82	13.89	712	42.5
		8.83	13.91	708	42.7
MW04D	10/1/2015	6.82	14.26	1173	>999
		8.30	14.28	1120	>999
		8.43	12.25	1125	>999
		8.85	14.29	1230	>999
		8.92	14.10	1233	>999
		8.93	14.03	1231	>999

Notes:
° = Degree
C = Celsius
ID = Identification
NTU = Nephelometric turbidity unit
SU = Standard Unit
uS/cm = Microsiemens per centimeter

Table F-2
Groundwater Elevations
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Monitoring Well ID	Reference Elevation Ground Surface (feet AMSL)	Reference Elevation Top of Casing (feet AMSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet AMSL)
Shallow Monitoring Wells				
MW02	722.43	723.89	17.00	706.89
MW03	722.84	723.86	6.58	717.28
Deep Monitoring Wells				
MW01D	722.57	723.71	35.97	687.74
MW02D	721.98	723.11	34.85	688.26
MW03D	722.91	723.87	34.01	689.86
MW04D	720.94	721.52	28.91	692.61

Notes:
Reference elevation is the top of the inner (PVC) well casing.
Vertical datum is NAVD 88.
AMSL - above mean sea level
Water level information collected on October 1, 2015.

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	DEVELOPED BY
15360.001.007.0010	Siemens	Batavia, IL	MW02	Cabeno / K. Frey

BEGINNING DEVELOPMENT (DATE/TIME) 7/22/15 10:45	END DEVELOPMENT (DATE/TIME) 7/22/15 12:40
BEGINNING WATER LEVEL: 12.00	ENDING WATER LEVEL: 18.20
BEGINNING WELL DEPTH: 18.65	ENDING WELL DEPTH: 18.65

STANDING WATER COLUMN: 6.65 ft	WELL DIAMETER: 2 in
STANDING WELL VOLUME: 1.06 gal	SCREEN LENGTH: 15 ft.

WELL CONSTRUCTION DATE: 7/22/15	DRILLING WATER LOSS: NA

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	Turbidiy NTU	Remarks
7/22/15 10:48	1.0				>999	
7/22/15 10:59	2.0				>999	
7/22/15 11:19	3.0				>999	
7/22/15 11:49	4.0				901	
7/22/15 12:25	5.0				141	
7/22/15 12:39	5.5				311	No water in bailer after 5.5 gal. reading
	5.50	= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD:

Removal of 5 well volumes via bailer. Cleared turbidity

GENERAL NOTES:

Turbidity cleared following 4th well volume. Sheen on surface. Small globules of product visible in water at beginning of development.

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	DEVELOPED BY
15360.001.007.0010	Siemens	Siemens Bedford	MW03	K. Frey (Weston)

BEGINNING DEVELOPMENT (DATE/TIME) 7/22/15 14:15	END DEVELOPMENT (DATE/TIME) 7/23/15 0905
BEGINNING WATER LEVEL: 6.11	ENDING WATER LEVEL: 13.38
BEGINNING WELL DEPTH: 13.78	ENDING WELL DEPTH: 13.78

STANDING WATER COLUMN: 7.67	WELL DIAMETER: 2"
STANDING WELL VOLUME: 1.22	SCREEN LENGTH: 10 ft

WELL CONSTRUCTION DATE: 7/21/15	DRILLING WATER LOSS: NA

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	Turbidiy NTU	Remarks
7/22/15 14:20	1.25				>999	
14:35	2.50				>999	well dry after 2.50 gal reading
7/23/15 0755	3.75				>999	
7/23/15 0818	5.00				>999	
7/23/15 0838	6.25				>999	well dry after reading
07/23/15 0905	7.50				>999	
		= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD:

Bailer @ 5 times well volume and cleared turbidity
7/23/15 - development with peristaltic pump. Start @ 7:35 am. Full recharge DTW after 6.11

GENERAL NOTES:

try @ 14:35, slight recharge by 15:10. Finish development on 7/23/15.
DTW 7/22 @ 15:10 15.3 below TOC

Well dry on 7/23 @ 0838. Well is recharging continued purge no more volume. Wait for full recharge prior to sampling

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	DEVELOPED BY
15360.001.005.0010	Siemens	SRP Add'l Samp.	MW01D	K. Frey

BEGINNING DEVELOPMENT (DATE/TIME) 9/29/15 14:15	END DEVELOPMENT (DATE/TIME) 9/29/15 1426
BEGINNING WATER LEVEL: 36.89 (TOC)	ENDING WATER LEVEL: 37.10 (TOC)
BEGINNING WELL DEPTH: 39.02 (TOC)	ENDING WELL DEPTH: 39.05 (TOC)

STANDING WATER COLUMN: 3.13 ft.	WELL DIAMETER: 2"
STANDING WELL VOLUME: 0.51 gal.	SCREEN LENGTH: 10 ft.

WELL CONSTRUCTION DATE: 9/25/15	DRILLING WATER LOSS: 0 gal.

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	~~Other~~ TURB (NTU)	Remarks
9/29/15 14:16	1.0	—	—	—	>999	
9/29/15 14:17	2.0	—	—	—	>999	
9/29/15 14:18	3.0	—	—	—	>999	
9/29/15 14:19	3.5	—	—	—	>999	Slow to no flow
9/29/15 14:22	4.0	—	—	—	>999	
9/29/15 14:25	4.5	—	—	—	>999	
9/29/15 14:26	4.5	—	—	—	—	No flow. Well dry
	4.5 gal.	= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD: Whale Pump / Purge

Purged well (5+ well volumes) to clear turbidity. Purged dry.

GENERAL NOTES:

well vol. 0.51 gal ⇒ purge minimum 2.5 gal.

light brown sediment in well - clearer over time.

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT SRP	WELL ID	DEVELOPED BY
15360-001-005-0010	Siemens	Add'l Samp.	MW02D	L. Frey

BEGINNING DEVELOPMENT (DATE/TIME) 9/29/15 15:00	END DEVELOPMENT (DATE/TIME) 9/29/15 1535
BEGINNING WATER LEVEL: 34.70 (TOC)	ENDING WATER LEVEL: 34.75 (TOC)
BEGINNING WELL DEPTH: 38.25 (TOC)	ENDING WELL DEPTH: 38.25 (TOC)

STANDING WATER COLUMN: 3.55 ft	WELL DIAMETER: 2"
STANDING WELL VOLUME: 0.58 gal.	SCREEN LENGTH: 10 ft.

WELL CONSTRUCTION DATE: 9/25/15	DRILLING WATER LOSS: 0 gal.

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	Other TURB	Remarks
9/29/15 1502	2.0	—	—	—	>999	
9/29/15 1503	3.0	—	—	—	>999	
9/29/15 1504	4.0	—	—	—	>999	
9/29/15 1505	5.0	—	—	—	>999	
9/29/15 1506	6.0	—	—	—	>999	No drop in flow rate,
9/29/15 1508	8.0	—	—	—	>999	attempt to purge
9/29/15 1510	10.0	—	—	—	>999	dry due to high
9/29/15 1530	15.0	—	—	—	>999	turbidity
9/29/15 1535	20.0	—	—	—	>999.	
		= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD: Whale pump/Purge

Purge 5+ well volumes to clear turbidity.

GENERAL NOTES:

well volume 0.58 gal ⇒ minimum purge 2.9 gal.

Brown sediment in water, no drop in flow rate - never dry, water clearer over time.

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT SRP	WELL ID	DEVELOPED BY
15360.001.008.0010	Siemens	Add'l Samp.	MW03D	K Frey

BEGINNING DEVELOPMENT (DATE/TIME) 9/29/15 12:58	END DEVELOPMENT (DATE/TIME) 9/29/15 13:28
BEGINNING WATER LEVEL: 33.85 (TOC)	ENDING WATER LEVEL: 38.01 (TOC) - Rising
BEGINNING WELL DEPTH: 40.40 (TOC)	ENDING WELL DEPTH: 40.60 (TOC)

STANDING WATER COLUMN: 6.55 ft	WELL DIAMETER: 2"
STANDING WELL VOLUME: 1.07 gal.	SCREEN LENGTH: 10 ft.

WELL CONSTRUCTION DATE: 9/24/15	DRILLING WATER LOSS: 8

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	Other TURB	Remarks
9/29 1301	2.0	—	—	—	>999	
9/29 1302	3.0	—	—	—	669	
9/29/15 1303	4.0	—	—	—	>999	lower flow
9/29/15 1304	5.0	—	—	—	>999	No flow, WL below Top of pump.
9/29/15 1306	5.5	—	—	—	>999	well dry
9/29/15 1320	6.0	—	—	—	>999	resume purge after recharge
9/29/15 1328	7.0	—	—	—	>999	well dry
	7.0	= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD: whale pump / purge
Purge 5+ volumes to clear turbidity. Purged dry

GENERAL NOTES:
well vol = 1.07 gal ⇒ purge 5.5 gal @ minimum.
Brown sediment in water.

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	DEVELOPED BY
15340.001.008.0010	Siemens	SRP Add'l Samp	MW04D	K. Fray

BEGINNING DEVELOPMENT (DATE/TIME) 09/29/15 1140	END DEVELOPMENT (DATE/TIME) ~~35.31~~ VF VP (TOC) - 9/29/15 12:22
BEGINNING WATER LEVEL: 25.90 (TOC)	ENDING WATER LEVEL: 35.31 (TOC) (rising)
BEGINNING WELL DEPTH: 38.31 (TOC)	ENDING WELL DEPTH: 39.45 (TOC)

STANDING WATER COLUMN: 12.41	WELL DIAMETER: 2"
STANDING WELL VOLUME: 2.02 gal.	SCREEN LENGTH: 10 ft

WELL CONSTRUCTION DATE: 9/24/15	DRILLING WATER LOSS: 0 gal

DATE/TIME	VOLUME REMOVED (Gallons)	SPEC. COND.	TEMP	pH	~~Other~~ TURB	Remarks
9/29/15 11:43	2.0	—	—	—	>999	
9/29/15 1145	4.0	—	—	—	>999	
9/29/15 1152	6.0	—	—	—	>999	Low Flow
9/29/15 1159	7.0	—	—	—	>999	No Flow (2 min)
9/29/15 1205	8.0	—	—	—	>999	Flow resume - very slow
9/29/15 1213	9.0	—	—	—	>999	
9/29/15 1218	10.0	—	—	—	>999	
9/29/15 1220	11.0	—	—	—	>999	No Flow after 11.0 gal.
	11.0	= TOTAL VOLUME REMOVED (Gallons)				

DEVELOPMENT METHOD: Small pump/Purge

Purge 5+ well volumes to clear turbidity.

GENERAL NOTES:

well vol = 2.02 gal ⇒ 10.0 gal minimum purge

Brown sediment in water, purged dry.

WELL DEVELOPMENT FIELD RECORD

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.007.0010	Siemens	Batavia, IL	MW02	K. Frey

PURGE METHOD Bladder pump	SAMPLE METHOD Low Flow / Stabilization
PURGE DATE/TIME 7/24/15 0905	SAMPLE DATE/TIME 7/24/15 0950
WATER DEPTH ~~18.35~~ 16.90	WELL DEPTH 18.38
CASING DIAMETER 2"	WELL VOLUME 0.29 gal (0.9L)

WEATHER CONDITIONS
Sunny, 80s

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SRE-MW02-XXX-01-1/-2	VOC	HCL	Glass	40 mL - 3
SRE-MW02-XXX-01-1/-2	SVOC	None	Amber	250 mL - 2
	Total Metals	HNO3	Plastic	250 mL - 1
	Dissolved Metals	HNO3	Plastic	250 mL - 1
	Pest/PCB	None	Amber	125 mL - 2
	Cyanide	NaOH	Plastic	250 mL - 1

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ TURBIDITY	Temp	~~DO~~ DTW	Other
0930/2.5L	1241	6.89	9.72	20.03	*16.85	Flow rate @ 100mL/min
0935/3.0L	1235	6.96	2.13	19.94	*16.85	
0940/3.5L	1234	6.98	1.51	19.67	*16.85	
0945/4.0L	1233	7.01	1.48	19.90	*16.85	
0950/4.5L	collect	sample				

GENERAL FIELD OBSERVATIONS
Product in well, visible on dedicated bailer in well and on oil/water indicator. No thickness of product detected by oil/water indicator.
*DTW Below top of pump. Top of pump @ 16.85
Duplicate sample collected - SRE-MW02-XXX-01-2 Clear w/ trace brown globules.

VOLUME PURGED
Stabilization = S.C ± 3%, pH ± 0.1, Temp ± 1°C, turb ± 10% - 3 readings or under 5NTU

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.007.0010	Siemens	Batavia, IL	MW-03	K. Frey

PURGE METHOD Bladder Pump	SAMPLE METHOD Low Flow Stabilization
PURGE DATE/TIME 7/23/15 12:58 start	SAMPLE DATE/TIME 7/23/15 14:58
WATER DEPTH 6.25	WELL DEPTH 13.78
CASING DIAMETER 2 inches	WELL VOLUME 1.20 gal (4.5 L)

WEATHER CONDITIONS
Sunny - mid 80's

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SRE-MW03-XXX-01	VOC	HCL	Glass - 3	40 mL
	SVOC	None	Amber - 2	250 mL
	Pest/PCB	None	Amber - 2	125 mL
	Total Metals	HNO_3	Plastic - 1	250 mL
	Dissolved Metals	HNO_3	Plastic - 1	250 mL
	Cyanide	NaOH	Plastic - 1	250 mL

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ Turbidity	Temp	~~DO~~ DTW	Other
13:35 7.4L	655	6.89	434	22.16	7.65	purge rate @ 200 mL/min
13:45 9.4L	645	7.09	222	20.84	7.81	
13:50 10.4L	642	7.12	146	19.80	7.82	
14:10 14.4L	642	7.11	100	18.79	7.82	
14:15 15.4L	641	7.12	54.0	19.10	7.78	
14:20 16.4L	642	7.11	45.0	19.01	7.78	
14:25 17.4L	641	7.08	67.8	19.37	7.81	
14:30 18.4L	643	7.07	69.7	19.80	7.81	
14:35 19.4L	643	7.07	75.8	19.31	7.81	
14:40 20.4L	642	7.07	67.7	18.82	7.82	
14:45 21.4L	641	7.07	51.1	19.22	7.82	
14:50 22.4L	642	7.08	48.7	19.40	7.81	
14:55 23.4L	641	7.07	48.4	19.19	7.81	
1458 24.0L	collect	Sample				KF

GENERAL FIELD OBSERVATIONS
Slightly cloudy, clear

VOLUME PURGED

Temp ± 1.0°C, S.C. ± 3%, pH ± 0.1, Turb ± 10% - 3 readings for stabilization

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.005.0010	Siemens	SRP Add'l Samp.	MW01D	K. Frey

PURGE METHOD Low Flow / Bladder	SAMPLE METHOD Bladderpump / Low flow
PURGE DATE/TIME 10/1/15 0848	SAMPLE DATE/TIME ~~10/1/15~~ 10/01/15 0950
WATER DEPTH 35.97 ft	WELL DEPTH 39.15 ft
CASING DIAMETER 2"	WELL VOLUME 0.54 gal.

WEATHER CONDITIONS
Partly Cloudy, upper 50s

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SRE-MW01D-XXX-01-1	VOC	HCL	glass	40mL - x3
↓	SVOC	NONE	amber glass	250mL x 2
	Pest / PCB	NONE	amber glass	250mL x 2
	Total metals	HNO3	plastic	250mL x 1
	Dissolved metals	HNO3	~~250mL~~ plastic	250mL x 1
	Cyanide	NaOH	~~250mL~~ plastic	250mL x 1

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ TURB	Temp	~~DO~~ DTW	Other
0913 6.25L	1116	8.21	62.2	14.31	36.45	
0918 7.50L	1116	8.47	348	14.29	36.51	
0923 8.75L	1105	8.45	121	14.24	36.51	
0928 10.00L	1099	8.46	59.4	14.21	36.51	
0933 11.25L	1096	8.45	42.6	14.25	36.52	
0938 12.50L	1094	8.46	26.5	14.27	36.52	
0943 13.75L	1090	8.46	24.9	14.27	36.52	
0948 15.0L	1088	8.46	24.2	14.25	36.51	

GENERAL FIELD OBSERVATIONS

Sample collected @ 0950

Sample appearance - clear w/ some brown flecks.

SC ± 3% - uS/cm
TURB ± 10% - NTU
pH ± .1 - SU
Temp ± 1 - °C

VOLUME PURGED 15.0L = 3.96 gal. Dissolved metals field filtered.

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.008.0010	Siemens	SRP Add'l Samp.	MW02D	K Fray

PURGE METHOD Bladder/Low Flow	SAMPLE METHOD Bladder/Low Flow
PURGE DATE/TIME 10/1/15 1302	SAMPLE DATE/TIME 10/1/15 1410
WATER DEPTH 34.85	WELL DEPTH 38.25
CASING DIAMETER 2"	WELL VOLUME 0.55 gal

WEATHER CONDITIONS
Partly sunny, low 60s.

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SRE-MW02D-XXX-01-1	VOC	HCL	Glass	40mL - x3
↓	SVOC	None	Glass (Amber)	250mL x2
	PCB/PCB	None	Glass (Amber)	250mL x2
	Metals	HNO_3	Plastic	250mL x1
	Diss. Metals	HNO_3	Plastic	250mL x1
↓	Cyanide	NaOH	Plastic	250 mL x1

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ TURB	Temp	~~DO~~ DTW	Other
1322 5.0L	1225	8.28	125	14.59	*35.0	Flow rate @250mL/min
1327 6.25L	1223	8.36	53.6	14.60	*35.0	*DTW below top of pump.
1332 7.50L	1218	8.36	28.2	14.56	*35.0	
1337 8.75L	1215	8.36	14.3	14.51	*35.0	
1342 10.0L	1217	8.35	12.5	14.50	*35.0	
1347 11.25L	1217	8.36	11.6	14.49	*35.0	
1352 12.50L	1215	8.36	9.00	14.47	*35.0	
1357 13.75L	1215	8.35	8.31	14.49	*35.0	
1402 15.0L	1215	8.36	6.61	14.52	*35.0	
1405 15.75L	1213	8.35	6.05	14.51	*35.0	
1408 16.5L	1214	8.36	6.16	14.52	*35.0	

GENERAL FIELD OBSERVATIONS
Dissolved metals field filtered.

Sample appearance: clear w/ brown flecks.

VOLUME PURGED 16.5 L = 4.35 gal

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.008.0010	Siemens	SRP Add'l Samp	MW03D	K. Frey

PURGE METHOD Bladder/low Flow	SAMPLE METHOD Bladder/Low Flow
PURGE DATE/TIME 10/1/15 10:45	SAMPLE DATE/TIME 10/1/15 1128
WATER DEPTH 34.01	WELL DEPTH 40.60
CASING DIAMETER 2"	WELL VOLUME 1.09 gal.

WEATHER CONDITIONS

Partly Sunny low 60s

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
~~MW~~ SRE-MW03D-XXX-01-4	VOC	HCL	Glass	40 mL x 3
	SVOC	None	Glass (amber)	250 mL x 2
	Total Metals	HNO3	Plastic	250 mL x 1
	Diss. Metals	HNO3	Plastic	250 mL x 1
	Pest/PCBs	None	Glass (amber)	250 mL x 2
	Cyanide	NaOH	Plastic	250 mL x 1

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ TURB	Temp	~~DO~~ DTW	Other
1100 4.5 L	746	8.46	136	13.56	34.81	
1105 6.0 L	736	8.62	80.5	13.61	35.24	
1110 7.5 L	726	8.71	56.6	13.74	35.44	
1115 9.0 L	716	8.77	43.9	13.89	35.61	
1120 10.5 L	712	8.82	42.5	13.89	35.76	
1125 12.0 L	708	8.83	42.7	13.91	35.81	

GENERAL FIELD OBSERVATIONS

Dissolved metals field filtered. Sample appearance: ~~[illegible]~~ Slightly cloudy

Collected MS/MSD SRE-MW03D-XXX-01-4

VOLUME PURGED 13.0 L ≈ 3.5 gal.

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.008.0010	Siemens	SEP Add'l sampling	MW04D	K. Frey

PURGE METHOD Bladder / Low Flow	SAMPLE METHOD Bladder / Low Flow
PURGE DATE/TIME 10/1/15 15:58	SAMPLE DATE/TIME 10/1/15 1808
WATER DEPTH 28.91	WELL DEPTH 39.45
CASING DIAMETER 2"	WELL VOLUME 1.72 gal

WEATHER CONDITIONS

Windy, Cloudy, upper 50s

WELL CONDITION New

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SEEMW04DXXX-014/2	VOC	HCL	Glass	40mL x3
	SVOC	None	Glass	250mL x2
	Pest/PCB	None	Glass	250mL x2
	Metals	HNO_3	Plastic	250mL x1
	Diss. Metals	HNO_3	Plastic	250mL x1
	Cyanide	NaOH	Plastic	250mL x1

TIME/PURGE VOL.	Spec. Cond.	pH	~~ORP~~ TURB	Temp	~~DO~~ DTW	Other
1628 7.5L	1173	6.82	>999	14.26	28.34	Purge Rate @250mL/min
1638 10.0L	1120	8.30	>999	14.18	28.52	
1648 12.5L	1125	8.43	>999	14.26	28.61	- Stop purge w/ bladder
1656 Begin purge w/ whale pump. after ~13.0L purged.						
1700 well dry at [illegible] gal removed. Recharging.						
1750 Full recharge DTW at 29.01' resume purge at 250mL/min						
1753 2.5L	1230	8.85	>999	14.29	27.91	Cadd bal to total
1800 3.75L	1233	8.92	>999	14.10	27.53	pH 8.92
1805 5.0L	1231	8.93	>999	14.03	27.56	

GENERAL FIELD OBSERVATIONS

Dissolved metals field filtered

Water very full of sediment at beginning of purge.
After 12.5L purged w/ bladder. Purged well dry with whale
VOLUME PURGED pump. Approx. [illegible] gallons. Will collect sample aftr
recharge stabilization

GROUNDWATER SAMPLING LOG

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER
15360.001.008.0030	Siemens	Botanica	MW02D	K. Frey

PURGE METHOD Low Flow / Bladder	SAMPLE METHOD Low Flow / Bladder
PURGE DATE/TIME 11/13/15 1020	SAMPLE DATE/TIME 11/13/15 11:26
WATER DEPTH 35.52	WELL DEPTH 37.82
CASING DIAMETER 2"	WELL VOLUME

WEATHER CONDITIONS
Sunny, windy, mid 40s.

WELL CONDITION Good.

SAMPLE ID	ANALYTE PARAMETER	PRESERVATIVE	CONTAINER TYPE	CONTAINER SIZE
SRE-MW02D-XXX-02-1	TCE	HCL	Glass	40mL X3

TIME/PURGE VOL.	Spec. Cond.	pH	Temp	Turbidity	DTW	Other
1040 / 8.0 L	1079	7.04	13.09	19.4	35.50*	
1045 / 10.0 L	1080	7.25	13.09	16.1	35.50*	
1050 / 12.0 L	1081	7.30	13.07	28.8	35.50*	
1055 / 14.0 L	1081	7.34	13.12	34.3	35.50*	
1100 / 16.0 L	1080	7.34	13.14	25.4	35.50*	
1105 / 18.0 L	1080	7.34	13.18	19.3	35.50*	
1110 / 20.0 L	1080	7.36	13.22	15.0	35.50*	
1115 / 22.0 L	1080	7.36	13.48	9.96	35.50*	
1120 / 24.0 L	1080	7.35	13.48	9.37	35.50*	
1125 / 26.0 L	1080	7.35	13.49	9.45	35.50*	

GENERAL FIELD OBSERVATIONS

Flow Rate @ 400 mL/min.

*DTW below top of pump @ 35.50ft.

VOLUME PURGED 26.0 L

GROUNDWATER SAMPLING LOG

APPENDIX C

Canister Sampling Field Data Sheet

Page 1 of __

SUMMA AIR SAMPLING WORK SHEET

Site: Siemens Batavia
Samplers: M. Doheny-Skibic
Date: July 22, 2015

Site#: _____
Work Assignment Manager: Jen Troast
Project Leader: Jen Troast

Sample #	SG006-1	SG006-2	SG004-1	SG005-1	SG002-1
Location	Siemens Batavia	Siemens Batavia	Siemens Batavia	Siemens Batavia	Siemens Batavia
SUMMA ID	11221	07554	09926	11151	10363
Orifice Used	Regulator 7669	Regulator 7609	Regulator 7695	Regulator 7212 ~~7695~~	Regulator 7789
*see COC Analysis/Method	TO-15	TO-15	TO-15	TO-15	TO-15
Time (Start)	1023	1023	0856	1202	1356
Time (Stop)	1058	1058	0928	1243	1427
Total Time	35 min	35 min	32 min	41 min	31 min
SUMMA WENT TO AMBIENT	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO
Pressure Gauge	-29	-30	-29	-30	-30
Pressure Gauge	-4	-4	-4	-5	-5
Flow Rate (Pre)	200 ml/min	200 ml/min	200 ml/min	200 ml/min	200 ml/min
Flow Rate (Post)	—	—	—	—	—
Flow Rate (Average)	—	—	—	—	—

MET Station On-site? Y / N

General Comments:

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: Siemens Batavia DATE(S) SAMPLED: July 22-23, 2015
SITE: Batavia, IL TIME PERIOD SAMPLED: 0941 to 0659
LOCATION: SG001 to SG006 OPERATOR: M. Doheny-Skubic
INSTRUMENT MODEL NO.: Gilian Air CALIBRATED BY: TestAmerica
PUMP SERIAL NO.: _____ RAIN: ____YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:	PUF			
Adsorbent:				
Serial No.:				
Sample No.:				

II. SAMPLING DATA

Pump No. ~~Cartridge~~ Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
TA 126	SG0041	—	—	4001.97	NA	0941	2141	720	2880
TA 152	SG0061	—	—	4000.37	NA	1129	2329	720	2880
TA 176	SG0062	—	—	4001.73	NA	1129	0659	1,170	4,680
TA 139	SG005-1	—	—	4002.93	NA	1259	0059	720	2880
TA 178	SG002-1	—	—	4001.20	NA	1441	0241	720	2880

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	pre-	pre-	pre-	pre-
	post-	post-	post-	post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

APPENDIX C

Canister Sampling Field Data Sheet

Page 1 of 1

SUMMA AIR SAMPLING WORK SHEET

Site: Siemens Batavia
Samplers: K. Frey
Date: 8/13/15

Site#: Batavia, IL
Work Assignment Manager: Jen Troast
Project Leader: Jen Troast

Sample #	SG001-1				
Location	Siemens Batavia				
SUMMA ID	10406				
Orifice Used	Regulator 10907				
Analysis/Method	TO-15				
Time (Start)	0744				
Time (Stop)	0828				
Total Time	42 min				
SUMMA WENT TO AMBIENT	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO
Pressure Gauge	-30				
Pressure Gauge	-4				
Flow Rate (Pre)	200 mL/min				
Flow Rate (Post)	—				
Flow Rate (Average)	—				

MET Station On-site? Y / N

General Comments: Analyzed for the following: 2-methylnaphtalene, naphtalene, Acetone, Chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, methylene chloride, vinyl chloride and total xylenes.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: Siemens Batavia DATE(S) SAMPLED: 8/13/15
SITE: Batavia, IL TIME PERIOD SAMPLED: ____
LOCATION: SG001 OPERATOR: K. Frey
INSTRUMENT MODEL NO. Gillian CALIBRATED BY: TestAmerica Laboratories
PUMP SERIAL NO.: ____ RAIN: ___ YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:	PUF			
Adsorbent:				
Serial No.:				
Sample No.:				

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
TA128	SG001	—	—	5000.2	NA	0830	1830	600	3,000

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	___ pre- ___ post-	___ pre- ___ post-	___ pre- ___ post-	___ pre- ___ post-

CHECKED BY: ____

DATE: ____

Figure 5. Compendium Method TO-10A field test data sheet.

