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9/14/14

Summary of Investigation Efforts Shakespeare Composite Structures, LLC Newberry, South Carolina

SCDHEC Site ID # 51025

Shakespeare Composite Structures, LLC (Shakespeare) operates a fiberglass product design and manufacturing facility at 19845 US Highway 76 in Newberry, South Carolina (the Site). Figure 1 shows the location of the Site. Between December 2013 and February 2014, Shakespeare and AECOM Technical Services, Inc. (AECOM) performed a Phase I Environmental Site Assessment (Phase I ESA) and Phase II ESA related efforts to identify and investigate potential environmental impacts at the facility. The Phase II ESA efforts identified concentrations of chlorinated volatile organic compounds (CVOCs) in soil and groundwater beneath the facility. As a result of the Phase II ESA findings several phases of investigation both on and surrounding the facility have been performed to identify source areas and to determine the extent of the CVOCs in groundwater.

This document serves as a brief summary of the investigative efforts performed since the inception of the Phase II ESA, including the subsequent Site Investigation (SI). This document presents a brief summary of the results of the investigative efforts performed to date.

Description of Investigation Efforts

In January 2014, AECOM initiated the Phase II ESA at the Shakespeare facility in Newberry, SC. The Phase II ESA included the following:

- Installation and sampling of eight shallow temporary monitoring wells (TMW-1 through TMW-8)
- Collection and analysis of four surface soil samples;
- Collection and analysis of 15 subsurface soil samples;
- Collection of a sediment sample from a storm water drain in the eastern portion of the property (REC-7a); and
- Collection of a sediment and surface water sample from the storm water outfall located on the northwestern side of the property (REC-7b).

Figure 2 illustrates the locations from which all soil samples have been collected from the site to date. Figure 3 illustrates the locations from which groundwater samples have been collected from the site to date.

Following review of the Phase II ESA, AECOM and Shakespeare developed a Site Investigation Work Plan (SI Work Plan) that outlined the rationale for performing additional investigative efforts and the technical approaches that were to be used to collect additional data from the Site. The initial phase of the SI was implemented in April 2014. The SI has since included multiple phases of investigative work. The following activities were performed as part of the initial phase of the SI:

Collection of additional subsurface soil samples from Phase II ESA boring locations B-12, B-13, and B-16. The intent of this phase of soil sampling was to focus on potential source areas based on their historical use and results from the Phase II ESA sampling efforts in these areas. Field personnel utilized the Color-Tec™ field screening tool to determine which two subsurface samples from each boring would be submitted for chemical analysis. The results for the subsurface soil samples are discussed later in this summary.

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- Installation and sampling of 10 shallow temporary monitoring wells (TMW-9 through TMW-18).
 The additional temporary wells were installed at these locations in an attempt to delineate the horizontal extent of CVOC impact on the facility property.
- Installation of nine permanent monitoring wells (MW-1 through MW-9). Each of these wells was installed as replacements for temporary wells.

The second phase of the SI was implemented in late May 2014. It included the advancement of numerous soil borings, field screening of soil samples, collection of soil samples for laboratory analysis, and installation and sampling of temporary and permanent monitoring wells. More specifically, the second phase of the SI included the following:

- Advancement of 28 soil borings at locations within and adjacent to the main production building and the pole winder building at the facility. The soil borings allowed collection of continuous subsurface soil cores from land surface to approximately 25 feet or drilling refusal. Soil samples were collected at one to two foot intervals and evaluated using the Color-Tec™ field screening tool to determine which three to four samples from each boring would be submitted for chemical analysis (Figure 2).
- Installation of 15 shallow temporary monitoring wells to further delineate source areas and boundaries for elevated CVOC concentrations in groundwater (Figure 3).
- Collection of groundwater samples from four existing permanent monitoring wells for additional chemical and biological analyses to determine the extent of natural attenuation conditions beneath the Site.
- Collection of samples from seven private water supply wells located around the Site.

Following a brief meeting with the SCDHEC representatives in June 2014 to present results of the investigative efforts to date, AECOM and Shakespeare implemented an Expanded Investigation at the Site. This included an additional phase of groundwater investigation both on-site and off-site, sampling multiple depth zones at locations on- and off-site in an attempt to delineate the extent of CVOCs in groundwater (Figure 3). This phase of the investigation included the use of the Color-Tec™ Kit to screen groundwater samples as they were collected for the presence of CVOCs. Color-Tec™ field screening results were used to guide the sampling efforts both vertically and horizontally. This investigation effort was implemented in mid-July 2014 and completed in late August 2014. More specifically this investigation included the following:

- Collection of shallow and intermediate depth groundwater samples from 12 locations (TMW-34 through TMW-41, TMW-101 through TMW-105) on private properties to the west of the Shakespeare facility;
- Collection of shallow and intermediate depth groundwater samples from 57 locations (TMW-42 through TMW-99) on property that bounds the northern side of the Shakespeare facility;
- Collection of groundwater samples from intermediate depth intervals at seven locations (TMW-44, TMW-45, TMW-46, TMW-47, TMW-48, TMW-49, TMW-50, TMW-51, TMW-100, and TMW-106) beneath the Shakespeare property;
- Installation and sampling of four deep bedrock wells on the Shakespeare property (MW-2D, MW-3D, MW-6D, MW-7D);
- Installation and sampling of two deep bedrock wells on private property west of the Shakespeare facility (RDW-1 and RDW-2); and



Collection of three surface water samples (SW-1, SW-2, SW-3) from a small creek that bounds
the northern end of the groundwater sampling grid on the property that bounds the northern side
of the Shakespeare facility (Figure 3).