APPENDIX C

Canister Sampling Field Data Sheet

Page 1 of 1

SUMMA AIR SAMPLING WORK SHEET

Site: Siemens Batavia
Samplers: K. Fren
Date: 10/6/15

Site#: Batavia, IL
Work Assignment Manager: Jen Troast
Project Leader: Jen Troast

Sample #	SG003-1				
Location	Siemens Batavia				
SUMMA ID	10715				
Orifice Used	Regulator 11062				
Analysis/Method	TO-15				
Time (Start)	0824				
Time (Stop)	0910				
Total Time	46 min				
SUMMA WENT TO AMBIENT	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO
Pressure Gauge	-30.0				
Pressure Gauge	-4.0				
Flow Rate (Pre)	200ml/min				
Flow Rate (Post)	—				
Flow Rate (Average)	—				

MET Station On-site? Y / N

General Comments:
Analyzed for the following: 2-methylnaphthalene, naphthalene, Acetone, chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, methylene chloride, vinyl chride, and total Xylenes

SIZE - SG003-014-01

APPENDIX C

Canister Sampling Field Data Sheet

Page 1 of 1

SUMMA AIR SAMPLING WORK SHEET

Site: Siemens Batavia
Samplers: [illegible]
Date: 11/11/15

Site#: Batavia, IL
Work Assignment Manager: Jen Troast
Project Leader: Jen Troast

Sample #	SG003RE				
Location	Batavia				
SUMMA ID	11087				
Orifice Used	Regulator 10897				
Analysis/Method	TO-15				
Time (Start)	0915				
Time (Stop)	0948				
Total Time	33min				
SUMMA WENT TO AMBIENT	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO
Pressure Gauge	-30				
Pressure Gauge	-4				
Flow Rate (Pre)	200mL/min				
Flow Rate (Post)	—				
Flow Rate (Average)	—				

MET Station On-site? Y / N

General Comments: Analyzed for the following: 2-methylnaphtalene, naphtalene, Acetone, chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, methylene chloride, vinyl chloride and total xylenes.

depth 9ft bgs.

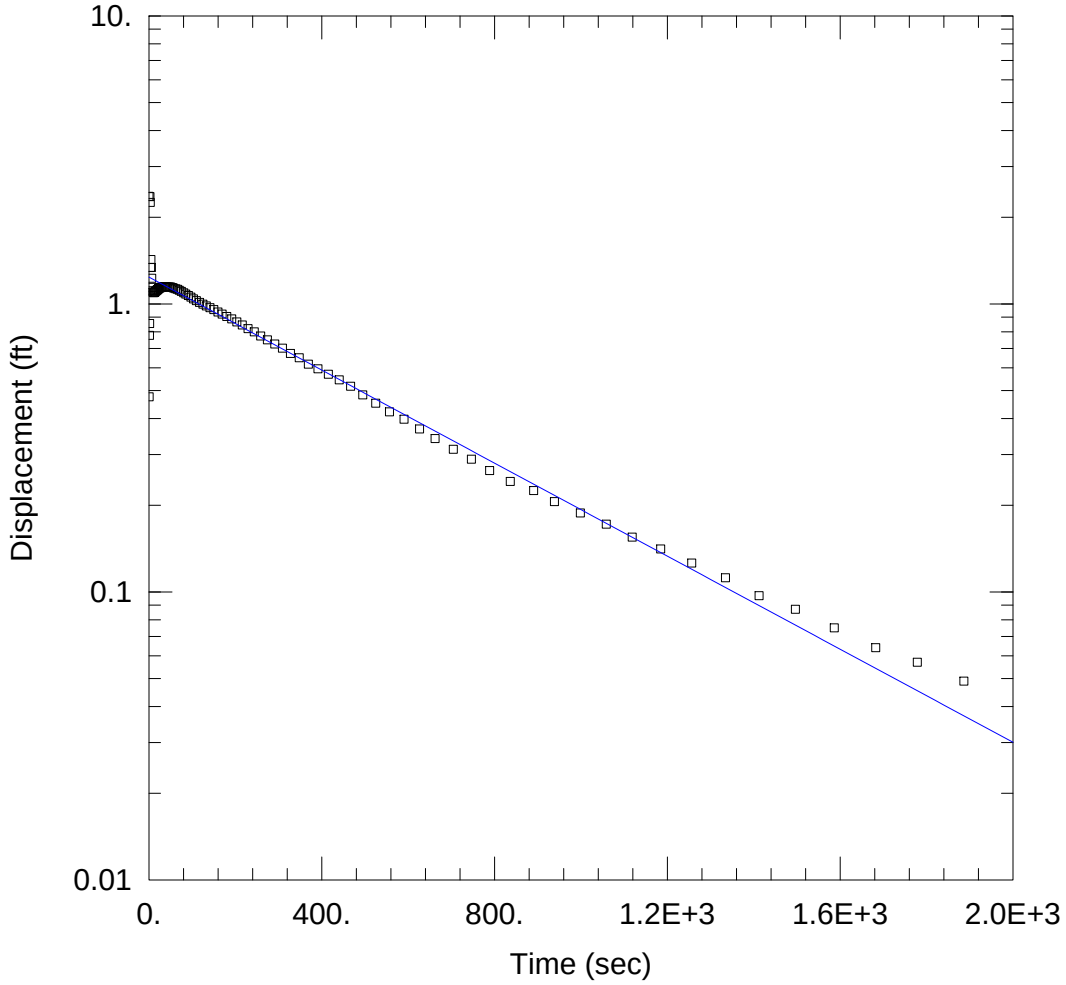
SRE-SG003RE-009-1

APPENDIX G
Slug Testing Results

Table G-1
Hydraulic Conductivity Testing Results
Former Siemens Facility
Batavia, Kane County, Illinois

Monitoring Well ID	Falling Head Test (cm/sec)	Rising Head Test (cm/sec)	Mean (cm/sec)
MW01D*	3.5E-04	---	3.5E-04
MW02D*	5.2E-03	---	5.2E-03
MW03D	1.0E-04	1.4E-02	7.3E-03
MW04D	4.4E-04	9.9E-04	7.2E-04
Geometric Mean (cm/sec):	**1.0E-03**		
Geometric Mean (ft/min):	**2.0E-03**		
Geometric Mean (ft/day):	**2.9E+00**		

Notes:
--- - value not used
* - two falling head tests completed at the well location
cm/sec = Centimeters per second
ft/min = Feet per minute
ft/day = Feet per day
ID - Identification



MW01D FALLING HEAD TEST 1

Data Set: K:\...\MW01D_Falling_1.aqt
Date: 10/16/15 Time: 14:01:58

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW01D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW01D)

Initial Displacement: 2.364 ft Static Water Column Height: 1.883 ft
Total Well Penetration Depth: 37.5 ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 8.327E-5 cm/sec y0 = 1.239 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW01D_Falling_1.a
Title: MW01D Falling Head Test 1
Date: 10/16/15
Time: 14:06:32

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW01D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW01D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.364 ft
Static Water Column Height: 1.883 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 37.5 ft

No. of Observations: 92

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.601	0.476	132.7	0.984
1.201	0.778	141.1	0.97
1.8	0.855	150.1	0.955
2.46	2.358	159.7	0.938
3.18	2.251	169.3	0.922
4.031	1.34	180.1	0.904
4.74	1.426	191.5	0.887
5.581	1.337	203.5	0.866
6.48	1.228	216.1	0.845
7.44	1.142	229.3	0.821
8.4	1.111	243.7	0.8
9.48	1.098	258.7	0.774
10.62	1.094	274.4	0.75
11.82	1.095	291.1	0.726
13.08	1.096	309.2	0.702
14.4	1.101	327.7	0.673
15.84	1.107	348.1	0.65
17.34	1.112	369.1	0.618
19.05	1.117	391.3	0.595
20.58	1.122	415.3	0.57
22.38	1.129	440.5	0.545
24.33	1.134	466.9	0.518
26.28	1.137	495.1	0.483
28.38	1.143	525.1	0.452
30.6	1.142	556.9	0.422
33.	1.146	590.5	0.398
35.52	1.147	626.5	0.368
38.16	1.147	662.5	0.341
40.98	1.146	704.5	0.313
44.09	1.144	746.5	0.289

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
47.16	1.146	788.5	0.264
50.52	1.144	836.5	0.242
54.12	1.14	890.5	0.225
57.72	1.134	938.5	0.206
61.92	1.129	998.5	0.188
66.12	1.124	1058.5	0.172
70.32	1.115	1118.5	0.155
75.12	1.105	1184.5	0.141
80.52	1.093	1256.5	0.126
85.32	1.082	1334.5	0.112
91.32	1.069	1412.5	0.097
97.32	1.056	1496.6	0.087
103.3	1.041	1586.5	0.075
109.9	1.027	1682.5	0.064
117.1	1.012	1778.5	0.057
124.9	0.998	1886.7	0.049

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.522

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	8.327E-5	cm/sec
y0	1.239	ft

T = K*b = 0.02538 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	8.327E-5	7.675E-6	+/- 1.525E-5	10.85	cm/sec
y0	1.239	0.03291	+/- 0.06539	37.67	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.02538 cm²/sec

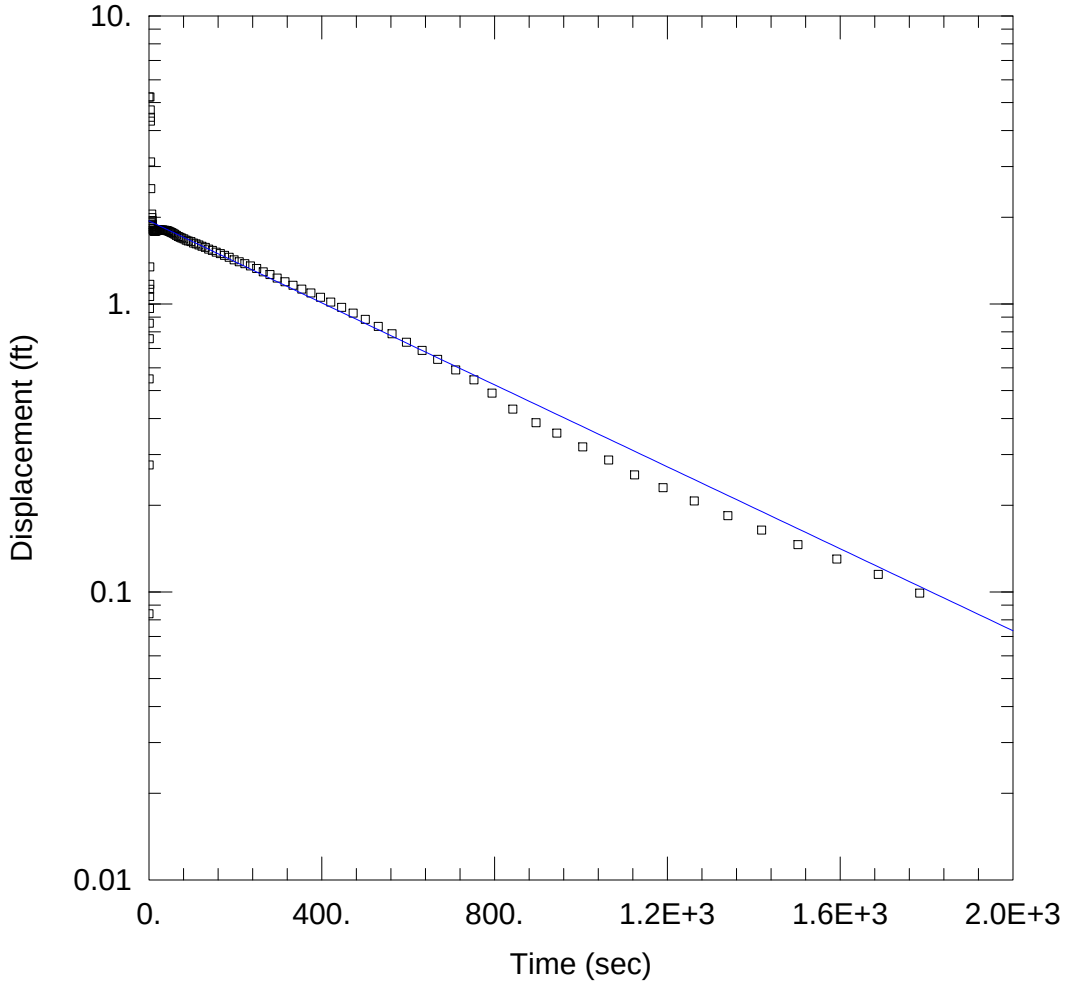
Parameter Correlations

	K	y0
K	1.00	0.54
y0	0.54	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 3.44 ft^2
Variance . . . . . 0.03822 ft^2
Std. Deviation . . . . . 0.1955 ft
Mean . . . . . -6.276E-5 ft
No. of Residuals 92
No. of Estimates 2



MW01D FALLING HEAD TEST 2

Data Set: K:\...\MW01D_Falling_2.aqt
Date: 10/16/15 Time: 14:02:51

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW01D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW01D)

Initial Displacement: 5.231 ft
Static Water Column Height: 1.926 ft
Total Well Penetration Depth: 37.5 ft
Screen Length: 10. ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 7.336E-5 cm/sec
y0 = 1.942 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW01D_Falling_2.a
Title: MW01D Falling Head Test 2
Date: 10/16/15
Time: 14:08:29

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW01D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW01D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 5.231 ft
Static Water Column Height: 1.926 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 37.5 ft

No. of Observations: 110

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.22	0.084	76.05	1.692
0.44	0.276	80.85	1.681
0.66	0.549	86.25	1.665
0.879	0.757	91.05	1.655
1.098	0.857	97.05	1.646
1.318	0.964	103.1	1.628
1.537	1.061	109.1	1.617
1.756	1.124	115.7	1.602
1.976	1.17	122.9	1.585
2.195	1.344	130.7	1.572
2.546	5.231	138.5	1.549
2.97	4.716	146.9	1.535
3.395	4.445	155.9	1.513
3.615	4.31	165.5	1.495
3.837	3.112	175.1	1.474
4.235	2.512	185.9	1.451
4.715	1.881	197.3	1.423
5.255	1.912	209.3	1.401
5.735	1.855	221.9	1.38
6.335	2.05	235.1	1.355
6.935	1.994	249.5	1.327
7.55	1.948	264.5	1.293
8.194	1.89	280.1	1.264
8.914	1.834	296.9	1.23
9.694	1.808	314.9	1.194
10.48	1.798	333.5	1.16
11.32	1.791	353.9	1.126
12.22	1.789	374.9	1.091
13.17	1.789	397.1	1.055
14.13	1.789	421.1	1.015

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
15.22	1.791	446.3	0.973
16.36	1.792	472.7	0.929
17.72	1.796	500.9	0.884
18.82	1.798	530.9	0.836
20.13	1.803	562.7	0.788
21.57	1.806	596.3	0.736
23.07	1.805	632.3	0.69
24.63	1.808	668.4	0.642
26.32	1.804	710.3	0.59
28.11	1.804	752.3	0.545
29.98	1.805	794.3	0.49
32.02	1.807	842.3	0.431
34.11	1.801	896.3	0.387
36.33	1.802	944.3	0.356
38.73	1.8	1004.3	0.319
41.25	1.797	1064.3	0.287
43.89	1.794	1124.3	0.255
46.72	1.786	1190.3	0.23
49.72	1.777	1262.3	0.207
52.89	1.767	1340.3	0.184
56.25	1.759	1418.3	0.164
59.85	1.745	1502.3	0.146
63.45	1.73	1592.3	0.13
67.79	1.715	1688.3	0.115
71.85	1.703	1784.3	0.099

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.522

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	7.336E-5	cm/sec
y0	1.942	ft

T = K*b = 0.02236 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	7.336E-5	1.386E-5	+/- 2.747E-5	5.294	cm/sec
y0	1.942	0.08981	+/- 0.178	21.62	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.02236 cm²/sec

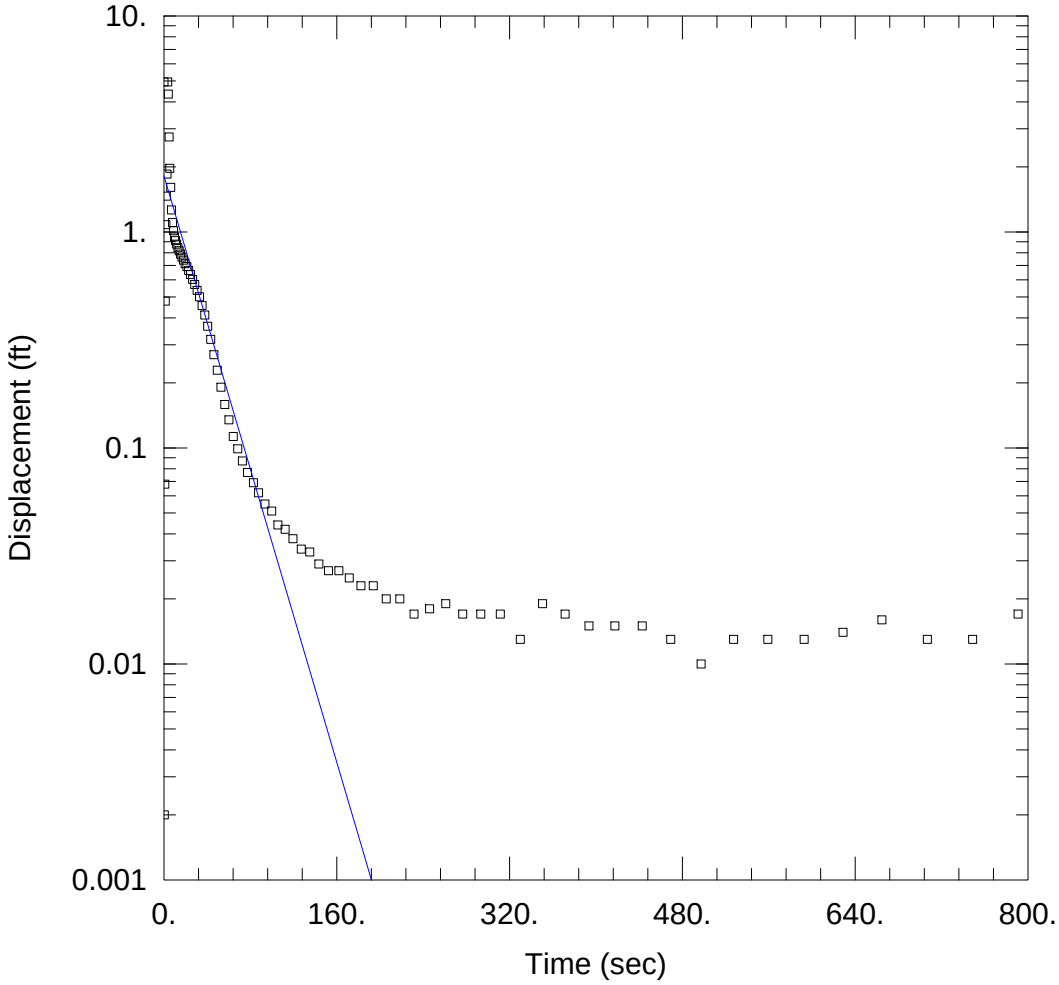
Parameter Correlations

	K	y0
K	1.00	0.48
y0	0.48	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 46.6 ft^2
Variance . . . . . 0.4315 ft^2
Std. Deviation . . . . . 0.6569 ft
Mean . . . . . -0.002173 ft
No. of Residuals 110
No. of Estimates 2



MW02D FALLING HEAD TEST 1

Data Set: K:\...\MW02D_Falling_1.aqt
Date: 10/16/15 Time: 14:03:13

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW02D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW02D)

Initial Displacement: 4.947 ft Static Water Column Height: 2.584 ft
Total Well Penetration Depth: 37. ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001746 cm/sec y0 = 1.815 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW02D_Falling_1.a
Title: MW02D Falling Head Test 1
Date: 10/16/15
Time: 14:08:56

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW02D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW02D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 4.947 ft
Static Water Column Height: 2.584 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 37. ft

No. of Observations: 82

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.424	0.002	72.62	0.087
0.796	0.068	77.42	0.077
1.276	0.478	82.82	0.069
1.816	1.08	87.62	0.062
2.296	1.465	93.62	0.055
2.896	1.853	99.72	0.051
3.496	4.947	105.6	0.044
4.096	4.346	112.2	0.042
4.857	2.754	119.4	0.038
5.476	1.97	127.2	0.034
6.256	1.608	135.	0.033
7.036	1.264	143.4	0.029
7.876	1.104	152.4	0.027
8.776	1.013	162.	0.027
9.864	0.947	171.6	0.025
10.7	0.912	182.4	0.023
11.78	0.878	193.8	0.023
12.92	0.846	205.8	0.02
14.12	0.818	218.4	0.02
15.38	0.789	231.6	0.017
16.7	0.765	246.	0.018
18.14	0.74	261.	0.019
19.64	0.713	276.6	0.017
21.22	0.691	293.4	0.017
22.88	0.664	311.4	0.017
24.68	0.635	330.	0.013
26.54	0.603	350.6	0.019
28.58	0.571	371.4	0.017
30.68	0.536	393.6	0.015
32.9	0.501	417.6	0.015

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
35.3	0.456	442.8	0.015
37.82	0.412	469.2	0.013
40.46	0.366	497.4	0.01
43.28	0.318	527.4	0.013
46.28	0.27	559.2	0.013
49.46	0.229	592.8	0.013
52.82	0.191	628.8	0.014
56.42	0.159	664.8	0.016
60.2	0.135	706.8	0.013
64.22	0.113	748.8	0.013
68.42	0.099	790.8	0.017

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.514

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.001746	cm/sec
y0	1.815	ft

T = K*b = 0.5322 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.001746	0.000452	+/- 0.0008995	3.863	cm/sec
y0	1.815	0.2149	+/- 0.4276	8.449	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.5322 cm²/sec

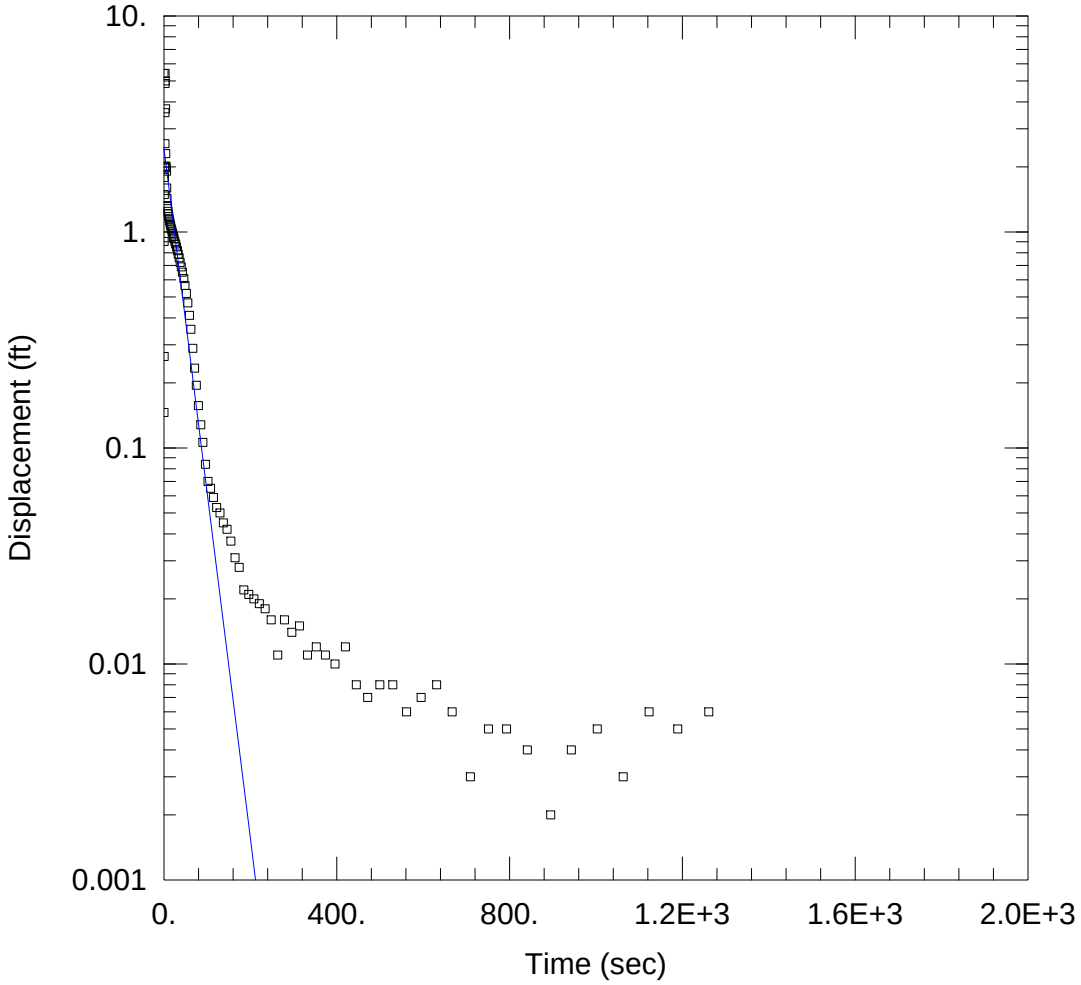
Parameter Correlations

	K	y0
K	1.00	0.67
y0	0.67	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 29.72 ft^2
Variance . . . . . 0.3715 ft^2
Std. Deviation . . . . . 0.6095 ft
Mean . . . . . 0.002623 ft
No. of Residuals 82
No. of Estimates 2



MW02D FALLING HEAD TEST 2

Data Set: K:\...\MW02D_Falling_2.aqt
Date: 10/16/15 Time: 14:03:40

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW02D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW02D)

Initial Displacement: 5.418 ft Static Water Column Height: 2.616 ft
Total Well Penetration Depth: 37. ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001642 cm/sec y0 = 2.429 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW02D_Falling_2.a
Title: MW02D Falling Head Test 2
Date: 10/16/15
Time: 14:09:46

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW02D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW02D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 5.418 ft
Static Water Column Height: 2.616 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 37. ft

No. of Observations: 100

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.22	0.146	70.96	0.234
0.44	0.265	75.09	0.195
0.66	0.904	79.89	0.157
1.01	1.489	85.29	0.128
1.432	1.786	90.09	0.106
1.855	1.977	96.27	0.084
2.074	2.012	102.1	0.07
2.297	2.56	108.1	0.065
2.518	3.567	114.7	0.059
2.74	4.866	121.9	0.053
2.961	5.418	129.7	0.05
3.274	5.002	137.5	0.045
3.754	3.713	146.1	0.042
4.294	2.303	154.9	0.037
4.774	2.018	164.5	0.031
5.374	1.982	174.1	0.028
5.994	1.91	184.9	0.022
6.574	1.596	196.4	0.021
7.234	1.428	208.3	0.02
7.954	1.325	220.9	0.019
8.734	1.281	234.1	0.018
9.514	1.246	248.5	0.016
10.35	1.212	263.5	0.011
11.25	1.179	279.1	0.016
12.21	1.152	296.	0.014
13.17	1.123	313.9	0.015
14.25	1.097	332.5	0.011
15.39	1.072	352.9	0.012
16.59	1.047	373.9	0.011
17.85	1.024	396.2	0.01

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
19.17	1.	420.1	0.012
20.62	0.977	445.3	0.008
22.11	0.953	471.8	0.007
23.67	0.93	499.9	0.008
25.35	0.904	529.9	0.008
27.15	0.879	561.7	0.006
29.01	0.852	595.3	0.007
31.17	0.819	631.3	0.008
33.15	0.79	667.3	0.006
35.37	0.759	709.3	0.003
37.77	0.723	751.3	0.005
40.29	0.689	793.3	0.005
42.93	0.651	841.3	0.004
45.93	0.608	895.3	0.002
48.75	0.565	943.3	0.004
51.93	0.519	1003.3	0.005
55.29	0.469	1063.3	0.003
58.89	0.411	1123.3	0.006
62.49	0.354	1189.3	0.005
66.69	0.289	1261.3	0.006

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.514

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.001642	cm/sec
y0	2.429	ft

T = K*b = 0.5005 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.001642	0.0003227	+/- 0.0006403	5.088	cm/sec
y0	2.429	0.1897	+/- 0.3763	12.8	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.5005 cm²/sec

Parameter Correlations

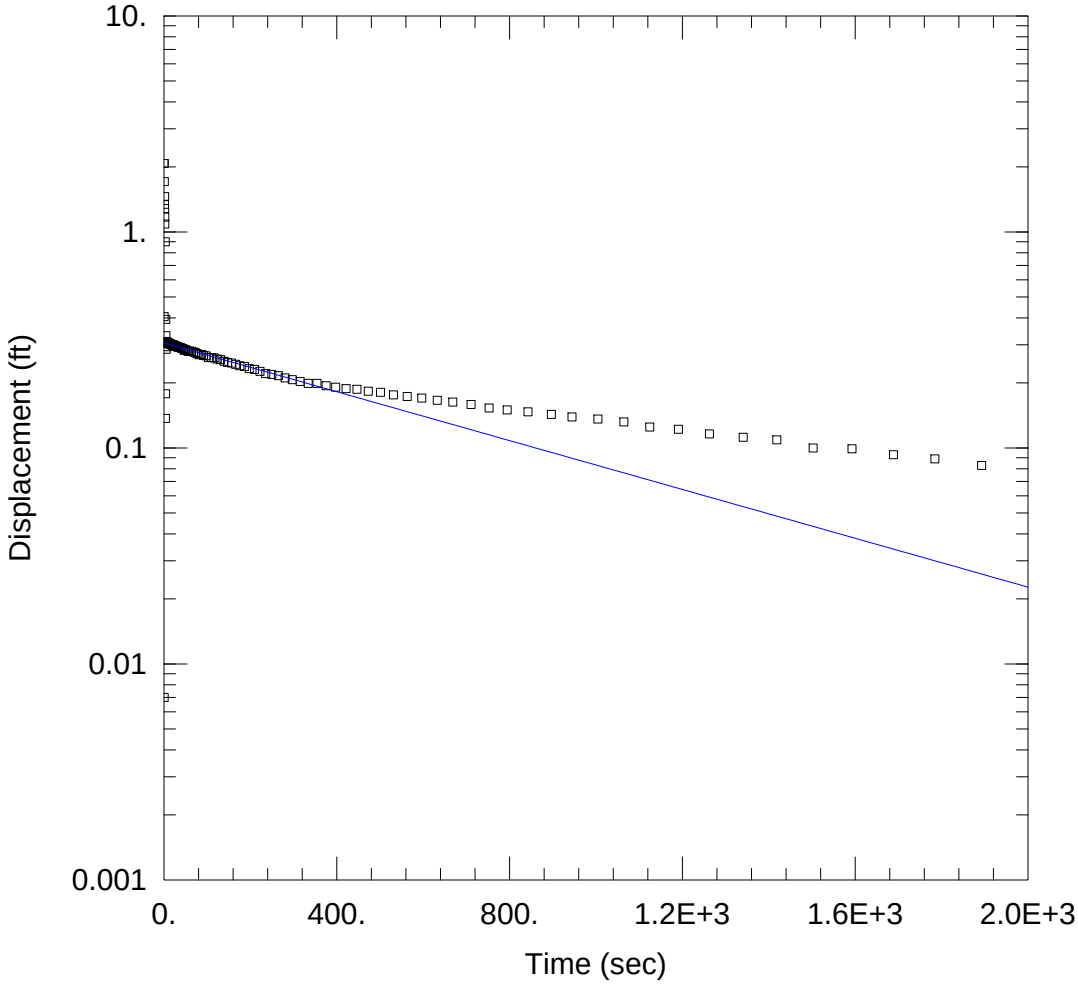
	K	y0
K	1.00	0.63
y0	0.63	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 45.52 ft^2
Variance . . . . . 0.4644 ft^2
Std. Deviation . . . . . 0.6815 ft
Mean . . . . . 0.01134 ft

No. of Residuals 100
No. of Estimates 2



MW03D FALLING HEAD TEST

Data Set: K:\...\MW03D_Falling.aqt
Date: 10/16/15 Time: 14:03:52

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW03D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW03D)

Initial Displacement: 2.075 ft
Static Water Column Height: 15.53 ft
Total Well Penetration Depth: 38. ft
Screen Length: 10. ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 5.839E-5 cm/sec
y0 = 0.3063 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW03D_Falling.aqt
Title: MW03D Falling Head Test
Date: 10/16/15
Time: 14:10:13

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW03D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW03D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.075 ft
Static Water Column Height: 15.53 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 38. ft

No. of Observations: 109

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.424	0.007	86.76	0.271
0.643	0.405	91.56	0.268
0.862	2.075	97.56	0.267
1.081	1.711	103.6	0.262
1.3	1.342	109.8	0.262
1.518	1.456	116.2	0.261
1.737	1.284	123.4	0.258
1.956	1.088	131.2	0.256
2.175	1.171	139.	0.252
3.116	0.901	147.4	0.249
3.477	0.137	156.4	0.247
3.896	0.178	166.	0.244
4.331	0.394	175.6	0.24
4.752	0.331	186.4	0.238
5.217	0.286	197.8	0.233
5.757	0.294	209.9	0.231
6.236	0.311	222.4	0.226
6.836	0.305	235.6	0.221
7.437	0.307	250.	0.219
8.037	0.307	265.	0.216
8.696	0.307	280.6	0.211
9.613	0.305	297.4	0.207
10.2	0.305	315.4	0.203
10.98	0.306	334.	0.199
11.82	0.304	354.4	0.199
12.72	0.305	375.4	0.194
13.68	0.303	397.6	0.191
14.64	0.303	421.6	0.188
15.72	0.303	446.8	0.187
16.86	0.301	473.2	0.183

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
18.06	0.299	501.4	0.181
19.35	0.3	531.4	0.176
20.64	0.299	563.2	0.173
22.08	0.3	596.8	0.17
23.58	0.298	632.8	0.166
25.14	0.297	668.8	0.163
26.82	0.295	710.9	0.159
28.62	0.296	752.8	0.153
30.48	0.294	794.8	0.15
32.52	0.293	842.8	0.147
34.65	0.292	896.8	0.143
36.84	0.292	944.8	0.139
39.24	0.291	1004.8	0.136
41.76	0.288	1064.8	0.132
44.4	0.288	1124.8	0.125
47.22	0.283	1190.8	0.122
50.22	0.285	1262.8	0.116
53.4	0.282	1340.8	0.112
56.76	0.28	1418.8	0.109
60.36	0.281	1502.8	0.1
63.96	0.28	1592.8	0.099
68.16	0.278	1688.8	0.093
72.36	0.276	1784.8	0.089
76.56	0.274	1892.8	0.083
81.36	0.27		

SOLUTION

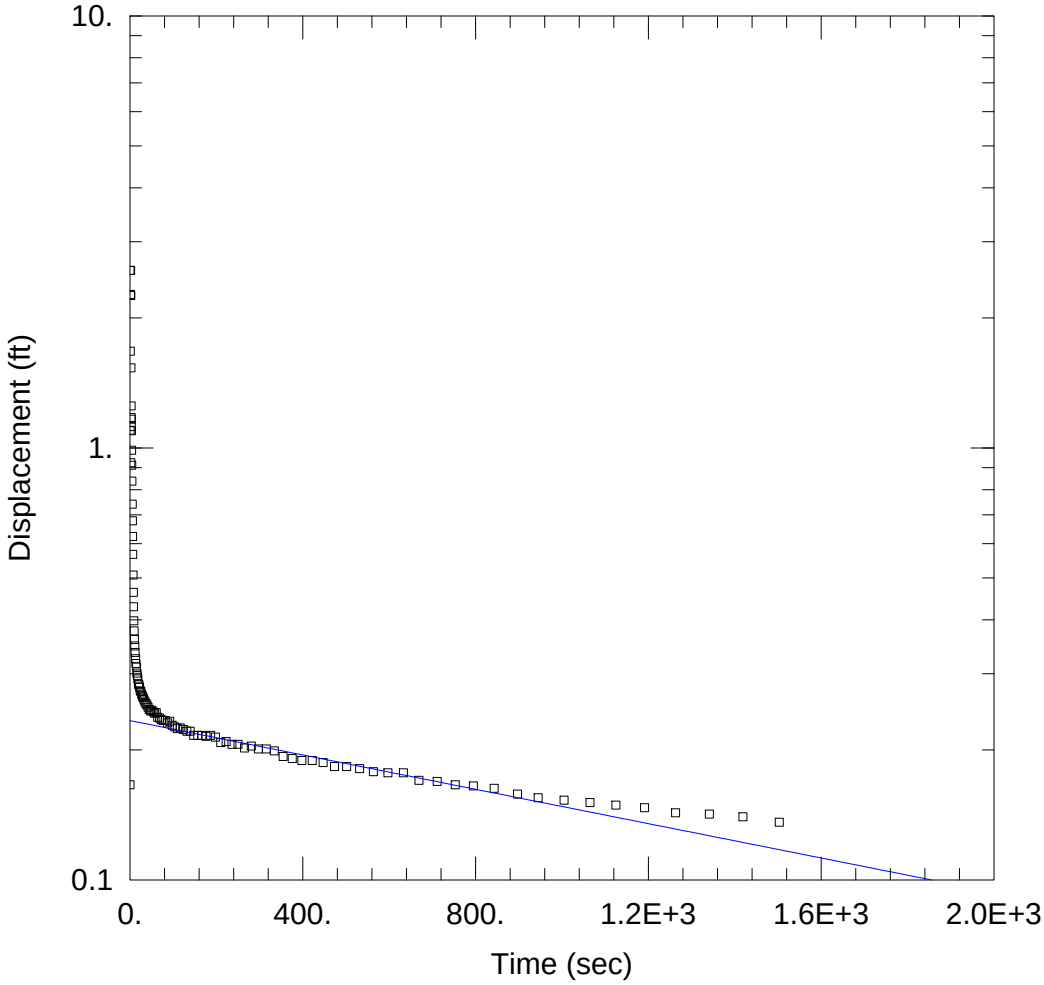
Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.53

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	5.839E-5	cm/sec
y0	0.3063	ft

T = K*b = 0.0178 cm²/sec



MW03D RISING HEAD TEST

Data Set: K:\...\MW03D_Rising.aqt
Date: 10/16/15 Time: 14:04:11

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW03D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW03D)

Initial Displacement: 2.575 ft Static Water Column Height: 5.613 ft
Total Well Penetration Depth: 38. ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.053E-5 cm/sec y0 = 0.2338 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW03D_Rising.aqt
Title: MW03D Rising Head Test
Date: 10/16/15
Time: 14:10:38

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW03D

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW03D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.575 ft
Static Water Column Height: 5.613 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 38. ft

No. of Observations: 109

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.22	0.166	68.55	0.237
0.642	1.099	72.75	0.235
1.065	1.674	76.95	0.234
1.285	2.266	81.75	0.234
1.504	2.575	87.15	0.231
1.723	-0.435	91.95	0.233
1.942	2.254	97.95	0.228
2.161	0.924	103.9	0.226
2.38	1.533	109.9	0.224
2.599	1.176	116.5	0.225
2.818	1.251	123.7	0.223
3.037	1.165	131.5	0.221
3.256	1.121	139.3	0.221
3.508	1.096	147.7	0.216
3.868	0.988	156.7	0.216
4.288	0.912	166.3	0.216
4.708	0.838	175.9	0.215
5.323	0.741	186.7	0.216
5.745	0.678	198.1	0.214
6.148	0.624	210.2	0.208
6.628	0.567	222.7	0.209
7.228	0.508	235.9	0.206
7.828	0.463	250.3	0.206
8.428	0.429	265.3	0.202
9.087	0.398	280.9	0.204
9.807	0.377	297.7	0.201
10.69	0.36	315.9	0.201
11.37	0.348	334.3	0.199
12.21	0.336	354.7	0.193
13.11	0.325	375.7	0.191

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
14.07	0.317	397.9	0.189
15.23	0.311	421.9	0.189
16.11	0.301	447.1	0.187
17.25	0.297	473.5	0.183
18.45	0.292	501.7	0.183
19.71	0.284	531.7	0.181
21.03	0.283	563.5	0.178
22.47	0.279	597.1	0.177
23.97	0.274	633.1	0.177
25.53	0.273	669.1	0.17
27.21	0.269	711.2	0.169
29.01	0.266	753.1	0.166
30.87	0.264	795.1	0.165
32.91	0.261	843.1	0.163
35.01	0.258	897.1	0.158
37.23	0.256	945.1	0.155
39.63	0.254	1005.2	0.153
42.15	0.251	1065.2	0.151
44.79	0.248	1125.2	0.149
47.61	0.246	1191.2	0.147
50.61	0.247	1263.2	0.143
53.79	0.245	1341.2	0.142
57.15	0.243	1419.2	0.14
60.75	0.244	1503.2	0.136
64.35	0.238		

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.53

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	2.053E-5	cm/sec
y0	0.2338	ft

T = K*b = 0.006257 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.004434	0.0008279	+/- 0.001641	5.355	cm/sec
y0	1.446	0.1291	+/- 0.2559	11.2	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 1.351 cm²/sec

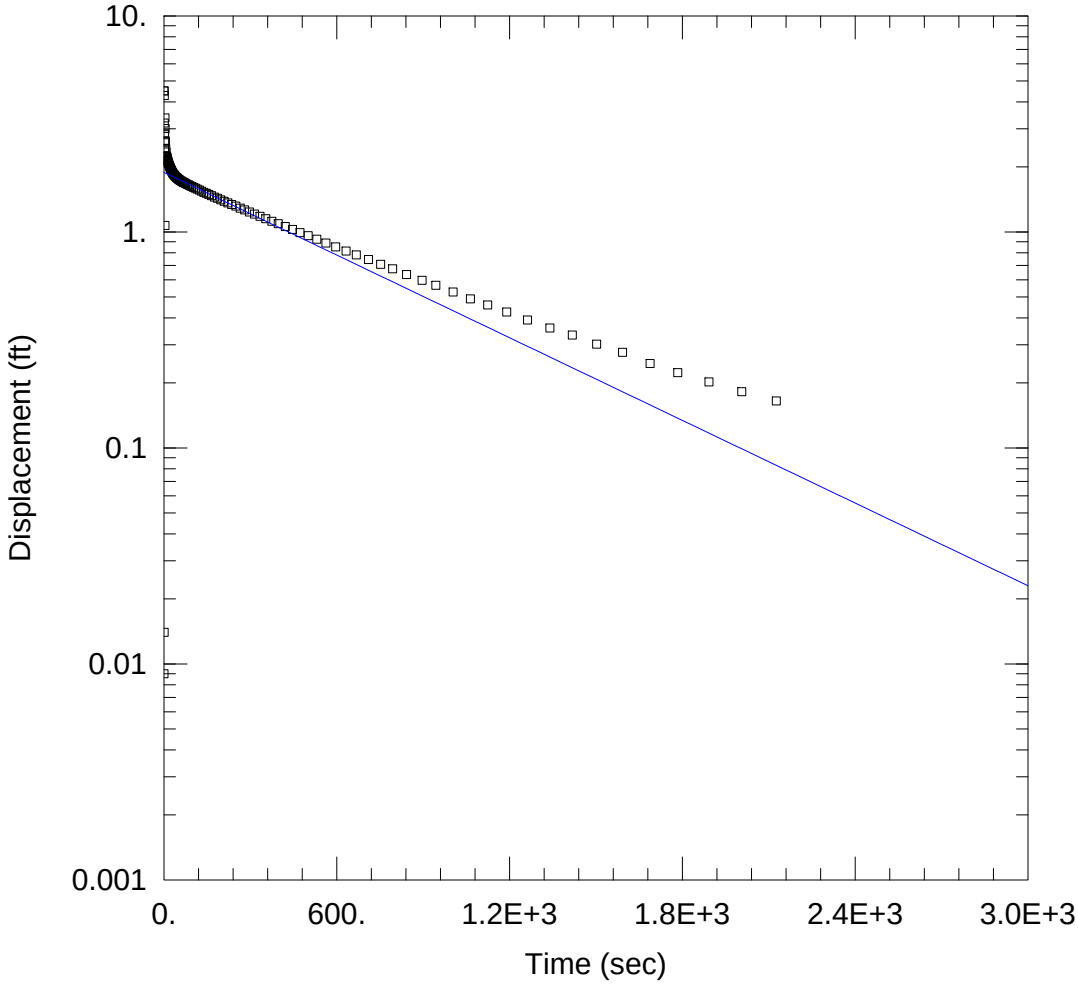
Parameter Correlations

	K	y0
K	1.00	0.72
y0	0.72	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 11.85 ft^2
Variance . . . . . 0.1107 ft^2
Std. Deviation . . . . . 0.3327 ft
Mean . . . . . 0.1235 ft
No. of Residuals 109
No. of Estimates 2



MW04D FALLING HEAD TEST

Data Set: K:\...\MW04D_Falling.aqt
Date: 10/16/15 Time: 14:04:40

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW04D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 13.32 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW04D)

Initial Displacement: 4.501 ft Static Water Column Height: 13.32 ft
Total Well Penetration Depth: 39.5 ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 6.621E-5 cm/sec y0 = 1.885 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW04D_Falling.aqt
Title: MW04D Falling Head Test
Date: 10/16/15
Time: 14:11:02

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW04D

AQUIFER DATA

Saturated Thickness: 13.32 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW04D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 4.501 ft
Static Water Column Height: 13.32 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 39.5 ft

No. of Observations: 111

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.355	0.009	91.05	1.636
0.574	0.014	97.05	1.622
0.994	4.501	103.	1.607
1.416	4.277	109.	1.594
1.635	3.191	115.8	1.579
1.853	2.817	122.8	1.561
2.072	2.439	130.8	1.544
2.291	2.375	138.4	1.525
2.51	2.847	146.8	1.509
2.732	2.642	155.8	1.491
2.97	2.133	165.6	1.471
3.39	3.372	175.	1.45
3.809	1.072	185.9	1.432
4.229	3.013	197.2	1.407
4.71	2.116	209.2	1.386
5.322	2.631	221.8	1.363
5.744	2.252	235.	1.34
6.33	2.431	249.4	1.317
6.93	2.201	264.4	1.289
7.529	2.345	280.	1.265
8.189	2.251	296.8	1.237
8.909	2.233	314.8	1.209
9.689	2.229	333.4	1.18
10.6	2.203	353.8	1.151
11.31	2.183	374.8	1.12
12.21	2.162	397.	1.091
13.17	2.141	421.2	1.059
14.13	2.12	446.2	1.026
15.34	2.096	472.6	0.993
16.35	2.075	500.8	0.961

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
17.55	2.051	530.8	0.926
18.81	2.029	562.6	0.888
20.13	2.007	596.4	0.853
21.57	1.986	632.2	0.815
23.07	1.967	668.2	0.783
24.63	1.943	710.2	0.745
26.31	1.922	752.2	0.708
28.11	1.902	794.2	0.675
29.97	1.885	842.2	0.635
32.01	1.865	896.2	0.597
34.11	1.847	944.2	0.566
36.33	1.83	1004.3	0.527
38.73	1.814	1064.3	0.49
41.25	1.799	1124.3	0.459
43.89	1.785	1190.3	0.426
46.71	1.771	1262.4	0.391
49.71	1.757	1340.3	0.359
52.89	1.745	1418.3	0.333
56.25	1.732	1502.3	0.302
59.85	1.722	1592.3	0.277
63.45	1.71	1688.3	0.246
67.65	1.696	1784.3	0.223
71.85	1.687	1892.3	0.202
76.05	1.674	2006.3	0.182
80.97	1.662	2126.3	0.165
86.25	1.649		

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.553

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	6.621E-5	cm/sec
y0	1.885	ft

T = K*b = 0.02688 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	7.953E-5	1.023E-5	+/- 2.028E-5	7.771	cm/sec
y0	2.168	0.07033	+/- 0.1394	30.82	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.03228 cm²/sec

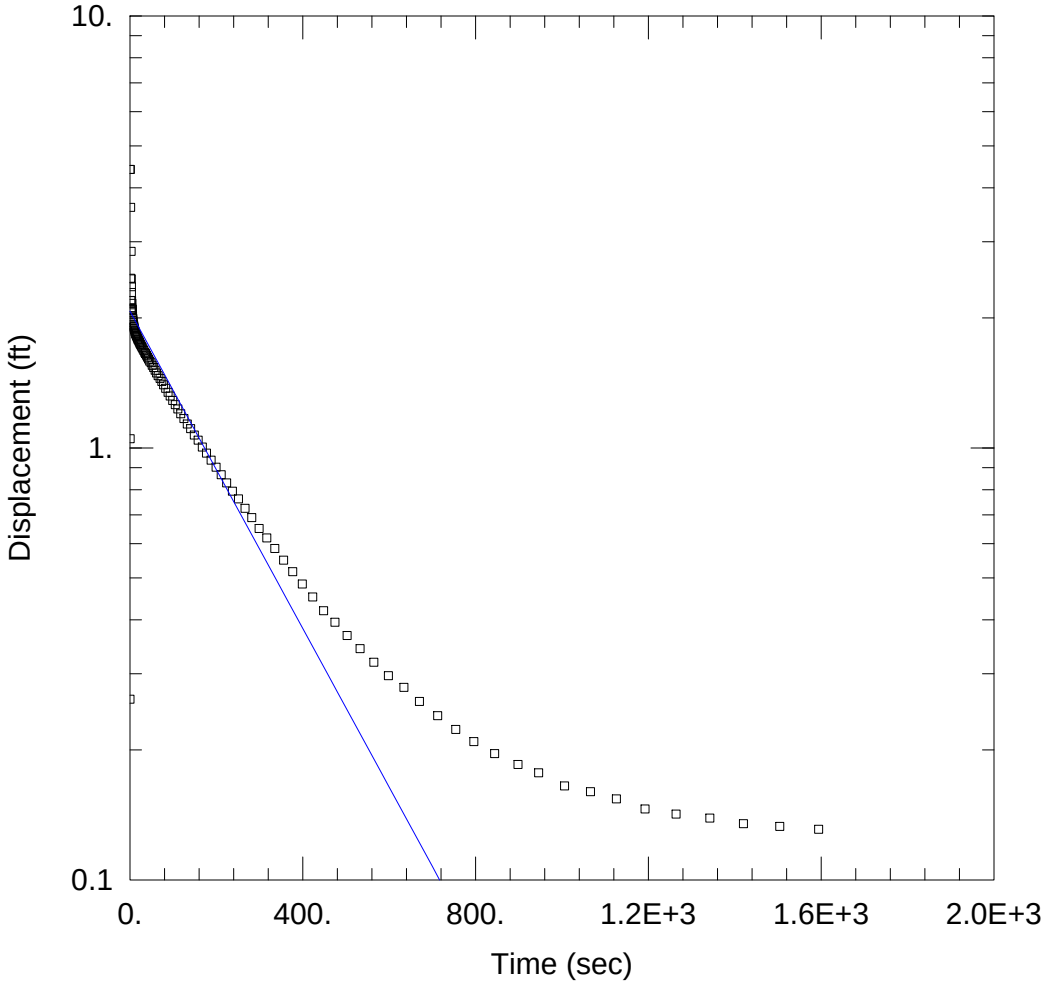
Parameter Correlations

	K	y0
K	1.00	0.49
y0	0.49	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 27.24 ft^2
Variance . . . . . 0.2499 ft^2
Std. Deviation . . . . . 0.4999 ft
Mean . . . . . 0.01669 ft
No. of Residuals 111
No. of Estimates 2



MW04D RISING HEAD TEST

Data Set: K:\...\MW04D_Rising.aqt
Date: 10/16/15 Time: 14:04:54

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Well: MW04D
Test Date: 10/15/15

AQUIFER DATA

Saturated Thickness: 13.49 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW04D)

Initial Displacement: 4.411 ft Static Water Column Height: 13.49 ft
Total Well Penetration Depth: 39.5 ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.0833 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0001906 cm/sec y0 = 2.073 ft

Data Set: K:\Industrial\Siemens\2015_Supplemental Sampling Investigation\Slug Test Results\MW04D_Rising.aqt
Title: MW04D Rising Head Test
Date: 10/16/15
Time: 14:11:56

PROJECT INFORMATION

Company: Weston Solutions
Client: Siemens
Location: Batavia, IL
Test Date: 10/15/15
Test Well: MW04D

AQUIFER DATA

Saturated Thickness: 13.49 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW04D

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 4.411 ft
Static Water Column Height: 13.49 ft
Casing Radius: 0.0833 ft
Well Radius: 0.0833 ft
Well Skin Radius: 0.1771 ft
Screen Length: 10. ft
Total Well Penetration Depth: 39.5 ft

No. of Observations: 111

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.349	0.262	69.65	1.448
0.568	1.05	73.94	1.425
0.988	4.411	78.05	1.4
1.628	3.606	82.85	1.374
1.848	2.471	88.25	1.345
2.067	2.194	93.05	1.319
2.723	2.852	99.24	1.288
2.942	2.085	105.	1.259
3.161	2.461	111.	1.231
3.379	2.29	117.6	1.2
3.598	2.362	124.8	1.169
3.947	2.193	132.6	1.136
4.368	2.112	140.4	1.108
4.79	2.16	149.	1.071
5.011	2.094	157.8	1.042
5.232	2.094	167.4	1.005
5.452	2.074	177.	0.973
5.81	2.054	187.8	0.937
6.23	2.02	199.4	0.902
6.71	1.993	211.2	0.867
7.25	1.97	223.9	0.83
7.73	1.952	237.	0.794
8.33	1.929	251.4	0.762
8.953	1.918	266.4	0.725
9.53	1.903	282.	0.69
10.19	1.888	299.	0.651
10.91	1.875	316.8	0.619
11.69	1.862	335.4	0.585
12.47	1.853	355.8	0.55
13.31	1.839	376.8	0.517

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
14.21	1.829	399.1	0.484
15.17	1.82	423.	0.452
16.13	1.81	448.2	0.42
17.21	1.799	474.8	0.395
18.35	1.787	502.8	0.368
19.55	1.778	532.8	0.343
20.81	1.767	564.6	0.319
22.13	1.757	598.2	0.297
23.59	1.743	634.2	0.279
25.07	1.734	670.2	0.259
26.63	1.721	712.2	0.24
28.31	1.709	754.2	0.223
30.11	1.694	796.2	0.209
31.97	1.682	844.2	0.196
34.15	1.664	898.2	0.185
36.11	1.653	946.2	0.177
38.33	1.639	1006.3	0.165
40.73	1.622	1066.3	0.16
43.25	1.606	1126.3	0.154
45.89	1.588	1192.3	0.146
48.9	1.575	1264.3	0.142
51.71	1.554	1342.3	0.139
54.89	1.535	1420.3	0.135
58.25	1.513	1504.3	0.133
61.85	1.491	1594.3	0.131
65.45	1.47		

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 4.553

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001906	cm/sec
y0	2.073	ft

T = K*b = 0.0784 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.0001906	1.916E-5	+/- 3.798E-5	9.948	cm/sec
y0	2.073	0.05709	+/- 0.1132	36.31	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.0784 cm²/sec

Parameter Correlations

	K	y0
K	1.00	0.53
y0	0.53	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 14.46 ft^2
Variance . . . . . 0.1326 ft^2
Std. Deviation . . . . . 0.3642 ft
Mean . . . . . 0.02516 ft
No. of Residuals 111
No. of Estimates 2

APPENDIX H
Analytical Results, Validation Reports and Raw Data Tables

Analytical Results – See attached CD
Validation Reports – See attached CD

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	7.36	7.95	8.28	8.17	NA	7.8	7.78	7.97	8.32	8.33	8.34	8.78	8.69	NA	NA
Percent Solids (%)	72	87	89	85	NA	78	87	75	89	85	90	86	86	78	86
Total Metals (mg/kg)															
Antimony, Total	0.33 J	0.33 J	0.63 J	1.1 U	NA	0.25 J	0.41 J	1.3 U	0.37 J	4.9	0.35 J	0.26 J	1.1 U	NA	NA
Arsenic, Total	6.4	5.6	4.8	13	NA	5.6	5.6	8.8	6.1	32	5.9	6.7	6.3	NA	NA
Barium, Total	97	24	33	42	NA	150	25	190	21	25	18	38	37	NA	NA
Beryllium, Total	0.58	0.65	0.46	0.42	NA	0.63	0.56	0.69	0.53	0.27	0.49	0.42	0.41	NA	NA
Cadmium, Total	1.7	0.28	0.28	0.11 U	NA	1.2	0.28	0.63	0.28	1.2	0.3	0.29	0.28	NA	NA
Calcium, Total	27000	63000	12000	86000	NA	4400	71000	5600	74000	45000	86000	110000	97000	NA	NA
Chromium, Total	18	19	25	12	NA	18	16	18	15	42	14	12	11	NA	NA
Cobalt, Total	5.4	9.6	2.9	14	NA	7.4	11	11	9.7	11	8.9	6.3	6.2	NA	NA
Copper, Total	31	22	41	20	NA	29	23	18	23	160	18	15	15	NA	NA
Iron, Total	15000	19000	18000	19000	NA	18000	18000	20000	17000	150000	17000	15000	14000	NA	NA
Lead, Total	44	12	23	12	NA	15	14	17	10	9.3	9.8	8.1	7.2	NA	NA
Magnesium, Total	16000	37000	4300	43000	NA	3300	37000	3900	35000	27000	46000	54000	51000	NA	NA
Manganese, Total	410	340	700	380	NA	500	330	1800	380	900	350	390	350	NA	NA
Nickel, Total	13	26	42	28	NA	17	26	32	23	31	21	15	15	NA	NA
Potassium, Total	1900	3700	650	1900	NA	890	3200	1400	2900	660	2800	2100	2200	NA	NA
Selenium, Total	0.85	0.33 J	0.75	2.8 U	NA	0.66	0.55 U	1.3	0.53 U	4.1	0.46 J	0.57 U	0.54 U	NA	NA
Silver, Total	0.26 J	0.28 U	0.11 J	0.28 U	NA	0.3 U	0.28 U	0.078 J	0.27 U	0.21 J	0.27 U	0.28 U	0.27 U	NA	NA
Sodium, Total	130	200	130	150	NA	110	260	180	210	140	230	260	220	NA	NA
Thallium, Total	0.51 J	0.62	0.52 U	0.56 U	NA	0.59 U	0.30 J	2.3	0.51 J	2.8 U	0.62	0.51 J	0.53 J	NA	NA
Vanadium, Total	25	21	14	14	NA	30	18	29	18	44	17	17	16	NA	NA
Zinc, Total	72	42	47	63	NA	59	36	64	44	18	36	32	35	NA	NA
Mercury, Total	0.04	0.021	0.015 J	0.0088 J	NA	0.037	0.027	0.043	0.02	0.02	0.017	0.017	0.023	NA	NA
Cyanide (mg/kg)															
Total Cyanide	0.24 J	0.57 U	0.54 U	0.51 U	NA	0.63 U	0.56 U	0.66 U	0.55 U	0.31 J	0.55 U	0.58 U	0.57 U	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
4,4'-DDE	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
4,4'-DDT	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Aldrin	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Alpha-BHC	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Alpha-chlordane	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Beta-BHC	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Delta-BHC	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Dieldrin	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endosulfan I	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endosulfan II	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endosulfan Sulfate	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endrin	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endrin Aldehyde	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Endrin Ketone	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Gamma-BHC	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Gamma-Chlordane	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Heptachlor	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Heptachlor Epoxide	NA	NA	19 U	9.6 U	NA	21 U	19 U	NA	NA	NA	NA	1.9 U	1.9 U	NA	NA
Methoxychlor	NA	NA	92 U	47 U	NA	100 U	91 U	NA	NA	NA	NA	9.4 U	9.1 U	NA	NA
Tech-Chlordane	NA	NA	74 U	38 U	NA	84 U	73 U	NA	NA	NA	NA	7.6 U	7.4 U	NA	NA
Toxaphene	NA	NA	190 U	94 U	NA	210 U	180 U	NA	NA	NA	NA	19 U	18 U	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
PCBs (ug/kg)															
Aroclor 1016	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1221	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1232	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1242	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1248	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1254	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
Aroclor 1260	NA	NA	19 U	19 U	NA	21 U	18 U	NA	NA	NA	NA	19 U	18 U	NA	NA
PAHs (ug/kg)															
Acenaphthene	44 U	37 U	70	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Acenaphthylene	44 U	37 U	29 J	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Anthracene	10 J	37 U	110	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(a)anthracene	110	37 U	1600	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(a)pyrene	110	37 U	2500	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(b)fluoranthene	190	37 U	4000	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(g,h,i)perylene	100	17 J	2700	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Benzo(k)fluoranthene	77	37 U	1300	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Chrysene	140	21 J	2400	39 U	NA	26 J	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Dibenz(a,h)anthracene	44 U	37 U	1200	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Fluoranthene	240	37 U	2100	39 U	NA	11 J	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Fluorene	44 U	37 U	35 J	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Indeno(1,2,3-cd)pyrene	85	37 U	2200	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Naphthalene	44 U	37 U	170	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
Phenanthrene	110	37 U	690	39 U	NA	42 U	26 J	NA	NA	NA	NA	37 U	37 U	NA	NA
Pyrene	190	8.5 J	1600	8.7 J	NA	12 J	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
1,2-Dichlorobenzene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
1,3-Dichlorobenzene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
1,4-Dichlorobenzene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
2,4,5-Trichlorophenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
2,4,6-Trichlorophenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
2,4-Dichlorophenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
2,4-Dimethylphenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 UJ	370 UJ	NA	NA
2,4-Dinitrophenol	NA	NA	720 UJ	780 U	NA	850 U	760 UJ	NA	NA	NA	NA	750 U	750 U	NA	NA
2,4-Dinitrotoluene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
2,6-Dinitrotoluene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
2-Chloronaphthalene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
2-Chlorophenol	NA	NA	180 UJ	190 U	NA	210 U	190 UJ	NA	NA	NA	NA	190 U	190 U	NA	NA
2-Methylnaphthalene	NA	NA	130	39 U	NA	120	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
2-Methylphenol	NA	NA	180 UJ	190 U	NA	210 U	190 UJ	NA	NA	NA	NA	190 U	190 U	NA	NA
2-Nitroaniline	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
2-Nitrophenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
3,3'-Dichlorobenzidine	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
3,4-Methylphenol	NA	NA	180 UJ	190 U	NA	210 U	190 UJ	NA	NA	NA	NA	190 U	190 U	NA	NA
3-Nitroaniline	NA	NA	360 U	390 U	NA	420 U	380 U	NA	NA	NA	NA	370 U	370 U	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
4-Bromophenyl-phenylether	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
4-Chloroaniline	NA	NA	720 U	780 U	NA	850 U	760 U	NA	NA	NA	NA	750 U	750 U	NA	NA
4-Chlorophenyl-phenylether	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
4-Nitroaniline	NA	NA	360 U	390 U	NA	420 U	380 U	NA	NA	NA	NA	370 U	370 U	NA	NA
4-Nitrophenol	NA	NA	720 UJ	780 U	NA	850 U	760 UJ	NA	NA	NA	NA	750 U	750 U	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
bis(2-Chloroethyl)ether	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Butyl benzyl phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Carbazole	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Dibenzofuran	NA	NA	67 J	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Diethyl phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Dimethyl phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Di-N-Butyl phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Di-N-Octyl phthalate	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Hexachlorobenzene	NA	NA	72 U	78 U	NA	85 U	76 U	NA	NA	NA	NA	75 U	75 U	NA	NA
Hexachlorobutadiene	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Hexachlorocyclopentadiene	NA	NA	720 U	780 U	NA	850 U	760 U	NA	NA	NA	NA	750 U	750 U	NA	NA
Hexachloroethane	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Isophorone	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
Nitrobenzene	NA	NA	36 U	39 U	NA	42 U	38 U	NA	NA	NA	NA	37 U	37 U	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
N-Nitrosodiphenylamine	NA	NA	180 U	190 U	NA	210 U	190 U	NA	NA	NA	NA	190 U	190 U	NA	NA
p-Chloro-m-cresol	NA	NA	360 UJ	390 U	NA	420 U	380 UJ	NA	NA	NA	NA	370 U	370 U	NA	NA
Pentachlorophenol	NA	NA	720 UJ	780 U	NA	850 U	760 UJ	NA	NA	NA	NA	750 U	750 U	NA	NA
Phenol	NA	NA	180 UJ	190 U	NA	210 U	190 UJ	NA	NA	NA	NA	190 U	190 U	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB001	SRE-SB001	SRE-SB002	SRE-SB002	SRE-SB002	SRE-SB003	SRE-SB003	SRE-SB004	SRE-SB004	SRE-SB005	SRE-SB005	SRE-SB006	SRE-SB006	SRE-SB006	SRE-SB006
FieldSampleID	SRE-SB001-000-1	SRE-SB001-014-1	SRE-SB002-000-1	SRE-SB002-014-1	SRE-SB002-001-1	SRE-SB003-000-1	SRE-SB003-014-1	SRE-SB004-000-1	SRE-SB004-014-1	SRE-SB005-000-1	SRE-SB005-014-1	SRE-SB006-000-1	SRE-SB006-000-2	SRE-SB006-001-1	SRE-SB006-015-1
Sample Date	1/8/2015	1/8/2015	1/9/2015	1/9/2015	7/21/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	7/21/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	1 - 3 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	1 - 3 ft	15 - 17 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,1,2-Trichloroethane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,1-Dichloroethane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,1-Dichloroethene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,2-Dichloroethane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,2-Dichloropropane	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,2,4-Trichlorobenzene	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,2-Dichlorobenzene	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,3-Dichlorobenzene	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
1,4-Dichlorobenzene	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
2-Hexanone	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
4-Methyl-2-pentanone	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Acetone	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	7.6	7.4	NA	NA
Benzene	8.9 U	4.9 U	46	5.3 U	NA	18 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Bromodichloromethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Bromoform	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Bromomethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Carbon disulfide	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Carbon tetrachloride	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Chlorobenzene	NA	NA	55 U	5.3 U	NA	97	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Chloroethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Chloroform	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Chloromethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
cis-1,2-Dichloroethene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
cis-1,3-Dichloropropene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Cyclohexane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Dibromochloromethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Dichlorodifluoromethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Ethylbenzene	8.9 U	4.9 U	110	5.3 U	NA	18 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Ethylene dibromide	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Isopropylbenzene	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methyl acetate	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methyl Ethyl Ketone	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methyl tert butyl ether	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methylcyclohexane	NA	NA	130	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Methylene chloride	NA	NA	280 U	5.3 U	NA	360 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Styrene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Tetrachloroethene	NA	NA	210	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Toluene	8.9 U	4.9 U	170	5.3 U	NA	18 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
trans-1,2-Dichloroethylene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
trans-1,3-Dichloropropene	NA	NA	55 U	5.3 U	NA	73 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Trichloroethene	NA	NA	3100	5.3 U	NA	36 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Trichlorofluoromethane	NA	NA	110 U	5.3 U	NA	150 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Vinyl Chloride	NA	NA	14 U	5.3 U	NA	18 U	4.7 U	NA	NA	NA	NA	4.2 U	4.9 U	NA	NA
Xylenes, Total	18 U	9.7 U	170	11 U	NA	36 U	9.5 U	NA	NA	NA	NA	8.4 U	9.9 U	NA	NA
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7	1
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	14
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9	1.8
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012
FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1
Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	8.34	8.49	8.29	8.07	7.76	7.98	7.77	8.43	8.68	8.74	8.22	NA	8.69
Percent Solids (%)	78	88	90	78	85	84	87	79	79	84	94	78	80	NA	94
Total Metals (mg/kg)															
Antimony, Total	NA	NA	1.0 U	0.26 J	0.39 J	5.6 U	5.4 U	0.30 J	0.32 J	0.30 J	5.1 U	0.35 J	0.35 J	NA	1.0 U
Arsenic, Total	NA	NA	1.7	2.9	6	7.5	7.5	3.1	8.3	3.6	2.0 J	3.8	7.2	NA	2.8
Barium, Total	NA	NA	100	130	46	84	38	91	140	35	12	39	39	NA	14
Beryllium, Total	NA	NA	0.61	0.78	0.49	0.42 J	0.59 J	0.67	0.62	0.44	1.0 U	0.49	0.82	NA	0.2
Cadmium, Total	NA	NA	0.56	0.2	0.36	1.4	0.54 U	0.22	0.46	0.31	0.25 J	0.7	0.24	NA	0.21
Calcium, Total	NA	NA	8300	4800	76000	41000	63000	6500	5200	82000	140000	74000	44000	NA	81000
Chromium, Total	NA	NA	14	20	13	19	20	18	19	12	10	17	23	NA	5.7
Cobalt, Total	NA	NA	3.3	6.3	5.6	7.4	13	5.5	17	8.2	66	6.6	12	NA	2.3
Copper, Total	NA	NA	26	21	19	23	24	16	14	23	9.8	20	21	NA	7.8
Iron, Total	NA	NA	10000	15000	21000	16000	20000	16000	21000	16000	9800	16000	22000	NA	6200
Lead, Total	NA	NA	8.3	11	8.9	30	12	10	11	11	2.7	9.1	12	NA	9.5
Magnesium, Total	NA	NA	4300	4200	37000	24000	36000	4600	4700	45000	83000	41000	29000	NA	38000
Manganese, Total	NA	NA	120	220	300	470	410	240	1000	440	260	470	400	NA	200
Nickel, Total	NA	NA	15	19	19	20	35	15	34	21	13	18	31	NA	5.6
Potassium, Total	NA	NA	830	850	1900	1200	3000	1000	1400	2200	1100	2400	4400	NA	820
Selenium, Total	NA	NA	0.71	0.32 J	0.56 U	2.8 U	2.7 U	0.75	0.96	0.36 J	1.4 J	0.33 J	0.56 J	NA	0.51 U
Silver, Total	NA	NA	0.41	0.31 U	0.28 U	1.2 J	1.4 U	0.29 U	0.069 J	0.28 U	1.3 U	1.3	0.31 U	NA	0.25 U
Sodium, Total	NA	NA	290	340	250	100 J	190 J	57 U	62	180	1400	430	250	NA	140
Thallium, Total	NA	NA	0.52 U	0.62 U	0.56 U	2.8 U	2.7 U	0.57 U	1.4	0.69	2.6 U	0.78	0.69	NA	0.50 J
Vanadium, Total	NA	NA	22	30	23	35	20	26	32	17	7.3	21	22	NA	10
Zinc, Total	NA	NA	44	47	32	74	53	50	50	43	16	37	47	NA	28
Mercury, Total	NA	NA	0.028	0.045	0.028	0.047	0.03	0.045	0.044	0.041	0.011 J	0.027	0.019 J	NA	0.014 J
Cyanide (mg/kg)															
Total Cyanide	NA	NA	0.52 U	0.59 U	0.58 U	0.57 U	0.54 U	0.22 J	0.23 J	0.18 J	0.49 U	0.24 J	0.27 J	NA	0.5 U
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	0.68 J
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.3 J
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32	21 U	10 U	NA	1.8 U
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18 U	21 U	10 U	NA	1.8 U
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86 U	100 U	51 U	NA	8.8 U
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	69 U	83 U	41 U	NA	7.1 U
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170 U	210 U	100 U	NA	18 U
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012
FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1
Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft
PCBs (ug/kg)															
Aroclor 1016	210 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
Aroclor 1221	210 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
Aroclor 1232	210 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
Aroclor 1242	210 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
Aroclor 1248	210 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
Aroclor 1254	2700	18 U	NA	NA	NA	NA	NA	NA	NA	NA	1500	42	21 U	NA	18 U
Aroclor 1260	830	18 U	NA	NA	NA	NA	NA	NA	NA	NA	86 U	21 U	21 U	NA	18 U
PAHs (ug/kg)															
Acenaphthene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	1100	39 U	35 U	1700	39 J	NA	35 U
Acenaphthylene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	200	39 U	35 U	220 J	40 U	NA	35 U
Anthracene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	200 U	39 U	35 U	1200	23 J	NA	35 U
Benzo(a)anthracene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	490	39 U	800	1100	36 J	NA	7.2 J
Benzo(a)pyrene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	300	39 U	1000	1400	29 J	NA	35 U
Benzo(b)fluoranthene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	140 J	39 U	2200	2000	52	NA	8.6 J
Benzo(g,h,i)perylene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	150 J	13 J	2100	1100	47	NA	35 U
Benzo(k)fluoranthene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	200 U	39 U	35 U	490	13 J	NA	35 U
Chrysene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	870	39 U	1200	2100	80	NA	35 U
Dibenz(a,h)anthracene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	200 U	39 U	620	260 J	40 U	NA	35 U
Fluoranthene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	340	39 U	560	570	18 J	NA	8.9 J
Fluorene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	1100	39 U	35 U	1900	28 J	NA	35 U
Indeno(1,2,3-cd)pyrene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	200 U	39 U	1600	870	22 J	NA	35 U
Naphthalene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	420	39 U	35 U	1500	19 J	NA	35 U
Phenanthrene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	4000	39 U	77	8300	220	NA	35 U
Pyrene	NA	NA	35 U	41 U	39 U	NA	NA	41 U	3400	39 U	690	7500	140	NA	35 U
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012
FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1
Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
1,2-Dichlorobenzene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
1,3-Dichlorobenzene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
1,4-Dichlorobenzene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2,4,5-Trichlorophenol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
2,4,6-Trichlorophenol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
2,4-Dichlorophenol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
2,4-Dimethylphenol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 UJ	4200 UJ	400 UJ	NA	350 UJ
2,4-Dinitrophenol	NA	NA	700 U	840 U	790 U	NA	NA	NA	NA	NA	710 U	8600 U	820 U	NA	710 U
2,4-Dinitrotoluene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2,6-Dinitrotoluene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2-Chloronaphthalene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2-Chlorophenol	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2-Methylnaphthalene	NA	NA	35 U	41 U	39 U	NA	NA	NA	NA	NA	35 U	17000	230	NA	35 U
2-Methylphenol	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2-Nitroaniline	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
2-Nitrophenol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
3,3'-Dichlorobenzidine	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
3,4-Methylphenol	NA	NA	420	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
3-Nitroaniline	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
4,6-Dinitro-2-methylphenol	NA	NA	400	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
4-Bromophenyl-phenylether	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
4-Chloroaniline	NA	NA	700 U	840 U	790 U	NA	NA	NA	NA	NA	710 U	8600 U	820 U	NA	710 U
4-Chlorophenyl-phenylether	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
4-Nitroaniline	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
4-Nitrophenol	NA	NA	700 U	840 U	790 U	NA	NA	NA	NA	NA	710 U	8600 U	820 U	NA	710 U
bis(2-Chloroethoxy)methane	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
bis(2-Chloroethyl)ether	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
bis(2-Chloroisopropyl)ether	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
bis(2-Ethylhexyl)phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Butyl benzyl phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Carbazole	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Dibenzofuran	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	960 J	200 U	NA	180 U
Diethyl phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Dimethyl phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Di-N-Butyl phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Di-N-Octyl phthalate	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Hexachlorobenzene	NA	NA	70 U	84 U	79 U	NA	NA	NA	NA	NA	71 U	860 U	82 U	NA	71 U
Hexachlorobutadiene	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Hexachlorocyclopentadiene	NA	NA	700 U	840 U	790 U	NA	NA	NA	NA	NA	710 U	8600 U	820 U	NA	710 U
Hexachloroethane	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Isophorone	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
Nitrobenzene	NA	NA	35 U	41 U	39 U	NA	NA	NA	NA	NA	35 U	420 U	40 U	NA	35 U
N-Nitroso-di-N-propylamine	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
N-Nitrosodiphenylamine	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U
p-Chloro-m-cresol	NA	NA	350 U	410 U	390 U	NA	NA	NA	NA	NA	350 U	4200 U	400 U	NA	350 U
Pentachlorophenol	NA	NA	700 U	840 U	790 U	NA	NA	NA	NA	NA	710 U	8600 U	820 U	NA	710 U
Phenol	NA	NA	180 U	210 U	200 U	NA	NA	NA	NA	NA	180 U	2100 U	200 U	NA	180 U

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Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB007	SRE-SB007	SRE-SB008	SRE-SB008	SRE-SB008	SRE-SB009	SRE-SB009	SRE-SB010	SRE-SB010	SRE-SB010	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB011	SRE-SB012
FieldSampleID	SRE-SB007-000-1	SRE-SB007-014-1	SRE-SB008-000-1	SRE-SB008-002-1	SRE-SB008-006-1	SRE-SB009-000-1	SRE-SB009-014-1	SRE-SB010-000-1	SRE-SB010-006-1	SRE-SB010-008-1	SRE-SB011-000-1	SRE-SB011-010-1	SRE-SB011-014-1	SRE-SB011-003-1	SRE-SB012-000-1
Sample Date	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/8/2015	7/21/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	6 - 8 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	6 - 8 ft	8 - 10 ft	0 - 2 ft	10 - 12 ft	14 - 16 ft	3 - 4 ft	0 - 2 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	370 U	250 U	NA	6.2 U
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	370 U	250 U	NA	6.2 U
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.2	370 U	250 U	NA	8.2
Benzene	NA	NA	NA	NA	NA	NA	NA	5.9 U	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	370 U	250 U	NA	6.2 U
Carbon tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	5.9 U	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U
Ethylene dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	120 J	100 U	NA	6.2 U
Methyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Methyl Ethyl Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	370 U	250 U	NA	6.2 U
Methyl tert butyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Methylcyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	110 J	100 U	NA	6.2 U
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	370 U	250 U	NA	6.2 U
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Toluene	NA	NA	NA	NA	NA	NA	NA	5.9 U	18 U	5.2 U	5.6 U	18 U	13 U	NA	6.2 U
trans-1,2-Dichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	73 U	51 U	NA	6.2 U
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	160	25 U	NA	6.2 U
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	150 U	100 U	NA	6.2 U
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6 U	18 U	13 U	NA	6.2 U
Xylenes, Total	NA	NA	NA	NA	NA	NA	NA	12 U	37 U	10 U	11 U	37 U	25 U	NA	12 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB012	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018
FieldSampleID	SRE-SB012-000-2	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	8.47	8.78	8.53	7.8	8.75	8.12	7.75	7.45	9.27	8.47	8.48	8.41	8.22	8.74	9.53
Percent Solids (%)	93	89	84	85	88	88	76	76	88	92	90	87	93	88	85
Total Metals (mg/kg)															
Antimony, Total	1.1 U	0.47 J	0.34 J	0.34 J	0.22 J	0.28 J	1.3 U	0.38 J	0.26 J	0.41 J	0.26 J	0.36 J	1.1 U	1.1 U	1.1 U
Arsenic, Total	3.8	8.7	5.7	7	2.7	14	4.2	5.8	6	3.7	3.6	12	6.6	6.4	3.3
Barium, Total	9.4	28	37	38	38	32	110	110	22	22	29	23	21	18	18
Beryllium, Total	0.18 J	0.48	0.64	0.5	0.37	0.51	0.63	0.73	0.55	0.35	0.33	0.51	0.24	0.54	0.20 J
Cadmium, Total	0.15	0.36	0.26	0.29	0.24	0.2	0.24	0.15	0.3	0.24	0.24	0.32	0.15	0.15	0.11
Calcium, Total	99000	80000	52000	76000	100000	43000	37000	3600	79000	46000	48000	100000	58000	73000	77000
Chromium, Total	4.5	13	19	16	11	15	17	18	16	11	10	15	6.5	14	5.6
Cobalt, Total	2.4	10	7.1	8.7	6.2	11	7.1	5.5	9.5	4.9	3.9	8.6	3.7	12	2.8
Copper, Total	7.7	21	20	19	12	15	14	21	18	13	12	16	11	19	8
Iron, Total	7000	23000	19000	17000	12000	20000	13000	19000	17000	10000	10000	16000	13000 ^	14000	6300
Lead, Total	9.3	17	11	9.6	5.7	9.2	12	9.1	9.7	15	13	9.3	5.3	13	4.3
Magnesium, Total	57000	43000	32000	39000	48000	25000	25000	3600	39000	25000	25000	57000	30000	31000	33000
Manganese, Total	240	410	270	350	460	630	440	350	360	240	230	290	250	310	220
Nickel, Total	5.2	23	22	20	17	25	12	18	24	13	11	22	8.7	30	7.3
Potassium, Total	710	2400	3400	2400	1900	2700	1300	870	3600	1700	1400	3100	610	2200	450
Selenium, Total	0.53 U	0.46 J	0.50 J	0.58 U	0.53 U	0.53 U	0.39 J	0.62	0.53 U	0.54 U	0.55 U	0.57 U	0.53 U	0.56 U	0.54 U
Silver, Total	0.27 U	0.27 U	0.29 U	0.29 U	0.27 U	0.26 U	0.32 U	0.3 U	0.27 U	0.27 U	0.27 U	0.29 U	0.27 U	0.28 U	0.27 U
Sodium, Total	160	190	150	190	420	350	120	88	260	170	200	200	130	150	120
Thallium, Total	0.53 U	0.30 J	0.30 J	0.58	0.53 U	0.49 J	0.65 U	0.61 U	0.53 U	0.54 U	0.55 U	0.57 U	0.29 J	0.53 J	0.54 U
Vanadium, Total	9.5	16	19	18	13	15	27	33	16	13	13	16	12	16	10
Zinc, Total	22	45	45	44	25	33	43	44	33	30	32	32	18	46	25
Mercury, Total	0.017 U	0.025	0.022	0.029	0.016 J	0.016 J	0.068	0.041	0.012 J	0.027	0.019	0.022	0.015 J	0.014 J	0.017 J
Cyanide (mg/kg)															
Total Cyanide	0.45 U	0.56 U	0.57 U	0.58 U	0.57 U	0.56 U	0.41 J	0.59 U	0.55 U	0.53 U	0.54 U	0.57 U	0.53 U	0.5 U	0.51 U
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
4,4'-DDE	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
4,4'-DDT	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Aldrin	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Alpha-BHC	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Alpha-chlordane	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Beta-BHC	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Delta-BHC	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Dieldrin	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endosulfan I	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endosulfan II	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endosulfan Sulfate	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endrin	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endrin Aldehyde	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Endrin Ketone	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Gamma-BHC	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Gamma-Chlordane	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Heptachlor	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Heptachlor Epoxide	1.7 U	9.3 U	NA	NA	9.7 U	9.7 U	NA	NA	NA	18 U	18 U	19 U	1.7 U	9.3 U	1.9 U
Methoxychlor	8.5 U	45 U	NA	NA	47 U	47 U	NA	NA	NA	90 U	89 U	95 U	8.4 U	45 U	9.4 U
Tech-Chlordane	6.9 U	37 U	NA	NA	38 U	38 U	NA	NA	NA	73 U	72 U	76 U	6.8 U	37 U	7.6 U
Toxaphene	17 U	91 U	NA	NA	95 U	95 U	NA	NA	NA	180 U	180 U	190 U	17 U	91 U	19 U
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB012	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018
FieldSampleID	SRE-SB012-000-2	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
PCBs (ug/kg)															
Aroclor 1016	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1221	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1232	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1242	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1248	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1254	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	18 U	18 U	19 U	17 U	18 U	19 U
Aroclor 1260	17 U	18 U	NA	NA	19 U	19 U	NA	NA	NA	24	29	19 U	17 U	18 U	19 U
PAHs (ug/kg)															
Acenaphthene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	35 U	35 U	38 U	35 U	36 U	38 U
Acenaphthylene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	35 U	35 U	38 U	35 U	36 U	38 U
Anthracene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	6.3 J	35 U	38 U	35 U	36 U	38 U
Benzo(a)anthracene	13 J	35 U	37	39 U	37 U	37 U	42 U	43 U	36 U	490	370	38 U	9.6 J	36 U	38 U
Benzo(a)pyrene	11 J	35 U	33 J	39 U	37 U	37 U	42 U	43 U	36 U	610	510	38 U	14 J	36 U	38 U
Benzo(b)fluoranthene	15 J	35 U	54	39 U	37 U	37 U	42 U	43 U	36 U	1600	1300	13 J	28 J	36 U	38 U
Benzo(g,h,i)perylene	35 U	11 J	30 J	39 U	37 U	37 U	42 U	43 U	18 J	1300	930	26 J	19 J	31 J	38 U
Benzo(k)fluoranthene	35 U	35 U	18 J	39 U	37 U	37 U	42 U	43 U	36 U	640	570	38 U	35 U	36 U	38 U
Chrysene	12 J	35 U	47	39 U	37 U	10 J	42 U	43 U	22 J	1100	890	22 J	15 J	24 J	38 U
Dibenz(a,h)anthracene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	330	260	38 U	35 U	36 U	38 U
Fluoranthene	19 J	35 U	81	39 U	37 U	37 U	42 U	43 U	36 U	390	310	38 U	35 U	36 U	38 U
Fluorene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	35 U	35 U	38 U	35 U	36 U	38 U
Indeno(1,2,3-cd)pyrene	35 U	35 U	23 J	39 U	37 U	37 U	42 U	43 U	36 U	870	690	14 J	15 J	36 U	38 U
Naphthalene	35 U	35 U	37 U	39 U	37 U	37 U	42 U	43 U	36 U	11 J	9.2 J	38 U	35 U	180	38 U
Phenanthrene	35 U	35 U	46	21 J	37 U	8.4 J	42 U	43 U	41	66	54	38 U	35 U	64	38 U
Pyrene	11 J	35 U	59	13 J	37 U	37 U	42 U	43 U	36 U	360	270	13 J	35 U	13 J	38 U
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
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Station Name	SRE-SB012	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018
FieldSampleID	SRE-SB012-000-2	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
1,2-Dichlorobenzene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
1,3-Dichlorobenzene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
1,4-Dichlorobenzene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2,4,5-Trichlorophenol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
2,4,6-Trichlorophenol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
2,4-Dichlorophenol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
2,4-Dimethylphenol	350 UJ	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 UJ	360 U	380 U
2,4-Dinitrophenol	710 U	720 U	NA	NA	750 U	750 U	NA	NA	NA	710 U	720 U	760 U	720 U	730 U	770 U
2,4-Dinitrotoluene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2,6-Dinitrotoluene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2-Chloronaphthalene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2-Chlorophenol	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2-Methylnaphthalene	35 U	35 U	NA	NA	37 U	37 U	NA	NA	NA	9.6 J	35 U	38 U	35 U	340	38 U
2-Methylphenol	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2-Nitroaniline	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
2-Nitrophenol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
3,3'-Dichlorobenzidine	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
3,4-Methylphenol	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
3-Nitroaniline	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
4,6-Dinitro-2-methylphenol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
4-Bromophenyl-phenylether	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
4-Chloroaniline	710 U	720 U	NA	NA	750 U	750 U	NA	NA	NA	710 U	720 U	760 U	720 U	730 U	770 U
4-Chlorophenyl-phenylether	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
4-Nitroaniline	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
4-Nitrophenol	710 U	720 U	NA	NA	750 U	750 U	NA	NA	NA	710 U	720 U	760 U	720 U	730 U	770 U
bis(2-Chloroethoxy)methane	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
bis(2-Chloroethyl)ether	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
bis(2-Chloroisopropyl)ether	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
bis(2-Ethylhexyl)phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	300	200	190 U	180 U	180 U	190 U
Butyl benzyl phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Carbazole	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Dibenzofuran	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Diethyl phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Dimethyl phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Di-N-Butyl phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Di-N-Octyl phthalate	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Hexachlorobenzene	71 U	72 U	NA	NA	75 U	75 U	NA	NA	NA	71 U	72 U	76 U	72 U	73 U	77 U
Hexachlorobutadiene	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Hexachlorocyclopentadiene	710 U	720 U	NA	NA	750 U	750 U	NA	NA	NA	710 U	720 U	760 U	720 U	730 U	770 U
Hexachloroethane	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Isophorone	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
Nitrobenzene	35 U	35 U	NA	NA	37 U	37 U	NA	NA	NA	35 U	35 U	38 U	35 U	36 U	38 U
N-Nitroso-di-N-propylamine	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
N-Nitrosodiphenylamine	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U
p-Chloro-m-cresol	350 U	350 U	NA	NA	370 U	370 U	NA	NA	NA	350 U	350 U	380 U	350 U	360 U	380 U
Pentachlorophenol	710 U	720 U	NA	NA	750 U	750 U	NA	NA	NA	710 U	720 U	760 U	720 U	730 U	770 U
Phenol	180 U	180 U	NA	NA	190 U	190 U	NA	NA	NA	180 U	180 U	190 U	180 U	180 U	190 U

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB012	SRE-SB012	SRE-SB013	SRE-SB013	SRE-SB014	SRE-SB014	SRE-SB015	SRE-SB015	SRE-SB015	SRE-SB016	SRE-SB016	SRE-SB016	SRE-SB017	SRE-SB017	SRE-SB018
FieldSampleID	SRE-SB012-000-2	SRE-SB012-014-1	SRE-SB013-000-1	SRE-SB013-014-1	SRE-SB014-000-1	SRE-SB014-014-1	SRE-SB015-000-1	SRE-SB015-000-2	SRE-SB015-014-1	SRE-SB016-000-1	SRE-SB016-000-2	SRE-SB016-014-1	SRE-SB017-000-1	SRE-SB017-014-1	SRE-SB018-000-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	1/8/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/9/2015	1/8/2015	1/8/2015	1/8/2015
Sample Interval (fg bgs)	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,1,2,2-Tetrachloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,1,2-Trichloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,1-Dichloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,1-Dichloroethene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,2-Dibromo-3-chloropropane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,2-Dichloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,2-Dichloropropane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,2,4-Trichlorobenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,2-Dichlorobenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,3-Dichlorobenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
1,4-Dichlorobenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
2-Hexanone	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
4-Methyl-2-pentanone	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Acetone	7.7	7.6	NA	NA	11	5.4	NA	NA	NA	6.8 U	5.8 U	4.9	11	6.9 U	7.2 U
Benzene	5.8 U	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Bromodichloromethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Bromoform	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Bromomethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Carbon disulfide	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Carbon tetrachloride	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Chlorobenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Chloroethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Chloroform	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Chloromethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
cis-1,2-Dichloroethene	5.8 U	5.0 U	NA	NA	4.5 U	4.0 J	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
cis-1,3-Dichloropropene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Cyclohexane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Dibromochloromethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Dichlorodifluoromethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Ethylbenzene	5.8 U	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Ethylene dibromide	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Isopropylbenzene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Methyl acetate	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Methyl Ethyl Ketone	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Methyl tert butyl ether	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Methylcyclohexane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Methylene chloride	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	6.8	6.9 U	7.2 U
Styrene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Tetrachloroethene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Toluene	5.8 U	5.0 U	5.3 U	4.6 U	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
trans-1,2-Dichloroethylene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
trans-1,3-Dichloropropene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Trichloroethene	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Trichlorofluoromethane	5.8 U	5.0 U	NA	NA	4.5 U	5.0 U	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Vinyl Chloride	5.8 U	5.0 U	NA	NA	4.5 U	13	NA	NA	NA	6.8 U	5.8 U	4.7 U	5.6 U	6.9 U	7.2 U
Xylenes, Total	12 U	9.9 U	11 U	9.2 U	9.1 U	9.9 U	NA	NA	NA	14 U	12 U	9.5 U	11 U	14 U	14 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB018	SRE-SB019	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022
FieldSampleID	SRE-SB018-014-1	SRE-SB019-000-1	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	8.99	9.24	8.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	88	77	86	94	90	78	77	91	91	83	79	90	87	78	77
Total Metals (mg/kg)															
Antimony, Total	1.1 U	1.3 U	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	1.7	5.9	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	25	64	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	0.42	0.46	0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	0.2	0.14	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	130000	32000	60000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	11	12	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	8	6.6	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	12	12	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	14000	12000	11000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	6.9	9.7	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	33000	18000	28000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	300	410	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	20	16	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	1600	850	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	0.56 U	0.42 J	0.43 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	0.28 U	0.32 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	140	85	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	0.56 U	0.63 U	0.26 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	13	24	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	33	42	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	0.013 J	0.016 J	0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	0.56 U	0.53 U	0.55 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	9.5 U	2.2 U	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	47 U	11 U	47 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	38 U	8.6 U	38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	94 U	21 U	94 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Batavia, Illinois

Station Name	SRE-SB018	SRE-SB019	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022
FieldSampleID	SRE-SB018-014-1	SRE-SB019-000-1	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft
PCBs (ug/kg)															
Aroclor 1016	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	19 U	21 U	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	19 U	19 J	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)															
Acenaphthene	36 U	42 U	36 U	100	35 U	41 U	42 U	36 U	36 U	38 U	NA	9.9 J	37 U	42 U	43 UJ
Acenaphthylene	36 U	42 U	36 U	35 U	35 U	41 U	42 U	36 U	36 U	38 U	NA	5.3 J	37 U	42 U	43 UJ
Anthracene	36 U	42 U	36 U	110	7.6 J	41 U	42 U	14 J	36 U	38 U	NA	27 J	37 U	42 U	43 UJ
Benzo(a)anthracene	36 U	42 U	36 U	2400	26 J	41 U	42 U	340	22 J	11 J	NA	800	180	9.2 J	10 J
Benzo(a)pyrene	36 U	42 U	36 U	4500	35 U	41 U	42 U	730	30 J	12 J	NA	1700	130	13 J	12 J
Benzo(b)fluoranthene	17 J	42 U	11 J	6700	28 J	41 U	42 U	1900	55	25 J	NA	2700	600	37 J	23 J
Benzo(g,h,i)perylene	24 J	42 U	26 J	4600	35 U	41 U	42 U	630	55	38 U	NA	2100	190	25 J	22 J
Benzo(k)fluoranthene	36 U	42 U	36 U	2200	12 J	41 U	42 U	500	23 J	22 J	NA	2100	140	32 J	43 UJ
Chrysene	11 J	42 U	19 J	3700	26 J	41 U	42 U	670	32 J	15 J	NA	1600	340	13 J	43 UJ
Dibenz(a,h)anthracene	36 U	42 U	36 U	1800	35 U	41 U	42 U	180	36 U	38 U	NA	880	37 U	42 U	43 UJ
Fluoranthene	36 U	42 U	36 U	2500	54	41 U	42 U	330	26 J	18 J	NA	1000	120	8.8 J	43 UJ
Fluorene	36 U	42 U	36 U	42	35 U	41 U	42 U	6.4 J	36 U	38 U	NA	9.3 J	37 U	42 U	43 UJ
Indeno(1,2,3-cd)pyrene	10 J	42 U	36 U	3400	35 U	41 U	42 U	460	32 J	38 U	NA	2100	140	16 J	14 J
Naphthalene	36 U	42 U	36 U	240	35 U	41 U	42 U	31 J	36 U	38 U	NA	84	9.7 J	42 U	43 UJ
Phenanthrene	36 U	42 U	23 J	810	34 J	41 U	42 U	120	12 J	9.4 J	NA	230	35 J	42 U	43 UJ
Pyrene	8.2 J	42 U	9.3 J	1900	55	41 U	42 U	360	25 J	19 J	NA	880	120	8.6 J	43 UJ
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Soil Sample Analyical Results
Former Siemens Facility
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Station Name	SRE-SB018	SRE-SB019	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022
FieldSampleID	SRE-SB018-014-1	SRE-SB019-000-1	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	720 U	860 U	740 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36 U	42 U	10 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	720 U	860 U	740 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	720 U	860 U	740 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	72 U	86 U	74 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	720 U	860 U	740 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	36 U	42 U	36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	360 U	420 U	360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	720 U	860 U	740 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	180 U	210 U	180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB018	SRE-SB019	SRE-SB019	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB020	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB021	SRE-SB022	SRE-SB022	SRE-SB022	SRE-SB022
FieldSampleID	SRE-SB018-014-1	SRE-SB019-000-1	SRE-SB019-014-1	SRE-SB020-000-1	SRE-SB020-002-1	SRE-SB020-004-1	SRE-SB020-006-1	SRE-SB021-000-1	SRE-SB021-002-1	SRE-SB021-004-1	SRE-SB021-006-1	SRE-SB022-000-1	SRE-SB022-002-1	SRE-SB022-004-1	SRE-SB022-006-1
Sample Date	1/8/2015	1/8/2015	1/8/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	14 - 16 ft	0 - 2 ft	14 - 16 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft	0 - 2 ft	2 - 4 ft	4 - 6 ft	6 - 8 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
1,1,2-Trichloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,1-Dichloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,1-Dichloroethene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
1,2-Dibromo-3-chloropropane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,2-Dichloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,2-Dichloropropane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
1,2,4-Trichlorobenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
1,2-Dichlorobenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
1,3-Dichlorobenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
1,4-Dichlorobenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
2-Hexanone	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
4-Methyl-2-pentanone	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Acetone	5.4 U	6.5 U	6.9	5.1 U	5.4 U	23	11	300 U	4.7	20	12	5.9 U	18	27	19
Benzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Bromodichloromethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Bromoform	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Bromomethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Carbon disulfide	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Carbon tetrachloride	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Chlorobenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Chloroethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Chloroform	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Chloromethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
cis-1,2-Dichloroethene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
cis-1,3-Dichloropropene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Cyclohexane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Dibromochloromethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Dichlorodifluoromethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Ethylbenzene	5.4 U	8.5	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Ethylene dibromide	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Isopropylbenzene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Methyl acetate	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Methyl Ethyl Ketone	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	4.7 J	5.3 U	300 U	4.1 U	4.5 J	4.7 U	5.9 U	3.4 J	5.6	4.0 J
Methyl tert butyl ether	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Methylcyclohexane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Methylene chloride	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	300 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Styrene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Tetrachloroethene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	760	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
Toluene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	35	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
trans-1,2-Dichloroethylene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 UJ	5.9 U	4.6 U	5.5 U	5.5 U
trans-1,3-Dichloropropene	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	60 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Trichloroethene	5.4 U	6.5 U	4.3 U	15	4.6 J	5.8 U	5.3 U	8800	15	7.6 U	4.7 UJ	4.4 J	4.6 U	5.5 U	5.5 U
Trichlorofluoromethane	5.4 U	6.5 U	4.3 U	5.1 U	5.4 U	5.8 U	5.3 U	120 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Vinyl Chloride	5.4 U	6.5 U	3.5 J	5.1 U	5.4 U	5.8 U	5.3 U	15 U	4.1 U	7.6 U	4.7 U	5.9 U	4.6 U	5.5 U	5.5 U
Xylenes, Total	11 U	33	8.7 U	10 U	11 U	12 U	11 U	65	8.3 U	15 U	9.4 UJ	12 U	9.1 U	11 U	11 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB023	SRE-SB024	SRE-SB025	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028
FieldSampleID	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1
Sample Date	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	94	87	92	76	93	94	75	71	91	95	93	74	93	94	88
Total Metals (mg/kg)															
Antimony, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB023	SRE-SB024	SRE-SB025	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028
FieldSampleID	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1
Sample Date	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
PCBs (ug/kg)															
Aroclor 1016	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1221	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1232	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1242	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1248	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1254	NA	NA	NA	NA	30	18 U	22 U	22 U	330	17 U	360 U	440 U	18 U	17 U	19 U
Aroclor 1260	NA	NA	NA	NA	18 U	18 U	22 U	22 U	18 U	17 U	360 U	440 U	18 U	17 U	19 U
PAHs (ug/kg)															
Acenaphthene	23 J	38 U	22 J	20 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	34 U	38 U	9.1 J	16 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	20 J	38 U	24 J	10 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	400	63	820	81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	730	130	1400	89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	1100	200	4200	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	920	220	2100	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	340	53	780	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	620	110	1800	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	190	42	610	26 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	420	65	830	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	9.5 J	38 U	13 J	17 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	630	150	1700	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	50	38 U	120	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	130	22 J	280	98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	540	74	920	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB023	SRE-SB024	SRE-SB025	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028
FieldSampleID	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1
Sample Date	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB023	SRE-SB024	SRE-SB025	SRE-SB025	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB026	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB027	SRE-SB028	SRE-SB028	SRE-SB028
FieldSampleID	SRE-SB023-000-1	SRE-SB024-000-1	SRE-SB025-000-1	SRE-SB025-002-1	SRE-SB026-000-1	SRE-SB026-002-1	SRE-SB026-003-1	SRE-SB026-004-1	SRE-SB027-000-1	SRE-SB027-002-1	SRE-SB027-003-1	SRE-SB027-004-1	SRE-SB028-000-1	SRE-SB028-002-1	SRE-SB028-003-1
Sample Date	3/10/2015	3/10/2015	3/10/2015	3/10/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene dibromide	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethylene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	NA	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031
FieldSampleID	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	10 - 12 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	71	96	84	85	87	91	74	80	81	85	92	78	83	84	84
Total Metals (mg/kg)															
Antimony, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031
FieldSampleID	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	10 - 12 ft
PCBs (ug/kg)															
Aroclor 1016	23 U	86 U	200 U	20 U	19 U	18 U	22 U	21 U	20 U	19 U	170 U	21 U	19 U	19 U	390 U
Aroclor 1221	23 U	86 U	200 U	20 U	19 U	18 U	22 U	21 U	20 U	19 U	170 U	21 U	19 U	19 U	390 U
Aroclor 1232	23 U	86 U	200 U	20 U	19 U	18 U	22 U	21 U	20 U	19 U	170 U	21 U	19 U	19 U	390 U
Aroclor 1242	23 U	86 U	200 U	20 U	19 U	18 U	22 U	21 U	20 U	19 U	170 U	21 U	19 U	19 U	390 U
Aroclor 1248	23 U	86 U	200 U	20 U	19 U	18 U	22 U	21 U	20 U	19 U	170 U	21 U	19 U	19 U	390 U
Aroclor 1254	23 U	870	1500	20 U	19 U	18 U	22 U	21 U	20 U	19 U	860 J	21 U	19 U	19 U	390 U
Aroclor 1260	23 U	810	1200	20 U	19 U	18 U	22 U	21 U	20 U	19 U	1300 J	21 U	19 U	19 U	390 U
PAHs (ug/kg)															
Acenaphthene	NA	34 U	840 J	460	180	340 U	43 U	420	510	41	35 U	200 U	64	170 J	170 J
Acenaphthylene	NA	34 U	1900 U	190 U	180 U	340 U	43 U	77 J	99 J	8.0 J	35 U	200 U	38 U	180 U	43 J
Anthracene	NA	34 U	600 J	250	99 J	340 U	8.8 J	300	160 J	11 J	35 U	200 U	61	150 J	140 J
Benzo(a)anthracene	NA	34 U	7800	330	170 J	23000	500	140 J	54 J	24 J	170	74 J	40	170 J	210
Benzo(a)pyrene	NA	34 U	12000	300	190	*62000*	720	300	260	82	230	120 J	28 J	120 J	180 J
Benzo(b)fluoranthene	NA	34 U	22000	350	240	110000	1400	140 J	140 J	28 J	870	210	29 J	170 J	270
Benzo(g,h,i)perylene	NA	34 U	16000	250	180 U	17000	49	200 U	190 U	39 U	430	620	24 J	140 J	280
Benzo(k)fluoranthene	NA	34 U	7800	230	180	51000	950	120 J	190 U	26 J	350	82 J	16 J	180 U	140 J
Chrysene	NA	34 U	13000	450	250	40000	850	410	350	81	350	140 J	60	260	310
Dibenz(a,h)anthracene	NA	34 U	4500	190 U	180 U	9900	130	200 U	190 U	39 U	140	65 J	38 U	180 U	68 J
Fluoranthene	NA	34 U	5700	210	110 J	3400	470	120 J	79 J	14 J	140	59 J	26 J	100 J	130 J
Fluorene	NA	34 U	820 J	530	220	340 U	43 U	460	410	34 J	35 U	200 U	62	230	190
Indeno(1,2,3-cd)pyrene	NA	34 U	12000	170 J	180 U	24000	390	200 U	190 U	39 U	390	260	12 J	79 J	160 J
Naphthalene	NA	34 U	960 J	670	200	340 U	25 J	200 U	190 U	39 U	35 U	41 J	38 U	140 J	160 J
Phenanthrene	NA	12 J	2600	1400	600	320 J	70	1300	940	82	24 J	200 U	220	540	720
Pyrene	NA	29 J	8000	1100	570	6100	460	900	720	150	110	78 J	180	590	570
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031
FieldSampleID	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	10 - 12 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Batavia, Illinois

Station Name	SRE-SB028	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB029	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB030	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031	SRE-SB031
FieldSampleID	SRE-SB028-004-1	SRE-SB029-000-1	SRE-SB029-004-1	SRE-SB029-008-1	SRE-SB029-010-1	SRE-SB030-000-1	SRE-SB030-004-1	SRE-SB030-008-1	SRE-SB030-008-2	SRE-SB030-010-1	SRE-SB031-000-1	SRE-SB031-004-1	SRE-SB031-008-1	SRE-SB031-010-1	SRE-SB031-010-2
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Interval (fg bgs)	4 - 5 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 10 ft	10 - 12 ft	10 - 12 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,1,2,2-Tetrachloroethane	NA	5.4 U	5.0 U	140 U	4.6 U	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
1,1,2-Trichloroethane	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,1-Dichloroethane	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,1-Dichloroethene	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,2-Dibromo-3-chloropropane	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
1,2-Dichloroethane	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,2-Dichloropropane	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
1,2,4-Trichlorobenzene	NA	5.4 UJ	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
1,2-Dichlorobenzene	NA	5.4 UJ	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
1,3-Dichlorobenzene	NA	5.4 UJ	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
1,4-Dichlorobenzene	NA	5.4 UJ	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
2-Hexanone	NA	3.0 J	5.0 U	700 U	4.6 U	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U	280 U	680 U	670 U
4-Methyl-2-pentanone	NA	5.4 U	5.0 U	700 U	4.6 U	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U	280 U	680 U	670 U
Acetone	NA	28	14	700 U	6.1 J	7.5	360 U	580 U	340 U	16	10	28	280 U	680 U	670 U
Benzene	NA	5.4 UJ	5.0 U	35 U	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U	14 U	34 U	34 U
Bromodichloromethane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Bromoform	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Bromomethane	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Carbon disulfide	NA	5.4 U	5.0 U	700 U	4.6 UJ	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U	280 U	680 U	670 U
Carbon tetrachloride	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Chlorobenzene	NA	5.4 UJ	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Chloroethane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Chloroform	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Chloromethane	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
cis-1,2-Dichloroethene	NA	5.4 U	5.0 U	140 U	66 J	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
cis-1,3-Dichloropropene	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Cyclohexane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Dibromochloromethane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Dichlorodifluoromethane	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Ethylbenzene	NA	5.4 UJ	5.0 U	35 U	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U	14 U	34 U	28 J
Ethylene dibromide	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Isopropylbenzene	NA	5.4 UJ	5.0 U	200 J	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	93 J
Methyl acetate	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	120 J	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Methyl Ethyl Ketone	NA	4.4 J	5.0 U	700 U	4.6 U	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	7.1	280 U	680 U	670 U
Methyl tert butyl ether	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Methylcyclohexane	NA	5.4 U	5.0 U	280 U	4.6 UJ	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Methylene chloride	NA	5.4 U	5.0 U	700 U	4.6 UJ	5.6 U	360 U	580 U	340 U	4.7 U	5.6 U	5.1 U	280 U	680 U	670 U
Styrene	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Tetrachloroethene	NA	5.4 U	5.0 U	140 U	4.6 UJ	7	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Toluene	NA	5.4 UJ	5.0 U	35 U	4.6 UJ	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U	14 U	34 U	34 U
trans-1,2-Dichloroethylene	NA	5.4 U	5.0 U	140 U	6.7 J	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
trans-1,3-Dichloropropene	NA	5.4 U	5.0 U	140 U	4.6 UJ	5.6 U	73 U	120 U	69 U	4.7 U	5.6 U	5.1 U	55 U	140 U	130 U
Trichloroethene	NA	5.4 U	4.8 J	70 U	8.5 J	6.9	36 U	58 U	34 U	4.7 U	5.6 U	5.1 U	28 U	260 J	150 J
Trichlorofluoromethane	NA	5.4 U	5.0 U	280 U	4.6 U	5.6 U	150 U	230 U	140 U	4.7 U	5.6 U	5.1 U	110 U	270 U	270 U
Vinyl Chloride	NA	5.4 U	5.0 U	35 U	84 J	5.6 U	18 U	29 U	17 U	4.7 U	5.6 U	5.1 U	14 U	34 U	34 U
Xylenes, Total	NA	2.8 J	10 U	70 U	9.3 UJ	11 U	36 U	58 U	34 U	9.4 U	11 U	10 U	28 U	47 J	210
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	380	110 J	NA	NA	870 J	700 J	140	NA	NA	190	460	500 J
Gasoline Range Organics (C6-C9)	NA	NA	NA	40	2.7	NA	NA	17 J	8.3 J	1.4	NA	NA	2.3	30	35
MRO (C20-C34)	NA	NA	NA	300	110	NA	NA	680 J	570 J	150	NA	NA	190	530	580 J
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB035
FieldSampleID	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1	SRE-SB034-010-1	SRE-SB035-000-1
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	4/10/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	95	94	77	68	72	90	78	80	79	88	95	74	82	86	93
Total Metals (mg/kg)															
Antimony, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB035
FieldSampleID	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1	SRE-SB034-010-1	SRE-SB035-000-1
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	4/10/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft
PCBs (ug/kg)															
Aroclor 1016	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	17 U	22 U	NA	NA	NA
Aroclor 1221	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	17 U	22 U	NA	NA	NA
Aroclor 1232	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	17 U	22 U	NA	NA	NA
Aroclor 1242	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	17 U	22 U	NA	NA	NA
Aroclor 1248	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	17 U	22 U	NA	NA	NA
Aroclor 1254	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	160	22 U	NA	NA	NA
Aroclor 1260	17 U	17 U	21 U	NA	NA	NA	NA	NA	NA	NA	190	22 U	NA	NA	NA
PAHs (ug/kg)															
Acenaphthene	NA	NA	42 U	230 U	120	35 U	41 U	40 U	1100	13 J	NA	NA	NA	NA	20 J
Acenaphthylene	NA	NA	42 U	230 U	32 J	35 U	41 U	40 U	260	37 U	NA	NA	NA	NA	35 U
Anthracene	NA	NA	42 U	2000	46	21 J	9.9 J	13 J	940	37 U	NA	NA	NA	NA	14 J
Benzo(a)anthracene	NA	NA	42 U	1100	20 J	1200	370	520	680	53	NA	NA	NA	NA	470
Benzo(a)pyrene	NA	NA	42 U	710	14 J	1700	450	630	520	56	NA	NA	NA	NA	980
Benzo(b)fluoranthene	NA	NA	27 J	1700	17 J	5600	1300	1800	510	140	NA	NA	NA	NA	2200
Benzo(g,h,i)perylene	NA	NA	30 J	750	45 U	2500 J	770 J	1300 J	400	88	NA	NA	NA	NA	1300
Benzo(k)fluoranthene	NA	NA	42 U	450	45 U	1500 J	440	510	210	48	NA	NA	NA	NA	1000 J
Chrysene	NA	NA	24 J	2600	38 J	2500	640	940	1100	110	NA	NA	NA	NA	1000
Dibenz(a,h)anthracene	NA	NA	42 U	200 J	45 U	850	210 J	360 J	210 U	23 J	NA	NA	NA	NA	410
Fluoranthene	NA	NA	42 U	230 U	27 J	1100 J	310	420	450	38	NA	NA	NA	NA	490
Fluorene	NA	NA	42 U	2300	150	8.4 J	7.6 J	16 J	1100	11 J	NA	NA	NA	NA	11 J
Indeno(1,2,3-cd)pyrene	NA	NA	16 J	460	45 U	2200 J	570 J	980 J	230	59	NA	NA	NA	NA	1000
Naphthalene	NA	NA	42 U	2300	640	25 J	22 J	26 J	210 U	37 U	NA	NA	NA	NA	60
Phenanthrene	NA	NA	8.2 J	10000	410	190	77	110	4700	55	NA	NA	NA	NA	160
Pyrene	NA	NA	29 J	7300	140	1200	390	480	5700	130	NA	NA	NA	NA	550
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB035
FieldSampleID	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1	SRE-SB034-010-1	SRE-SB035-000-1
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	4/10/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB032	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB033	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB034	SRE-SB035
FieldSampleID	SRE-SB032-000-1	SRE-SB032-000-2	SRE-SB032-004-1	SRE-SB032-008-1	SRE-SB032-010-1	SRE-SB033-000-1	SRE-SB033-004-1	SRE-SB033-004-2	SRE-SB033-008-1	SRE-SB033-010-1	SRE-SB034-000-1	SRE-SB034-004-1	SRE-SB034-008-1	SRE-SB034-010-1	SRE-SB035-000-1
Sample Date	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	4/10/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft	4 - 6 ft	8 - 12 ft	10 - 12 ft	0 - 2 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,1,2,2-Tetrachloroethane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
1,1,2-Trichloroethane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,1-Dichloroethane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,1-Dichloroethene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,2-Dibromo-3-chloropropane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
1,2-Dichloroethane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,2-Dichloropropane	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
1,2,4-Trichlorobenzene	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
1,2-Dichlorobenzene	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	39 J	5.1 U
1,3-Dichlorobenzene	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
1,4-Dichlorobenzene	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
2-Hexanone	NA	NA	NA	450 U	420 U	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U	240 U	5.1 U
4-Methyl-2-pentanone	NA	NA	NA	450 U	420 U	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U	240 U	5.1 U
Acetone	NA	NA	NA	450 U	420 U	NA	48	52	310 U	7.2	NA	NA	340 U	240 U	5.4
Benzene	NA	NA	NA	23 U	21 U	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U	12 U	5.1 U
Bromodichloromethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Bromoform	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Bromomethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Carbon disulfide	NA	NA	NA	450 U	420 U	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U	240 U	5.1 U
Carbon tetrachloride	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Chlorobenzene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Chloroethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Chloroform	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Chloromethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
cis-1,2-Dichloroethene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	11	NA	NA	67 U	48 U	5.1 U
cis-1,3-Dichloropropene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Cyclohexane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Dibromochloromethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Dichlorodifluoromethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Ethylbenzene	NA	NA	NA	23 U	21 U	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U	12 U	5.1 U
Ethylene dibromide	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Isopropylbenzene	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	18 J	5.1 U
Methyl acetate	NA	NA	NA	180 U	150 J	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Methyl Ethyl Ketone	NA	NA	NA	450 U	420 U	NA	13	12	310 U	5.5 U	NA	NA	340 U	240 U	5.1 U
Methyl tert butyl ether	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Methylcyclohexane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Methylene chloride	NA	NA	NA	450 U	420 U	NA	7.3 U	7.1 U	310 U	5.5 U	NA	NA	340 U	240 U	5.1 U
Styrene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Tetrachloroethene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Toluene	NA	NA	NA	23 U	21 U	NA	7.3 U	7.1 U	15 U	5.5 U	NA	NA	17 U	12 U	5.1 U
trans-1,2-Dichloroethylene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
trans-1,3-Dichloropropene	NA	NA	NA	90 U	84 U	NA	7.3 U	7.1 U	61 U	5.5 U	NA	NA	67 U	48 U	5.1 U
Trichloroethene	NA	NA	NA	45 U	42 U	NA	7.3 U	7.1 U	31 U	5.5 U	NA	NA	34 U	24 U	5.1 U
Trichlorofluoromethane	NA	NA	NA	180 U	170 U	NA	7.3 U	7.1 U	120 U	5.5 U	NA	NA	130 U	96 U	5.1 U
Vinyl Chloride	NA	NA	NA	23 U	21 U	NA	7.3 U	7.1 U	15 U	4.4 J	NA	NA	17 U	12 U	5.1 U
Xylenes, Total	NA	NA	NA	45 U	42 U	NA	15 U	14 U	31 U	11 U	NA	NA	20 J	24	10 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048	SRE-SB049
FieldSampleID	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1	SRE-SB049-000-1
Sample Date	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	93	95	92	92	91	89	92	93	92	80	94	91	94	94	95
Total Metals (mg/kg)															
Antimony, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048	SRE-SB049
FieldSampleID	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1	SRE-SB049-000-1
Sample Date	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
PCBs (ug/kg)															
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)															
Acenaphthene	21 J	7.1 J	35 U	36 U	350 U	180 U	170 U	170 U	57 J	39 U	33 U	180 U	170 U	170 U	33 U
Acenaphthylene	35 U	6.6 J	35 U	36 U	350 U	180 U	170 U	170 U	280	39 U	33 U	180 U	170 U	170 U	33 U
Anthracene	26 J	13 J	35 U	11 J	210 J	180 U	52 J	85 J	140 J	39 U	33 U	32 J	170 U	130 J	33 U
Benzo(a)anthracene	640	340	140	470	14000	2800	2600	2900	1800	27 J	33 U	2100	12000	8100	11 J
Benzo(a)pyrene	1100	520	260	1000	*23000*	4100	4200	4300	3500	39 U	33 U	3100	*31000*	10000	33 U
Benzo(b)fluoranthene	3000	1500	580	2500	43000	14000	12000	11000	5600	100	33 U	7800	82000	54000	27 J
Benzo(g,h,i)perylene	1900	850	350 J	1800	26000	6000	7500	6200	2600 J	39 J	33 UJ	4300 J	7200 J	11000 J	33 UJ
Benzo(k)fluoranthene	1900 J	400	200	640	30000	7400	4400	4600	2600	39 U	33 U	2800	25000	11000	33 U
Chrysene	1300	740	250	1100	24000	6300	5000	5600	2700	41	33 U	3900	50000	30000	20 J
Dibenz(a,h)anthracene	370	220	52	320	8200	2000	2400	1900	590	39 U	33 U	1300	2700	3200	33 U
Fluoranthene	720	330	120	450	11000	2200	2000	2700	2400	62	33 U	1900	2600	6500	33 U
Fluorene	9.7 J	33 U	35 U	36 U	350 U	180 U	170 U	170 U	86 J	39 U	33 U	180 U	170 U	42 J	33 U
Indeno(1,2,3-cd)pyrene	1400	600	210	1200	20000	5000	6200	5200	2100	39 U	33 U	3700	6300	9900	33 U
Naphthalene	75	35	16 J	19 J	150 J	32 J	59 J	38 J	99 J	39 U	33 U	180 U	170 U	76 J	33 U
Phenanthrene	220	110	42	94	1100	290	400	410	830	19 J	33 U	210	130 J	1000	13 J
Pyrene	680	300	150	460	11000	2100	1900	2600	4700	79	33 U	1900	5600	13000	17 J
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
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Batavia, Illinois

Station Name	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048	SRE-SB049
FieldSampleID	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1	SRE-SB049-000-1
Sample Date	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Batavia, Illinois

Station Name	SRE-SB035	SRE-SB036	SRE-SB037	SRE-SB038	SRE-SB039	SRE-SB040	SRE-SB041	SRE-SB042	SRE-SB043	SRE-SB044	SRE-SB045	SRE-SB046	SRE-SB047	SRE-SB048	SRE-SB049
FieldSampleID	SRE-SB035-000-2	SRE-SB036-000-1	SRE-SB037-000-1	SRE-SB038-000-1	SRE-SB039-000-1	SRE-SB040-000-1	SRE-SB041-000-1	SRE-SB042-000-1	SRE-SB043-000-1	SRE-SB044-000-1	SRE-SB045-000-1	SRE-SB046-000-1	SRE-SB047-000-1	SRE-SB048-000-1	SRE-SB049-000-1
Sample Date	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Acetone	16	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Benzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Ethylene dibromide	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	5.8 U	4.2 U	6.2 U	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Styrene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5.8 U	4.2 U	6.2 UJ	6.9 U	3.3 J	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Toluene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethylene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5.8 U	4.2 U	6.2 UJ	6.9 U	1.6 J	6.9	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	5.8 U	4.2 U	6.2 UJ	6.9 U	4.2 U	4.9 U	4.6 U	4.1 U	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	12 U	8.3 U	12 UJ	14 U	8.5 U	9.9 U	9.3 U	8.3 U	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
FieldSampleID	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
Parameter															
General Chemistry															
Laboratory pH (s.u)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)	95	94	94	94	92	84	94	80	94	87	82	86	79	79	78
Total Metals (mg/kg)															
Antimony, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (mg/kg)															
Total Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)															
Arsenic, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (ug/kg)															
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tech-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Batavia, Illinois

Station Name	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
FieldSampleID	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
PCBs (ug/kg)															
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/kg)															
Acenaphthene	33 U	34 U	21 J	16 J	35 U	39 U	34 U	20 J	33 U	16 J	14 J	1000 J	520 J	250 J	320
Acenaphthylene	33 U	34 U	13 J	6.4 J	35 U	39 U	34 U	41 U	33 U	37 U	40 U	37 U	190 J	210 U	200 U
Anthracene	33 U	11 J	49	51	35 U	39 U	34 U	130	33 U	29 J	44	1600 J	490 J	210 U	200 U
Benzo(a)anthracene	9.8 J	700	1700	1700	150	16 J	34 U	940	18 J	1500	1600	7800	210	240 J	290
Benzo(a)pyrene	11 J	390	2100	2200	210	29 J	34 U	780	20 J	3300	3100	10000	130 J	230 J	280
Benzo(b)fluoranthene	27 J	4100	6300	6300	450	64	34 U	1200	45 J	10000	6900	22000	200 U	260 J	410
Benzo(g,h,i)perylene	32 J	330 J	4100	4100	260	47	34 UJ	420	33 U	1500 J	3200 J	3800 J	200 UJ	98 J	120 J
Benzo(k)fluoranthene	33 U	1200	2200	2300	160	24 J	34 U	540	19 J	2800	2100	8200	200 U	210 U	110 J
Chrysene	9.4 J	3700	4000	3900	260	32 J	34 U	970	31 J	3500	2800	9700	320	380 J	480
Dibenz(a,h)anthracene	33 U	150	890	920	77	14 J	34 U	130	33 U	530	1100	1100 J	200 U	210 U	40 J
Fluoranthene	11 J	900	1400	1400	120	23 J	34 U	1400	34 J	1100	1500	13000	160 J	180 J	200
Fluorene	33 U	5.1 J	17 J	15 J	35 U	39 U	34 U	24 J	33 U	9.0 J	11 J	910 J	750 J	280 J	200 U
Indeno(1,2,3-cd)pyrene	33 U	280	2300	2400	240	36 J	34 U	400	9.7 J	1600	3200	5200	200 U	210 U	110 J
Naphthalene	33 U	34 U	51	68	35 U	39 U	34 U	41 U	82 J	55	30 J	620 J	66 J	210 U	200 U
Phenanthrene	33 U	130	330	360	28 J	7.7 J	34 U	300	64 J	240	310	12000	3200 J	210 U	200 U
Pyrene	10 J	910	1300	1200	110	22 J	34 U	1200	40 J	1500	2100	20000	1400 J	1400 J	1300
TCLP PAHs (ug/l)															
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.15 U	0.14 U	0.15 U	0.14 U	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.23 U	0.22 U	0.23 U	0.21 U	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.19 U	0.21 U	0.19 U	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.19 U	0.18 U	0.2 U	0.18 U	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.57 U	0.54 U	0.58 U	0.52 U	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.34 U	0.32 U	0.35 U	0.31 U	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	0.23 U	0.22 U	0.23 U	0.21 U	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.0 U	NA	NA	NA

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Soil Sample Analyical Results
Former Siemens Facility
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Station Name	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
FieldSampleID	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
SVOCs (ug/kg)															
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-N-Octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-N-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB050	SRE-SB051	SRE-SB053	SRE-SB053	SRE-SB054	SRE-SB055	SRE-SB056	SRE-SB057	SRE-SB101	SRE-SB102	SRE-SB103	SRE-SB104	SRE-SB109B	SRE-SB110C	SRE-SB111B
FieldSampleID	SRE-SB050-000-1	SRE-SB051-000-1	SRE-SB053-000-1	SRE-SB053-000-1-D	SRE-SB054-000-1	SRE-SB055-000-1	SRE-SB056-000-1	SRE-SB057-000-1	SRE-SB101-000-1	SRE-SB102-001-1	SRE-SB103-001-1	SRE-SB104-001-1	SRE-SB109B-006-1	SRE-SB110C-007-1	SRE-SB111B-006-1
Sample Date	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	5/13/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	10/6/2015	10/6/2015	10/6/2015
Sample Interval (fg bgs)	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 1 ft	1 - 3 ft	1 - 2 ft	1 - 3 ft	6 - 7.5 ft	7 - 9 ft	6 - 8 ft
VOCs (ug/kg)															
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
Ethylene dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	5.3 U	4.9 U
trans-1,2-Dichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.7 U	11 U	9.8 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC (%)															
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Flashpoint (Deg F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Organic Halogens (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
Sample Interval (fg bgs)	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
Parameter						
General Chemistry						
Laboratory pH (s.u)	NA	8.25	7.98	7.47	8.86	8.55
Percent Solids (%)	80	88	91	74	85	92
Total Metals (mg/kg)						
Antimony, Total	NA	0.58 J	NA	1.3 U	0.87 J	0.31 J
Arsenic, Total	NA	2.2	NA	3.3	2.7	3
Barium, Total	NA	25	NA	120	23	15
Beryllium, Total	NA	0.14 J	NA	0.62	0.18 J	0.16 J
Cadmium, Total	NA	0.23	NA	0.15	0.22	0.14
Calcium, Total	NA	6600	NA	4500	3800	72000
Chromium, Total	NA	11	NA	16	9.1	4.8
Cobalt, Total	NA	12	NA	8.2	1.5	3
Copper, Total	NA	21 J	NA	15	13	7
Iron, Total	NA	13000 J	NA	13000	10000	6400
Lead, Total	NA	26	NA	15	13	4.9
Magnesium, Total	NA	6600	NA	3000	1600	33000
Manganese, Total	NA	260 J	NA	370	170	210
Nickel, Total	NA	51 J	NA	16	26	7.2
Potassium, Total	NA	380 J	NA	1200	350	580
Selenium, Total	NA	0.57 U	NA	0.72	0.61	0.5 U
Silver, Total	NA	0.28 U	NA	0.33 U	0.29 U	0.25 U
Sodium, Total	NA	120	NA	100	86	110
Thallium, Total	NA	0.59	NA	0.67 U	0.57 U	0.5 U
Vanadium, Total	NA	5.6	NA	26	4.5	9.5
Zinc, Total	NA	28	NA	61	32	38
Mercury, Total	NA	0.053	NA	0.037	0.028	0.016 U
Cyanide (mg/kg)						
Total Cyanide	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/l)						
Arsenic, TCLP	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U
Barium, TCLP	NA	0.17 J	NA	0.48 J	0.11 J	0.22 J
Cadmium, TCLP	NA	0.0032 J	NA	0.005 U	0.005 U	0.005 U
Chromium, TCLP	NA	0.025 U	NA	0.025 U	0.025 U	0.025 U
Lead, TCLP	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U
Selenium, TCLP	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U
Silver, TCLP	NA	0.025 U	NA	0.025 U	0.025 U	0.025 U
Mercury, TCLP	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U
Pesticides/Herbicides (ug/kg)						
4,4'-DDD	NA	19 U	NA	3	19 U	18 U
4,4'-DDE	NA	6.4 J	NA	43	19 U	18 U
4,4'-DDT	NA	19 U	NA	2.2 U	19 U	18 U
Aldrin	NA	19 U	NA	2.2 U	19 U	18 U
Alpha-BHC	NA	19 U	NA	2.2 U	19 U	18 U
Alpha-chlordane	NA	19 U	NA	2.2 U	19 U	18 U
Beta-BHC	NA	19 U	NA	2.2 U	19 U	18 U
Delta-BHC	NA	19 U	NA	2.2 U	19 U	18 U
Dieldrin	NA	19 U	NA	2.2 U	19 U	18 U
Endosulfan I	NA	19 U	NA	2.2 U	19 U	18 U
Endosulfan II	NA	19 U	NA	2.2 U	19 U	18 U
Endosulfan Sulfate	NA	19 U	NA	2.2 U	19 U	18 U
Endrin	NA	19 U	NA	2.2 U	19 U	18 U
Endrin Aldehyde	NA	19 U	NA	2.2 U	19 U	18 U
Endrin Ketone	NA	19 U	NA	2.2 U	19 U	18 U
Gamma-BHC	NA	19 U	NA	2.2 U	19 U	18 U
Gamma-Chlordane	NA	19 U	NA	2.2 U	19 U	18 U
Heptachlor	NA	19 U	NA	2.2 U	19 U	18 U
Heptachlor Epoxide	NA	19 U	NA	2.2 U	19 U	18 U
Methoxychlor	NA	92 U	NA	11 U	94 U	86 U
Tech-Chlordane	NA	74 U	NA	8.8 U	76 U	69 U
Toxaphene	NA	180 U	NA	22 U	190 U	170 U
2,4,5-T	NA	370 U	NA	440 U	380 U	360 U
2,4,5-TP	NA	370 U	NA	440 U	380 U	360 U
2,4-D	NA	370 U	NA	440 U	380 U	360 U
2,4-DB	NA	370 U	NA	440 U	380 U	360 U
Dicamba	NA	370 U	NA	440 U	380 U	360 U
Dichloropropane	NA	370 U	NA	440 U	380 U	360 U

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
Sample Interval (fg bgs)	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
PCBs (ug/kg)						
Aroclor 1016	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1221	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1232	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1242	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1248	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1254	NA	18 U	NA	22 U	19 U	17 U
Aroclor 1260	NA	18 U	NA	22 U	19 U	23
PAHs (ug/kg)						
Acenaphthene	200	150 J	150 J	43 U	85 J	34 U
Acenaphthylene	190 U	180 U	180 U	43 U	190 U	34 U
Anthracene	190 U	510	480	43 U	510	34 U
Benzo(a)anthracene	180 J	9100	7400	43 U	11000	84
Benzo(a)pyrene	110 J	8300	12000	43 U	12000	110
Benzo(b)fluoranthene	62 J	14000	22000	11 J	38000	260
Benzo(g,h,i)perylene	190 U	9000	12000	43 U	21000	140
Benzo(k)fluoranthene	190 U	6100	8400	43 U	4400	87
Chrysene	270	14000	9200	43 U	20000	110
Dibenz(a,h)anthracene	190 U	2700	4400	43 U	5800	49
Fluoranthene	110 J	12000	7100	43 U	10000	67
Fluorene	140 J	140 J	140 J	43 U	56 J	34 U
Indeno(1,2,3-cd)pyrene	190 U	8100	10000	43 U	19000	140
Naphthalene	190 U	110 J	170 J	43 U	140 J	34 U
Phenanthrene	190 U	3100	2400	43 U	3100	24 J
Pyrene	980	7900	5600	43 U	12000	69
TCLP PAHs (ug/l)						
Acenaphthene, TCLP	NA	NA	NA	NA	NA	NA
Acenaphthylene, TCLP	NA	NA	NA	NA	NA	NA
Anthracene, TCLP	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene, TCLP	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene, TCLP	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene, TCLP	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene, TCLP	NA	NA	NA	NA	NA	NA
Chrysene, TCLP	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene, TCLP	NA	NA	NA	NA	NA	NA
Fluoranthene, TCLP	NA	NA	NA	NA	NA	NA
Fluorene, TCLP	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene, TCLP	NA	NA	NA	NA	NA	NA
Naphthalene, SVOC, TCLP	NA	NA	NA	NA	NA	NA
Phenanthrene, TCLP	NA	NA	NA	NA	NA	NA
Pyrene, TCLP	NA	NA	NA	NA	NA	NA

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
Sample Interval (fg bgs)	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
SVOCs (ug/kg)						
1,2,4-Trichlorobenzene	NA	930 U	NA	220 U	970 U	170 U
1,2-Dichlorobenzene	NA	930 U	NA	220 U	970 U	170 U
1,3-Dichlorobenzene	NA	930 U	NA	220 U	970 U	170 U
1,4-Dichlorobenzene	NA	930 U	NA	220 U	970 U	170 U
2,4,5-Trichlorophenol	NA	1800 U	NA	430 U	1900 U	340 U
2,4,6-Trichlorophenol	NA	1800 U	NA	430 U	1900 U	340 U
2,4-Dichlorophenol	NA	1800 U	NA	430 U	1900 U	340 U
2,4-Dimethylphenol	NA	1800 U	NA	430 U	1900 U	340 U
2,4-Dinitrophenol	NA	3800 R	NA	870 U	3900 R	690 U
2,4-Dinitrotoluene	NA	930 U	NA	220 U	970 U	170 U
2,6-Dinitrotoluene	NA	930 U	NA	220 U	970 U	170 U
2-Chloronaphthalene	NA	930 U	NA	220 U	970 U	170 U
2-Chlorophenol	NA	930 U	NA	220 U	970 U	170 U
2-Methylnaphthalene	NA	43 J	NA	43 U	71 J	34 U
2-Methylphenol	NA	930 U	NA	220 U	970 U	170 U
2-Nitroaniline	NA	930 U	NA	220 U	970 U	170 U
2-Nitrophenol	NA	1800 U	NA	430 U	1900 U	340 U
3,3'-Dichlorobenzidine	NA	930 U	NA	220 U	970 U	170 U
3,4-Methylphenol	NA	930 U	NA	220 U	970 U	170 U
3-Nitroaniline	NA	1800 U	NA	430 U	1900 U	340 U
4,6-Dinitro-2-methylphenol	NA	1800 R	NA	430 U	1900 U	340 U
4-Bromophenyl-phenylether	NA	930 U	NA	220 U	970 U	170 U
4-Chloroaniline	NA	3800 U	NA	870 U	3900 U	690 U
4-Chlorophenyl-phenylether	NA	930 U	NA	220 U	970 U	170 U
4-Nitroaniline	NA	1800 U	NA	430 U	1900 U	340 U
4-Nitrophenol	NA	3800 U	NA	870 U	3900 U	690 U
bis(2-Chloroethoxy)methane	NA	930 U	NA	220 U	970 U	170 U
bis(2-Chloroethyl)ether	NA	930 U	NA	220 U	970 U	170 U
bis(2-Chloroisopropyl)ether	NA	930 U	NA	220 U	970 U	170 U
bis(2-Ethylhexyl)phthalate	NA	930 U	NA	220 U	970 U	76 J
Butyl benzyl phthalate	NA	930 U	NA	220 U	970 U	170 U
Carbazole	NA	930 U	NA	220 U	970 U	170 U
Dibenzofuran	NA	930 U	NA	220 U	970 U	170 U
Diethyl phthalate	NA	930 U	NA	220 U	970 U	170 U
Dimethyl phthalate	NA	930 U	NA	220 U	970 U	170 U
Di-N-Butyl phthalate	NA	930 U	NA	220 U	970 U	170 U
Di-N-Octyl phthalate	NA	930 U	NA	220 U	970 U	170 U
Hexachlorobenzene	NA	380 U	NA	87 U	390 U	69 U
Hexachlorobutadiene	NA	930 U	NA	220 U	970 U	170 U
Hexachlorocyclopentadiene	NA	3800 U	NA	870 R	3900 U	690 R
Hexachloroethane	NA	930 U	NA	220 U	970 U	170 U
Isophorone	NA	930 U	NA	220 U	970 U	170 U
Nitrobenzene	NA	180 U	NA	43 U	190 U	34 U
N-Nitroso-di-N-propylamine	NA	930 U	NA	220 U	970 U	170 U
N-Nitrosodiphenylamine	NA	930 U	NA	220 U	970 U	170 U
p-Chloro-m-cresol	NA	1800 U	NA	430 U	1900 U	340 U
Pentachlorophenol	NA	3800 U	NA	870 R	3900 U	690 R
Phenol	NA	930 U	NA	220 U	970 U	170 U

Table H-1
Soil Sample Analyical Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB112A	SM-BLKSND	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
FieldSampleID	SRE-SB112A-007-1	SM-BLKSND-1	SRE-BLKSAND-TP 1/2/5	SRE-BLKSOIL-TP 3/4	SRE-BLKSAND-TP10/11	SRE-LTBRNSAND-1
Sample Date	10/6/2015	4/22/2015	5/11/2015	5/11/2015	5/15/2015	5/11/2015
Sample Interval (fg bgs)	7 - 8 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft	0 - 0 ft
VOCs (ug/kg)						
1,1,1-Trichloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,1,2,2-Tetrachloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,1,2-Trichloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,1-Dichloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,1-Dichloroethene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,2-Dibromo-3-chloropropane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,2-Dichloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,2-Dichloropropane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,2,4-Trichlorobenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,2-Dichlorobenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,3-Dichlorobenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
1,4-Dichlorobenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
2-Hexanone	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
4-Methyl-2-pentanone	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Acetone	NA	6.6	NA	14	5.1 U	21
Benzene	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
Bromodichloromethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Bromoform	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Bromomethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Carbon disulfide	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Carbon tetrachloride	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Chlorobenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Chloroethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Chloroform	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Chloromethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
cis-1,2-Dichloroethene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
cis-1,3-Dichloropropene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Cyclohexane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Dibromochloromethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Dichlorodifluoromethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Ethylbenzene	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
Ethylene dibromide	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Isopropylbenzene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methyl acetate	NA	26 U	NA	29 U	26 U	24 U
Methyl Ethyl Ketone	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methyl tert butyl ether	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methylcyclohexane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Methylene chloride	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Styrene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Tetrachloroethene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Toluene	6.0 U	5.2 U	NA	5.7 U	5.1 U	4.9 U
trans-1,2-Dichloroethylene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
trans-1,3-Dichloropropene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Trichloroethene	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Trichlorofluoromethane	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Vinyl Chloride	NA	5.2 U	NA	5.7 U	5.1 U	4.9 U
Xylenes, Total	12 U	10 U	NA	11 U	10 U	9.8 U
Total Petroleum Hydrocarbons (mg/kg)						
Diesel Range Organics (C10-C20)	NA	NA	NA	NA	NA	NA
Gasoline Range Organics (C6-C9)	NA	NA	NA	NA	NA	NA
MRO (C20-C34)	NA	NA	NA	NA	NA	NA
FOC (%)						
FOC by Nelson and Sommers (0.58 factor) (%)	NA	NA	NA	NA	NA	NA
Moisture Content (%)	NA	NA	NA	NA	NA	NA
Organic Matter at 440 Deg C (%)	NA	NA	NA	NA	NA	NA
Other						
Flashpoint (Deg F)	NA	176 >	NA	176 >	176 >	176 >
Reactive Cyanide (mg/kg)	NA	0.5 U	NA	0.48 U	0.49 U	0.48 U
Reactive Sulfide (mg/kg)	NA	49 UJ	NA	50 U	47 UJ	49 U
Extractable Organic Halogens (mg/kg)	NA	230 U	NA	270 U	230 U	220 U
Paint Filter (mL/100g)	NA	NA	NA	NA	NA	NA

Notes:
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
NA - Not Analyzed

Table H-2
Groundwater Analytical Results
Perched Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW02-XXX-01-1	SRE-MW02-XXX-01-2	SRE-MW03-XXX-01-1
Sample Date	7/24/2015	7/24/2015	7/23/2015
Location ID	SRE-MW02	SRE-MW02	SRE-MW03
Screen Depth (ft bgs)	2.5 - 17.5	2.5 - 17.5	2.5 - 12.5
Parameter			
Total Metals (mg/l)			
Aluminum, Total	0.1 U	0.1 U	1.1
Antimony, Total	0.003 U	0.003 U	0.003 U
Arsenic, Total	0.022	0.022	0.00066 J
Barium, Total	0.12	0.12	0.11
Beryllium, Total	0.001 U	0.001 U	0.001 U
Cadmium, Total	0.0005 U	0.0005 U	0.0005 U
Calcium, Total	71	71	84
Chromium, Total	0.005 U	0.005 U	0.0011 J
Cobalt, Total	0.0022	0.0021	0.00042 J
Copper, Total	0.002 U	0.002 U	0.0021
Iron, Total	2	2	1.2
Lead, Total	0.00018 J	0.00016 J	0.00058
Magnesium, Total	43	44	32
Manganese, Total	0.89	0.87	0.017
Mercury, Total	0.0002 U	0.0002 U	0.0002 U
Nickel, Total	0.029	0.029	0.0016 J
Potassium, Total	1.7	1.7	1.7
Selenium, Total	0.0025 U	0.0025 U	0.0025 U
Silver, Total	0.0005 U	0.0005 U	0.0005 U
Sodium, Total	170	160	15
Thallium, Total	0.002 U	0.002 U	0.002 U
Vanadium, Total	0.005 U	0.005 U	0.005 U
Zinc, Total	0.0069 J	0.0073 J	0.01 J
Dissolved Metals (mg/l)			
Aluminum, Dissolved	0.1 U	0.1 U	0.1 U
Antimony, Dissolved	0.003 U	0.003 U	0.003 U
Arsenic, Dissolved	0.022	0.022	0.001 U
Barium, Dissolved	0.12	0.12	0.1
Beryllium, Dissolved	0.00024 J	0.001 U	0.001 U
Cadmium, Dissolved	0.0005 U	0.0005 U	0.0005 U
Calcium, Dissolved	71	72	81
Chromium, Dissolved	0.005 U	0.005 U	0.005 U
Cobalt, Dissolved	0.0021	0.0022	0.001 U
Copper, Dissolved	0.002 UJ	0.0045 J	0.00098 J
Iron, Dissolved	1.7	1.7	0.1 U
Lead, Dissolved	0.00015 J	0.0002 J	0.0005 U
Magnesium, Dissolved	44	45	30
Manganese, Dissolved	0.89	0.91	0.0041
Mercury, Dissolved (ug/l)	0.2 U	0.2 U	0.2 U
Nickel, Dissolved	0.029	0.03	0.0006 J
Potassium, Dissolved	1.7	1.7	1.2
Selenium, Dissolved	0.0025 U	0.0025 U	0.0025 U
Silver, Dissolved	0.0005 U	0.0005 U	0.0005 U
Sodium, Dissolved	160	160	15
Thallium, Dissolved	0.002 U	0.002 U	0.002 U
Vanadium, Dissolved	0.005 U	0.005 U	0.005 U
Zinc, Dissolved	0.0069 J	0.008 J	0.033
Cyanide (mg/l)			
Total Cyanide	0.01 U	0.01 U	0.01 U

Table H-2
Groundwater Analytical Results
Perched Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW02-XXX-01-1	SRE-MW02-XXX-01-2	SRE-MW03-XXX-01-1
Sample Date	7/24/2015	7/24/2015	7/23/2015
Location ID	SRE-MW02	SRE-MW02	SRE-MW03
Screen Depth (ft bgs)	2.5 - 17.5	2.5 - 17.5	2.5 - 12.5
Parameter			
Pesticides (mg/l)			
4,4'-DDD	0.00004 U	0.000038 U	0.000038 UJ
4,4'-DDE	0.00004 U	0.000038 U	0.000038 UJ
4,4'-DDT	0.00004 U	0.000038 U	0.000038 UJ
Aldrin	0.00004 U	0.000038 U	0.000038 UJ
Alpha-BHC	0.00004 U	0.000038 U	0.000038 UJ
Beta-BHC	0.00004 U	0.000038 U	0.000038 UJ
Delta-BHC	0.00004 U	0.000038 U	0.000038 UJ
Dieldrin	0.00004 U	0.000038 U	0.000038 UJ
Endosulfan I	0.00004 U	0.000038 U	0.000038 UJ
Endosulfan II	0.00004 U	0.000038 U	0.000038 UJ
Endosulfan Sulfate	0.00004 U	0.000038 U	0.000038 UJ
Endrin	0.00004 U	0.000038 U	0.000038 UJ
Endrin Aldehyde	0.00004 U	0.000038 U	0.000038 UJ
Endrin Ketone	0.00004 U	0.000038 U	0.000038 UJ
Gamma-BHC	0.00004 U	0.000038 U	0.000038 UJ
Heptachlor	0.00004 U	0.000038 U	0.000038 UJ
Heptachlor Epoxide	0.00004 U	0.000038 U	0.000038 UJ
Methoxychlor	0.00008 U	0.000075 U	0.000076 UJ
Tech-Chlordane	0.00008 U	0.000075 U	0.000076 UJ
Toxaphene	0.0004 U	0.00038 U	0.00038 UJ
PCBs (mg/l)			
Aroclor 1016	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1221	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1232	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1242	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1248	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1254	0.0004 U	0.00038 U	0.00038 UJ
Aroclor 1260	0.0004 U	0.00038 U	0.00038 UJ
Polychlorinated biphenyls (PCBs), Total	0.0004 U	0.00038 U	0.00038 UJ

Table H-2
Groundwater Analytical Results
Perched Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW02-XXX-01-1	SRE-MW02-XXX-01-2	SRE-MW03-XXX-01-1
Sample Date	7/24/2015	7/24/2015	7/23/2015
Location ID	SRE-MW02	SRE-MW02	SRE-MW03
Screen Depth (ft bgs)	2.5 - 17.5	2.5 - 17.5	2.5 - 12.5
Parameter			
VOCs (ug/l)			
1,1,1-Trichloroethane	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
1,3-Dichloropropene	1 U	1 U	1 U
2-Hexanone	5 U	5 U	5 U
4-Methyl-2-pentanone	5 U	5 U	5 U
Acetone	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U
Bromodichloromethane	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U
Carbon disulfide	5 U	5 U	5 U
Carbon tetrachloride	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	2.7	2.8	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
Ethylbenzene	0.5 U	0.5 U	0.5 U
Methyl Ethyl Ketone	5 U	5 U	5 U
Methyl tert butyl ether	1 U	1 U	1 U
Methylene chloride	5 U	5 U	5 U
Styrene	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U
Toluene	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethylene	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U
Trichloroethene	0.78	0.78	0.5 U
Vinyl Chloride	0.82	0.98	0.5 U
Xylenes, Total	1 U	1 U	1 U

Table H-2
Groundwater Analytical Results
Perched Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW02-XXX-01-1	SRE-MW02-XXX-01-2	SRE-MW03-XXX-01-1
Sample Date	7/24/2015	7/24/2015	7/23/2015
Location ID	SRE-MW02	SRE-MW02	SRE-MW03
Screen Depth (ft bgs)	2.5 - 17.5	2.5 - 17.5	2.5 - 12.5
Parameter			
SVOCs (mg/l)			
1,2,4-Trichlorobenzene	0.0015 U	0.0015 U	0.0015 U
1,2-Dichlorobenzene	0.0015 U	0.0015 U	0.0015 U
1,3-Dichlorobenzene	0.0015 U	0.0015 U	0.0015 U
1,4-Dichlorobenzene	0.0015 U	0.0015 U	0.0015 U
2,4,5-Trichlorophenol	0.0075 U	0.0075 U	0.0074 U
2,4,6-Trichlorophenol	0.0038 U	0.0038 U	0.0037 U
2,4-Dichlorophenol	0.0075 U	0.0075 U	0.0074 U
2,4-Dimethylphenol	0.0075 UJ	0.0075 UJ	0.0074 UJ
2,4-Dinitrophenol	0.015 UJ	0.015 UJ	0.015 UJ
2,4-Dinitrotoluene	0.00075 U	0.00075 U	0.00074 U
2,6-Dinitrotoluene	0.00038 U	0.00038 U	0.00037 U
2-Chloronaphthalene	0.0015 U	0.0015 U	0.0015 U
2-Chlorophenol	0.0038 U	0.0038 U	0.0037 U
2-Methylnaphthalene	0.0086	0.0086	0.00037 U
2-Methylphenol	0.0015 U	0.0015 U	0.0015 U
2-Nitroaniline	0.0038 U	0.0038 U	0.0037 U
2-Nitrophenol	0.0075 U	0.0075 U	0.0074 U
3,3'-Dichlorobenzidine	0.0038 U	0.0038 U	0.0037 U
3,4-Methylphenol	0.0015 U	0.0015 U	0.0015 U
3-Nitroaniline	0.0075 U	0.0075 U	0.0074 U
4,6-Dinitro-2-methylphenol	0.015 U	0.015 U	0.015 U
4-Bromophenyl-phenylether	0.0038 U	0.0038 U	0.0037 U
4-Chloroaniline	0.0075 U	0.0075 U	0.0074 U
4-Chlorophenyl-phenylether	0.0038 U	0.0038 U	0.0037 U
4-Nitroaniline	0.0075 U	0.0075 U	0.0074 U
4-Nitrophenol	0.015 U	0.015 U	0.015 U
Acenaphthene	0.00075 U	0.00075 U	0.00074 U
Acenaphthylene	0.00075 U	0.00075 U	0.00074 U
Anthracene	0.00075 U	0.00075 U	0.00074 U
Benzo(a)anthracene	0.00012 U	0.00012 U	0.00012 U
Benzo(a)pyrene	0.00015 U	0.00015 U	0.00015 U
Benzo(b)fluoranthene	0.00015 U	0.00015 U	0.00015 U
Benzo(g,h,i)perylene	0.00075 UJ	0.00075 UJ	0.00074 UJ
Benzo(k)fluoranthene	0.00015 U	0.00015 U	0.00015 U
bis(2-Chloroethoxy)methane	0.0015 U	0.0015 U	0.0015 U
bis(2-Chloroethyl)ether	0.0015 U	0.0015 U	0.0015 U
bis(2-Chloroisopropyl)ether	0.0015 U	0.0015 U	0.0015 U
bis(2-Ethylhexyl)phthalate	0.0075 U	0.0075 U	0.0074 U
Butyl benzyl phthalate	0.0015 U	0.0015 U	0.0015 U
Carbazole	0.0038 U	0.0038 U	0.0037 U
Chrysene	0.00038 U	0.00038 U	0.00037 U
Dibenz(a,h)anthracene	0.00023 UJ	0.00023 UJ	0.00022 UJ
Dibenzofuran	0.0015 U	0.0015 U	0.0015 U
Diethyl phthalate	0.0015 U	0.0015 U	0.0015 U
Dimethyl phthalate	0.0015 U	0.0015 U	0.0015 U
Di-N-Butyl phthalate	0.0038 U	0.0038 U	0.0037 U
Di-N-Octyl phthalate	0.0075 U	0.0075 U	0.0074 U
Fluoranthene	0.00075 U	0.00075 U	0.00074 U
Fluorene	0.00075 U	0.00075 U	0.00074 U
Hexachlorobenzene	0.00038 U	0.00038 U	0.00037 U
Hexachlorobutadiene	0.0038 U	0.0038 U	0.0037 U
Hexachlorocyclopentadiene	0.015 U	0.015 U	0.015 U
Hexachloroethane	0.0038 U	0.0038 U	0.0037 U
Indeno(1,2,3-cd)pyrene	0.00015 UJ	0.00015 UJ	0.00015 UJ
Isophorone	0.0015 U	0.0015 U	0.0015 U
Naphthalene	0.0037	0.0037	0.00074 U
Nitrobenzene	0.00075 U	0.00075 U	0.00074 U
N-Nitroso-di-N-propylamine	0.00038 U	0.00038 U	0.00037 U
N-Nitrosodiphenylamine	0.00075 U	0.00075 U	0.00074 U
p-Chloro-m-cresol	0.0075 U	0.0075 U	0.0074 U
Pentachlorophenol	0.015 UJ	0.015 UJ	0.015 UJ
Phenanthrene	0.0024	0.00075 U	0.00074 U
Phenol	0.0038 U	0.0038 U	0.0037 U
Pyrene	0.00075 U	0.00075 U	0.00074 U

Notes:
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value

Table H-3
Groundwater Analytical Results
Deep Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW01D-XXX-01-1	SRE-MW02D-XXX-01-1	SRE-MW02D-XXX-02-1	SRE-MW03D-XXX-01-1	SRE-MW03D-XXX-01-4	SRE-MW04D-XXX-01-1	SRE-MW04D-XXX-01-2
Sample Date	10/1/2015	10/1/2015	11/13/2015	10/1/2015	10/1/2015	10/1/2015	10/1/2015
Location ID	SRE-MW01D	SRE-MW02D	SRE-MW02D	SRE-MW03D	SRE-MW03D	SRE-MW04D	SRE-MW04D
Screen Depth (ft bgs)	27.5 - 37.5	27 - 37	27 - 37	29 - 39	29 - 39	29.5 - 39.5	29.5 - 39.5
Parameter							
Total Metals (mg/l)							
Aluminum, Total	0.3	0.1 U	NA	0.27	0.3	5.1	5.4
Antimony, Total	0.003 U	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U
Arsenic, Total	0.001 U	0.001 U	NA	0.00073 J	0.00078 J	0.0049	0.005
Barium, Total	0.051	0.067	NA	0.039	0.039	0.12	0.12
Beryllium, Total	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.00033 J	0.0003 J
Cadmium, Total	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Calcium, Total	120	110	NA	82	81	250	250
Chromium, Total	0.00066 J	0.005 U	NA	0.005 U	0.005 U	0.012	0.012
Cobalt, Total	0.00048 J	0.00031 J	NA	0.0004 J	0.00042 J	0.0045	0.0047
Copper, Total	0.001 J	0.0012 J	NA	0.002 UJ	0.002 UJ	0.011	0.012
Iron, Total	0.45	0.08 J	NA	0.84	0.93	9.7	9.7
Lead, Total	0.00017 J	0.0005 U	NA	0.00025 J	0.00024 J	0.0056	0.0055
Magnesium, Total	69	55	NA	41	41	120	120
Manganese, Total	0.058	0.036	NA	0.073	0.072	0.55	0.57
Mercury, Total	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel, Total	0.0077	0.0016 J	NA	0.0013 J	0.0013 J	0.01	0.011
Potassium, Total	3.7	2.4	NA	1.5	1.5	5.1	5.3
Selenium, Total	0.0025 U	0.0025 U	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Silver, Total	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Sodium, Total	28 ^	66 ^	NA	19 ^	19 ^	37	36
Thallium, Total	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U
Vanadium, Total	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.012	0.013
Zinc, Total	0.0077 J	0.02 U	NA	0.02 U	0.02 U	0.029	0.029
Dissolved Metals (mg/l)							
Aluminum, Dissolved	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U
Antimony, Dissolved	0.003 U	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U
Arsenic, Dissolved	0.001 U	0.001 U	NA	0.00051 J	0.00049 J	0.0018	0.0018
Barium, Dissolved	0.052	0.066	NA	0.039	0.037	0.095	0.095
Beryllium, Dissolved	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, Dissolved	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Calcium, Dissolved	110	100	NA	76	74	120	120
Chromium, Dissolved	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt, Dissolved	0.0003 J	0.00027 J	NA	0.00028 J	0.00027 J	0.0012	0.0011
Copper, Dissolved	0.0013 J	0.0015 J	NA	0.002 UJ	0.002 UJ	0.002 U	0.002 U
Iron, Dissolved	0.1 U	0.1 U	NA	0.15	0.14	0.47	0.47
Lead, Dissolved	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Magnesium, Dissolved	62	53	NA	38	37	65	65
Manganese, Dissolved	0.028	0.03	NA	0.059	0.058	0.14	0.14
Mercury, Dissolved (ug/l)	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U
Nickel, Dissolved	0.0077	0.0015 J	NA	0.0009 J	0.00081 J	0.0018 J	0.0017 J
Potassium, Dissolved	3	2.3	NA	1.5	1.4	3.1	3.1
Selenium, Dissolved	0.0025 U	0.0025 U	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Silver, Dissolved	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Sodium, Dissolved	29	65	NA	19	19	42	42
Thallium, Dissolved	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U
Vanadium, Dissolved	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Zinc, Dissolved	0.019 J	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.025
Cyanide (mg/l)							
Total Cyanide	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Pesticides (mg/l)							
4,4'-DDD	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
4,4'-DDE	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
4,4'-DDT	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Aldrin	0.000039 UJ	0.00004 UJ	NA	0.000038 UJ	0.000039 UJ	0.000038 UJ	0.000037 UJ
Alpha-BHC	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Beta-BHC	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Delta-BHC	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Dieldrin	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endosulfan I	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endosulfan II	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endosulfan Sulfate	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endrin	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endrin Aldehyde	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Endrin Ketone	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Gamma-BHC	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Heptachlor	0.000039 UJ	0.00004 UJ	NA	0.000038 UJ	0.000039 UJ	0.000038 UJ	0.000037 UJ
Heptachlor Epoxide	0.000039 U	0.00004 U	NA	0.000038 U	0.000039 U	0.000038 U	0.000037 U
Methoxychlor	0.000078 U	0.000079 U	NA	0.000077 U	0.000079 U	0.000076 U	0.000075 U
Tech-Chlordane	0.000078 U	0.000079 U	NA	0.000077 U	0.000079 U	0.000076 U	0.000075 U
Toxaphene	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
PCBs (mg/l)							
Aroclor 1016	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1221	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1232	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1242	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1248	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1254	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Aroclor 1260	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
Polychlorinated biphenyls (PCBs), Total	0.00039 U	0.0004 U	NA	0.00038 U	0.00039 U	0.00038 U	0.00037 U
VOCs (ug/l)							
1,1,1-Trichloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,3-Dichloropropene	1 U	1 U	NA	1 U	1 U	1 U	1 U
2-Hexanone	5 U	5 U	NA	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	5 U	5 U	NA	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	NA	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	NA	1 U	1 U	1 U	1 U
Bromomethane	2 U	2 U	NA	2 U	2 U	2 U	2 U
Carbon disulfide	2 U	2 U	NA	2 U	2 U	2 U	2 U
Carbon tetrachloride	1 U	1 U	NA	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	NA	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	NA	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1.2	NA	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	NA	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	NA	1 U	1 U	1 U	1 U
Ethylbenzene	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Ethyl Ketone	5 U	5 U	NA	5 U	5 U	5 U	5 U
Methyl tert butyl ether	1 U	1 U	NA	1 U	1 U	1 U	1 U
Methylene chloride	5 U	5 U	NA	5 U	5 U	5 U	5 U
Styrene	1 U	1 U	NA	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	NA	1 U	1 U	1 U	1 U
Toluene	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethylene	1 U	1 U	NA	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	NA	1 U	1 U	1 U	1 U
Trichloroethene	2.3	27	30	0.5 U	0.5 U	1.3	1.3
Vinyl Chloride	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	1 U	1 U	NA	1 U	1 U	1 U	1 U

Table H-3
Groundwater Analytical Results
Deep Monitoring Wells
Former Siemens Faciltiy
Batavia, Kane County, Illinois

Field Sample ID	SRE-MW01D-XXX-01-1	SRE-MW02D-XXX-01-1	SRE-MW02D-XXX-02-1	SRE-MW03D-XXX-01-1	SRE-MW03D-XXX-01-4	SRE-MW04D-XXX-01-1	SRE-MW04D-XXX-01-2
Sample Date	10/1/2015	10/1/2015	11/13/2015	10/1/2015	10/1/2015	10/1/2015	10/1/2015
Location ID	SRE-MW01D	SRE-MW02D	SRE-MW02D	SRE-MW03D	SRE-MW03D	SRE-MW04D	SRE-MW04D
Screen Depth (ft bgs)	27.5 - 37.5	27 - 37	27 - 37	29 - 39	29 - 39	29.5 - 39.5	29.5 - 39.5
SVOCs (ug/l)							
1,2,4-Trichlorobenzene	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
1,2-Dichlorobenzene	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
1,3-Dichlorobenzene	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
1,4-Dichlorobenzene	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
2,4,5-Trichlorophenol	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
2,4,6-Trichlorophenol	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
2,4-Dichlorophenol	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
2,4-Dimethylphenol	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
2,4-Dinitrophenol	0.015 U	0.016 U	NA	0.015 U	0.016 U	0.015 U	0.017 U
2,4-Dinitrotoluene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
2,6-Dinitrotoluene	0.00038 U	0.00039 U	NA	0.00038 U	0.0004 U	0.00038 U	0.00042 U
2-Chloronaphthalene	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
2-Chlorophenol	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
2-Methylnaphthalene	0.00038 U	0.00039 U	NA	0.00038 U	0.0004 U	0.00038 U	0.00042 U
2-Methylphenol	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
2-Nitroaniline	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
2-Nitrophenol	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
3,3'-Dichlorobenzidine	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
3,4-Methylphenol	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
3-Nitroaniline	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
4,6-Dinitro-2-methylphenol	0.015 U	0.016 U	NA	0.015 U	0.016 U	0.015 U	0.017 U
4-Bromophenyl-phenylether	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
4-Chloroaniline	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
4-Chlorophenyl-phenylether	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
4-Nitroaniline	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
4-Nitrophenol	0.015 U	0.016 U	NA	0.015 U	0.016 U	0.015 U	0.017 U
Acenaphthene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Acenaphthylene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Anthracene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Benzo(a)anthracene	0.00012 U	0.00013 U	NA	0.00012 U	0.00013 U	0.00012 U	0.00014 U
Benzo(a)pyrene	0.00015 U	0.00016 U	NA	0.00015 U	0.00016 U	0.00015 U	0.00017 U
Benzo(b)fluoranthene	0.00015 U	0.00016 U	NA	0.00015 U	0.00016 U	0.00015 U	0.00017 U
Benzo(g,h,i)perylene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Benzo(k)fluoranthene	0.00015 U	0.00016 U	NA	0.00015 U	0.00016 U	0.00015 U	0.00017 U
bis(2-Chloroethoxy)methane	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
bis(2-Chloroethyl)ether	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
bis(2-Chloroisopropyl)ether	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
bis(2-Ethylhexyl)phthalate	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
Butyl benzyl phthalate	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
Carbazole	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
Chrysene	0.00038 U	0.00039 U	NA	0.00038 U	0.0004 U	0.00038 U	0.00042 U
Dibenz(a,h)anthracene	0.00023 U	0.00023 U	NA	0.00023 U	0.00024 U	0.00023 U	0.00025 U
Dibenzofuran	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
Diethyl phthalate	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
Dimethyl phthalate	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
Di-N-Butyl phthalate	0.0038 U	0.0039 U	NA	0.00082 J	0.00075 J	0.0038 U	0.0042 U
Di-N-Octyl phthalate	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
Fluoranthene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Fluorene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Hexachlorobenzene	0.00038 U	0.00039 U	NA	0.00038 U	0.0004 U	0.00038 U	0.00042 U
Hexachlorobutadiene	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
Hexachlorocyclopentadiene	0.015 U	0.016 U	NA	0.015 U	0.016 U	0.015 U	0.017 U
Hexachloroethane	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
Indeno(1,2,3-cd)pyrene	0.00015 U	0.00016 U	NA	0.00015 U	0.00016 U	0.00015 U	0.00017 U
Isophorone	0.0015 U	0.0016 U	NA	0.0015 U	0.0016 U	0.0015 U	0.0017 U
Naphthalene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Nitrobenzene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
N-Nitroso-di-N-propylamine	0.00038 U	0.00039 U	NA	0.00038 U	0.0004 U	0.00038 U	0.00042 U
N-Nitrosodiphenylamine	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
p-Chloro-m-cresol	0.0077 U	0.0078 U	NA	0.0076 U	0.0079 U	0.0077 U	0.0085 U
Pentachlorophenol	0.015 U	0.016 U	NA	0.015 U	0.016 U	0.015 U	0.017 U
Phenanthrene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U
Phenol	0.0038 U	0.0039 U	NA	0.0038 U	0.004 U	0.0038 U	0.0042 U
Pyrene	0.00077 U	0.00078 U	NA	0.00076 U	0.00079 U	0.00077 U	0.00085 U

Notes:
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value
NA - Not Analyzed

Table H-4
FOC and Grain Size Results
Former Siemens Facility
Batavia, Illinois

Station Name	SRE-SB006	SRE-SB006
FieldSampleID	SRE-SB006-001-1	SRE-SB006-015-1
Sample Date	7/21/2015	7/21/2015
SampleTop	1 - 3 ft	15 - 17 ft
Parameter		
FOC (%)		
FOC by Nelson and Sommers (0.58 factor)	1.7	1
Moisture Content	22	14
Organic Matter at 440 Deg(C)	2.9	1.8
Soil Type (%)		
Gravel	0	0
Sand	8.4	16.2
Coarse Sand	0	0
Medium Sand	2.5	5.8
Fine Sand	5.9	10.4
Silt	53.8	44.6
Clay	37.8	39.2
Grain Size (% Passing)		
Hydrometer Reading 1 - Percent Finer	87.2	67.5
Hydrometer Reading 2 - Percent Finer	69.7	59
Hydrometer Reading 3 - Percent Finer	57	53.4
Hydrometer Reading 4 - Percent Finer	49	49.1
Hydrometer Reading 5 - Percent Finer	37.8	39.2
Hydrometer Reading 6 - Percent Finer	27.9	30.4
Hydrometer Reading 7 - Percent Finer	25.9	23
Sieve Size #4 - Percent Finer	100	100
Sieve Size #10 - Percent Finer	100	100
Sieve Size #20 - Percent Finer	98.5	96.8
Sieve Size #40 - Percent Finer	97.5	94.2
Sieve Size #60 - Percent Finer	94.1	90.1
Sieve Size #80 - Percent Finer	92.9	88.3
Sieve Size #100 - Percent Finer	92.5	87.3
Sieve Size #200 - Percent Finer	91.6	83.8
Sieve Size 1 inch - Percent Finer	100	100
Sieve Size 1.5 inch - Percent Finer	100	100
Sieve Size 2 inch - Percent Finer	100	100
Sieve Size 3 inch - Percent Finer	100	100
Sieve Size 0.75 inch - Percent Finer	100	100
Sieve Size 0.375 inch - Percent Finer	100	100
Other		
Specific Gravity	1.9	2
Percent Solids (%)	78	86

Table H-5
Soil Waste Characterization Analytical Results
Former Siemens Facility
Batavia, Illinois

	Location ID	SM-BLKSND	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002	SRE-Waste-SB007/SB011
	Field Sample ID	SM-BLKSND-1	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002-1	SRE-Waste-SB007/SB011-1
	Sample Date	4/22/2015	5/15/2015	5/11/2015	5/11/2015	4/10/2015	4/10/2015
Parameter	**40 CFR Hazardous Waste**						
TCLP Metals (mg/l)							
Arsenic, TCLP	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.014 J
Barium, TCLP	100	0.17 J	0.11 J	0.48 J	0.22 J	0.15 J	0.11 J
Cadmium, TCLP	1	0.0032 J	0.005 U	0.005 U	0.005 U	0.002 J	0.0067
Chromium, TCLP	5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Lead, TCLP	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Selenium, TCLP	1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, TCLP	5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Mercury, TCLP	0.2	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Pesticides (ug/kg)							
4,4'-DDD	---	19 U	19 U	3	18 U	38 U	38 U
4,4'-DDE	---	6.4 J	19 U	43	18 U	38 U	38 U
4,4'-DDT	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Aldrin	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Alpha-BHC	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Alpha-chlordane	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Beta-BHC	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Delta-BHC	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Dieldrin	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endosulfan I	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endosulfan II	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endosulfan Sulfate	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endrin	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endrin Aldehyde	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Endrin Ketone	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Gamma-BHC	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Gamma-Chlordane	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Heptachlor	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Heptachlor Epoxide	---	19 U	19 U	2.2 U	18 U	38 U	38 U
Methoxychlor	---	92 U	94 U	11 U	86 U	180 U	180 U
Tech-Chlordane	---	74 U	76 U	8.8 U	69 U	150 U	150 U
Toxaphene	---	180 U	190 U	22 U	170 U	370 U	370 U
Herbicides (ug/kg)							
2,4,5-T	---	370 U	380 U	440 U	360 U	360 U	370 U
2,4,5-TP	---	370 U	380 U	440 U	360 U	360 U	370 U
2,4-D	---	370 U	380 U	440 U	360 U	360 U	370 U
2,4-DB	---	370 U	380 U	440 U	360 U	360 U	370 U
Dicamba	---	370 U	380 U	440 U	360 U	360 U	370 U
Dichloropropane	---	370 U	380 U	440 U	360 U	360 U	370 U
PCBs (ug/kg)							
Aroclor 1016	---	18 U	19 U	22 U	17 U	18 U	93 U
Aroclor 1221	---	18 U	19 U	22 U	17 U	18 U	93 U
Aroclor 1232	---	18 U	19 U	22 U	17 U	18 U	93 U
Aroclor 1242	---	18 U	19 U	22 U	17 U	18 U	93 U
Aroclor 1248	---	18 U	19 U	22 U	17 U	18 U	93 U
Aroclor 1254	---	18 U	19 U	22 U	17 U	18 U	1600 J
Aroclor 1260	---	18 U	19 U	22 U	23	18 U	570 J

Table H-5
Soil Waste Characterization Analytical Results
Former Siemens Facility
Batavia, Illinois

	Location ID	SM-BLKSND	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002	SRE-Waste-SB007/SB011
	Field Sample ID	SM-BLKSND-1	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002-1	SRE-Waste-SB007/SB011-1
	Sample Date	4/22/2015	5/15/2015	5/11/2015	5/11/2015	4/10/2015	4/10/2015
Parameter	**40 CFR Hazardous Waste**						
VOCs (ug/kg)							
1,1,1-Trichloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,1,2,2-Tetrachloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,1,2-Trichloro-1,2,2-trifluoroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
1,1,2-Trichloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,1-Dichloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,1-Dichloroethene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,2,4-Trichlorobenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
1,2-Dibromo-3-chloropropane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
1,2-Dichlorobenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
1,2-Dichloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,2-Dichloropropane	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
1,3-Dichlorobenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
1,4-Dichlorobenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
2-Hexanone	---	5.2 U	5.1 U	5.7 U	4.9 U	360 U	290 U
4-Methyl-2-pentanone	---	5.2 U	5.1 U	5.7 U	4.9 U	360 U	290 U
Acetone	---	6.6	5.1 U	14	21	360 U	290 U
Benzene	---	5.2 U	5.1 U	5.7 U	4.9 U	21	15 U
Bromodichloromethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Bromoform	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Bromomethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Carbon disulfide	---	5.2 U	5.1 U	5.7 U	4.9 U	360 U	290 U
Carbon tetrachloride	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Chlorobenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Chloroethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Chloroform	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Chloromethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
cis-1,2-Dichloroethene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
cis-1,3-Dichloropropene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Cyclohexane	---	5.2 U	5.1 U	5.7 U	4.9 U	190	120 U
Dibromochloromethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Dichlorodifluoromethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Ethylbenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	48	15 U
Ethylene dibromide	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Isopropylbenzene	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Methyl acetate	---	26 U	26 U	29 U	24 U	140 U	120 U
Methyl Ethyl Ketone	---	5.2 U	5.1 U	5.7 U	4.9 U	360 U	290 U
Methyl tert butyl ether	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Methylcyclohexane	---	5.2 U	5.1 U	5.7 U	4.9 U	380	120 U
Methylene chloride	---	5.2 U	5.1 U	5.7 U	4.9 U	360 U	290 U
Styrene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Tetrachloroethene	---	5.2 U	5.1 U	5.7 U	4.9 U	590	58 U
Toluene	---	5.2 U	5.1 U	5.7 U	4.9 U	110	15 U
trans-1,2-Dichloroethylene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
trans-1,3-Dichloropropene	---	5.2 U	5.1 U	5.7 U	4.9 U	71 U	58 U
Trichloroethene	---	5.2 U	5.1 U	5.7 U	4.9 U	7600	670
Trichlorofluoromethane	---	5.2 U	5.1 U	5.7 U	4.9 U	140 U	120 U
Vinyl Chloride	---	5.2 U	5.1 U	5.7 U	4.9 U	18 U	15 U
Xylenes, Total	---	10 U	10 U	11 U	9.8 U	320	29 U

Table H-5
Soil Waste Characterization Analytical Results
Former Siemens Facility
Batavia, Illinois

	Location ID	SM-BLKSND	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002	SRE-Waste-SB007/SB011
	Field Sample ID	SM-BLKSND-1	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002-1	SRE-Waste-SB007/SB011-1
	Sample Date	4/22/2015	5/15/2015	5/11/2015	5/11/2015	4/10/2015	4/10/2015
Parameter	**40 CFR Hazardous Waste**						
SVOCs (ug/kg)							
1,2,4-Trichlorobenzene	---	930 U	970 U	220 U	170 U	180 U	1800 U
1,2-Dichlorobenzene	---	930 U	970 U	220 U	170 U	180 U	1800 U
1,3-Dichlorobenzene	---	930 U	970 U	220 U	170 U	180 U	1800 U
1,4-Dichlorobenzene	---	930 U	970 U	220 U	170 U	180 U	1800 U
2,4,5-Trichlorophenol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
2,4,6-Trichlorophenol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
2,4-Dichlorophenol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
2,4-Dimethylphenol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
2,4-Dinitrophenol	---	3800 R	3900 R	870 U	690 U	740 U	7400 U
2,4-Dinitrotoluene	---	930 U	970 U	220 U	170 U	180 U	1800 U
2,6-Dinitrotoluene	---	930 U	970 U	220 U	170 U	180 U	1800 U
2-Chloronaphthalene	---	930 U	970 U	220 U	170 U	180 U	1800 U
2-Chlorophenol	---	930 U	970 U	220 U	170 U	180 U	1800 U
2-Methylnaphthalene	---	43 J	71 J	43 U	34 U	180	400
2-Methylphenol	---	930 U	970 U	220 U	170 U	180 U	1800 U
2-Nitroaniline	---	930 U	970 U	220 U	170 U	180 U	1800 U
2-Nitrophenol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
3,3'-Dichlorobenzidine	---	930 U	970 U	220 U	170 U	180 U	1800 U
3,4-Methylphenol	---	930 U	970 U	220 U	170 U	180 U	1800 U
3-Nitroaniline	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
4,6-Dinitro-2-methylphenol	---	1800 R	1900 U	430 U	340 U	360 U	3600 U
4-Bromophenyl-phenylether	---	930 U	970 U	220 U	170 U	180 U	1800 U
4-Chloroaniline	---	3800 U	3900 U	870 U	690 U	740 U	7400 U
4-Chlorophenyl-phenylether	---	930 U	970 U	220 U	170 U	180 U	1800 U
4-Nitroaniline	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
4-Nitrophenol	---	3800 U	3900 U	870 U	690 U	740 U	7400 U
Acenaphthene	---	150 J	85 J	43 U	34 U	160	360 U
Acenaphthylene	---	180 U	190 U	43 U	34 U	9.2 J	64 J
Anthracene	---	510	510	43 U	34 U	130	200 J
Benzo(a)anthracene	---	9100	11000	43 U	84	3400	2200
Benzo(a)pyrene	---	8300	12000	43 U	110	6400	3300
Benzo(b)fluoranthene	---	14000	38000	11 J	260	10000	7600
Benzo(g,h,i)perylene	---	9000	21000	43 U	140	5700	5600
Benzo(k)fluoranthene	---	6100	4400	43 U	87	3700	2900
bis(2-Chloroethoxy)methane	---	930 U	970 U	220 U	170 U	180 U	1800 U
bis(2-Chloroethyl)ether	---	930 U	970 U	220 U	170 U	180 U	1800 U
bis(2-Chloroisopropyl)ether	---	930 U	970 U	220 U	170 U	180 U	1800 U
bis(2-Ethylhexyl)phthalate	---	930 U	970 U	220 U	76 J	180 U	1800 U
Butyl benzyl phthalate	---	930 U	970 U	220 U	170 U	180 U	1800 U
Carbazole	---	930 U	970 U	220 U	170 U	120 J	1800 U
Chrysene	---	14000	20000	43 U	110	5000	3600
Dibenz(a,h)anthracene	---	2700	5800	43 U	49	36 U	1400
Dibenzofuran	---	930 U	970 U	220 U	170 U	90 J	1800 U
Diethyl phthalate	---	930 U	970 U	220 U	170 U	180 U	1800 U
Dimethyl phthalate	---	930 U	970 U	220 U	170 U	240	1800 U
Di-N-Butyl phthalate	---	930 U	970 U	220 U	170 U	180 U	1800 U
Di-N-Octyl phthalate	---	930 U	970 U	220 U	170 U	180 U	1800 U
Fluoranthene	---	12000	10000	43 U	67	3200	2600
Fluorene	---	140 J	56 J	43 U	34 U	64	64 J
Hexachlorobenzene	---	380 U	390 U	87 U	69 U	74 U	740 U
Hexachlorobutadiene	---	930 U	970 U	220 U	170 U	180 U	1800 U
Hexachlorocyclopentadiene	---	3800 U	3900 U	870 R	690 R	740 U	7400 U
Hexachloroethane	---	930 U	970 U	220 U	170 U	180 U	1800 U
Indeno(1,2,3-cd)pyrene	---	8100	19000	43 U	140	4300	4200
Isophorone	---	930 U	970 U	220 U	170 U	180 U	1800 U
Naphthalene	---	110 J	140 J	43 U	34 U	280	86 J
Nitrobenzene	---	180 U	190 U	43 U	34 U	36 U	360 U
N-Nitroso-di-N-propylamine	---	930 U	970 U	220 U	170 U	180 U	1800 U
N-Nitrosodiphenylamine	---	930 U	970 U	220 U	170 U	180 U	1800 U
p-Chloro-m-cresol	---	1800 U	1900 U	430 U	340 U	360 U	3600 U
Pentachlorophenol	---	3800 U	3900 U	870 R	690 R	740 U	7400 U
Phenanthrene	---	3100	3100	43 U	24 J	770	740
Phenol	---	930 U	970 U	220 U	170 U	180 U	1800 U
Pyrene	---	7900	12000	43 U	69	3500	2800

Table H-5
Soil Waste Characterization Analytical Results
Former Siemens Facility
Batavia, Illinois

	Location ID	SM-BLKSND	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002	SRE-Waste-SB007/SB011
	Field Sample ID	SM-BLKSND-1	SRE-BLKSAND-TP10/11	SRE-BLKSOIL-TP 3/4	SRE-LTBRNSAND-1	SRE-Waste-SB002-1	SRE-Waste-SB007/SB011-1
	Sample Date	4/22/2015	5/15/2015	5/11/2015	5/11/2015	4/10/2015	4/10/2015
Parameter	**40 CFR Hazardous Waste**						
Other							
Percent Solids (%)	---	88	85	74	92	89	87
Laboratory pH (s.u)	> 12.5 or < 2	8.25	8.86	7.47	8.55	9.86	8.83
Reactive Cyanide (mg/kg)	---	0.5 U	0.49 U	0.48 U	0.48 U	0.47 U	0.45 U
Reactive Sulfide (mg/kg)	---	49 UJ	47 UJ	50 U	49 U	48 U	50 U
Extractable Organic Halogens (mg/kg)	---	230 U	230 U	270 U	220 U	56 U	58 U
Paint Filter (mL/100g)	---	PASS	PASS	PASS	PASS	PASS	PASS
Flashpoint (Deg F)	< 140	176 >	176 >	176 >	176 >	176 >	176 >

Notes:
U - Compound/Analyte not detected above laboratory reporting limit.
J - Estimated Value

APPENDIX I
95 UCL

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	1/29/2015 9:45:11 AM
From File	Arsenic.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic, Total - NA - mk

General Statistics

Total Number of Observations	42	Number of Distinct Observations	33
		Number of Missing Observations	0
Minimum	1.3	Mean	6.324
Maximum	32	Median	5.85
SD	4.945	Std. Error of Mean	0.763
Coefficient of Variation	0.782	Skewness	3.642

Normal GOF Test

Shapiro Wilk Test Statistic	0.652	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.942	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.239	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.137	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	7.608	95% Adjusted-CLT UCL (Chen-1995)	8.037
		95% Modified-t UCL (Johnson-1978)	7.679

Gamma GOF Test

A-D Test Statistic	0.945	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.756	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.145	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.138	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.788	k star (bias corrected MLE)	2.604
Theta hat (MLE)	2.269	Theta star (bias corrected MLE)	2.428
nu hat (MLE)	234.2	nu star (bias corrected)	218.8
MLE Mean (bias corrected)	6.324	MLE Sd (bias corrected)	3.919
		Approximate Chi Square Value (0.05)	185.5
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	184.4

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	7.457	95% Adjusted Gamma UCL (use when n<50)	7.5

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	1/29/2015 9:45:11 AM
From File	Arsenic.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic, Total - NA - mk

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.932	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.942	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.164	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.137	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.262	Mean of logged Data	1.654
Maximum of Logged Data	3.466	SD of logged Data	0.605

Assuming Lognormal Distribution

95% H-UCL	7.572	90% Chebyshev (MVUE) UCL	8.121
95% Chebyshev (MVUE) UCL	8.97	97.5% Chebyshev (MVUE) UCL	10.15
99% Chebyshev (MVUE) UCL	12.46		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	7.579	95% Jackknife UCL	7.608
95% Standard Bootstrap UCL	7.582	95% Bootstrap-t UCL	8.395
95% Hall's Bootstrap UCL	13.52	95% Percentile Bootstrap UCL	7.724
95% BCA Bootstrap UCL	8.15		
90% Chebyshev(Mean, Sd) UCL	8.613	95% Chebyshev(Mean, Sd) UCL	9.65
97.5% Chebyshev(Mean, Sd) UCL	11.09	99% Chebyshev(Mean, Sd) UCL	13.92

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	9.65

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	1/29/2015 9:46:53 AM
From File	Manganese.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Manganese, Total - NA - mk

General Statistics

Total Number of Observations	42	Number of Distinct Observations	28
		Number of Missing Observations	0
Minimum	120	Mean	413.8
Maximum	1800	Median	350
SD	277.6	Std. Error of Mean	42.84
Coefficient of Variation	0.671	Skewness	3.494

Normal GOF Test

Shapiro Wilk Test Statistic	0.633	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.942	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.277	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.137	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	485.9	95% Adjusted-CLT UCL (Chen-1995)	509
		95% Modified-t UCL (Johnson-1978)	489.8

Gamma GOF Test

A-D Test Statistic	1.809	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.753	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.192	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.137	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	4.06	k star (bias corrected MLE)	3.786
Theta hat (MLE)	101.9	Theta star (bias corrected MLE)	109.3
nu hat (MLE)	341.1	nu star (bias corrected)	318
MLE Mean (bias corrected)	413.8	MLE Sd (bias corrected)	212.7
		Approximate Chi Square Value (0.05)	277.7
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	276.4

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	473.9	95% Adjusted Gamma UCL (use when n<50)	476.2

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	1/29/2015 9:46:53 AM
From File	Manganese.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Manganese, Total - NA - mk

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.902	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.942	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.15	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.137	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	4.787	Mean of logged Data	5.897
Maximum of Logged Data	7.496	SD of logged Data	0.469

Assuming Lognormal Distribution

95% H-UCL	466.2	90% Chebyshev (MVUE) UCL	496.9
95% Chebyshev (MVUE) UCL	538.4	97.5% Chebyshev (MVUE) UCL	596.1
99% Chebyshev (MVUE) UCL	709.3		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	484.3	95% Jackknife UCL	485.9
95% Standard Bootstrap UCL	483	95% Bootstrap-t UCL	531.7
95% Hall's Bootstrap UCL	798.6	95% Percentile Bootstrap UCL	491.9
95% BCA Bootstrap UCL	518.6		
90% Chebyshev(Mean, Sd) UCL	542.3	95% Chebyshev(Mean, Sd) UCL	600.6
97.5% Chebyshev(Mean, Sd) UCL	681.4	99% Chebyshev(Mean, Sd) UCL	840.1

Suggested UCL to Use

95% Student's-t UCL	485.9	or 95% Modified-t UCL	489.8

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

APPENDIX J
Tier 2 Evaluation – 2006 IEPA Approved Values

APPENDIX J
TIER 2 EVALUATION – 2006 IEPA APPROVED VALUES

In accordance with IEPA's 5 February 1997 response letter to the *Phase II Environmental Site Assessment Soil Sampling Results for the Current and Former TCE Storage Areas*, Tier 2 soil remediation objectives for the soil component of the groundwater ingestion exposure route were developed by applying site-specific data to pre-established equations provided in Appendix C of 35 IAC Part 742.320. TACO presents two methodologies for developing Tier 2 remediation objectives – U.S. EPA Soil Screening Level (SSL) methods and ASTM Risk Based Corrective Action (RBCA) methods. Both RBCA and SSL equations can be used to model the migration to groundwater portion of the groundwater ingestion route, and the less restrictive objective may be used. The SSL method was selected to develop site-specific Tier 2 soil component of the groundwater migration pathway remediation objectives for TCE, cis-1,2-dichloroethylene, and vinyl chloride. Using the SSL methods, the steps in calculating a Tier 2 migration to groundwater soil remediation objective are as follows:

Step 1: Determine the soil leachate concentration using Equation S18:

$$C_w = DF \times GW_{obj}$$

where:

Cw = Target soil leachate concentration (mg/L).

DF = Dilution factor (20, unitless), default value from Appendix C Table B.

GW_{obj} = Groundwater remediation objective, chemical-specific value obtained from Appendix B, Table E (mg/L).

Step 2: Determine the soil-water partition coefficient using Equation S19:

$$K_d = K_{oc} \times f_{oc}$$

where:

K_d = Soil-water partition coefficient (L/kg).

K_{oc} = Organic carbon partition coefficient, chemical specific value obtained from Appendix C, Table E.

f_{oc} = Organic carbon content of soil (0.0107 g/g).

A value of 0.0107 g/g (GW-2,14-16 ft bgs) was applied for the organic carbon content. This site-specific value is from a sample location outside the contaminated zone but within the predominant soil type of the contaminated zone (see *Focused Site Investigation Report*, Section 3.3.1, and Appendix C).

Step 3: Use Equation S17 to determine the remediation objective:

$$RO = C_w \times \left\{ K_d + \frac{\left(\theta_w + \theta_a \times H'\right)}{\rho_b} \right\}$$

where:

RO = Remediation objective (mg/kg).

θ_w = Water-filled soil porosity (0.17 L_{water}/L_{soil}), default value for clay from Appendix C, Table B.

θ_a = Air-filled soil porosity (0.19 L_{air}/L_{soil}), default value for clay from Appendix C, Table B.

H' = Henry's Law constant (unitless), chemical specific value obtained from Appendix C, Table E.

ρ_b = Dry soil bulk density (1.7 kg/L), default value for clay from Appendix C, Table B.

Default parameters for a clay were applied based on particle size analysis of sample GW-2 (14-16 ft bgs), described as a dark gray silty clay, trace coarse to fine sand clay loam. This site-specific value is from a sample location outside the contaminated zone but within the

predominant soil type of the contaminated zone (see *Focused Site Investigation Report* (WESTON, 2003), Section 3.3.1, and Appendix C).

Step 4: Determine the soil saturation concentration using Equation S29:

$$C_{sat} = \frac{S}{\rho_b} \times \left[\left(K_d \times \rho_b \right) + \theta_w + \left(H' \times \theta_a \right) \right]$$

where:

C_{sat} = Soil saturation limit (mg/kg).

S = Solubility, chemical-specific value from Appendix C, Table E (mg/L).

Step 5: Soil attenuation capacity cannot be exceeded as described in 35 IAC 742.15.

The sum of the concentrations of all organic contaminants does not exceed the attenuation capacity of the soil. The maximum organic contaminant residual concentration is 45 mg/kg at sample location SB-26, which does not exceed the default attenuation capacity of 2,000 mg/kg.

Based on the data collected at the facility, the following Tier 2 soil remediation objectives were determined (Table H-1):

- Cis-1,2-dichloroethene – 698 μg/kg.
- Trichloroethene – 192 μg/kg.
- Vinyl chloride – 17 μg/kg.

Table J-1
Tier 2 SSL - Migration to Groundwater - Soil Component of the Groundwater Migration Exposure Pathways
Former Siemens Facility
Batavia, Illinois

Step 1:
Determine the leachate concentration using Equation S18
Cw = DF * GWobj
Step 2: Determine the soil-water partition coefficient using Equation S19
Kd = Koc * foc
Step 3: Use Equation S17 to determine the remediation objective
R.O. = Cw * {Kd + (Pw + Pa * H')/BD)}
Step 4: Determine the soil saturation limit
Csat = S/BD * [(Kd*BD)+Pw + (H'*Pa)]

Chemical	GWobj (mg/L)	Cw (mg/L)	Koc (L/kg)	foc (g/g)	Kd (L/kg)	H' (unitless)	Remediation Objective (ug/kg)	Solubility (mg/l)	Csat (ug/kg)
cis-1,2-Dicloroethene	0.07	1.4	35.5	0.01070	0.380	0.167	698	3500	1744801
Trichloroethene	0.005	0.1	166	0.01070	1.776	0.422	192	1100	2115701
Vinyl chloride	0.002	0.04	18.6	0.01070	0.1990	1.11	17	2760	1167698

Dilution factor (DF)	20
Bulk density (BD) -clay	1.7
Air-filled soil porosity (Pa) -clay	0.19
Water filled soil porosity (Pw) -clay	0.17