Summary of Results

Results of the investigative efforts to date have indicated the following:

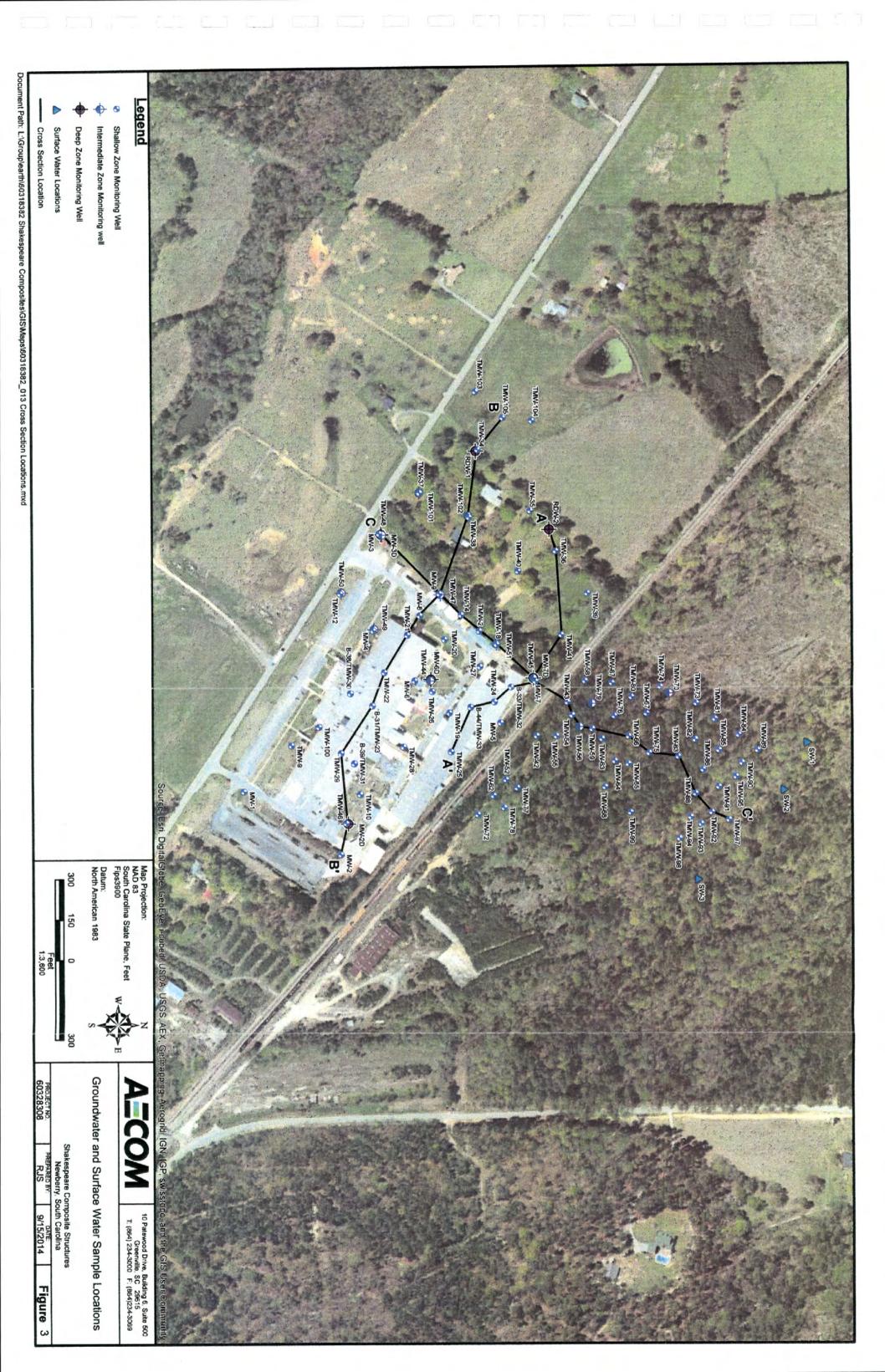
- The geology and hydrogeology of the area is relatively complex. Lithologic information collected during the investigative efforts has been used to generate three cross sections. The orientation of the locations is depicted on Figure 3. Figures 4 through 6 are cross sections illustrating the lithologic information collected during the investigative efforts completed to date. The majority of the Shakespeare property is underlain by a layer of fill, likely added at the time of the facility's construction. This is underlain by what is termed a residuum consisting of more severely weathered native saprolite. The residuum materials consist primarily of silts and sands with what appears to be some relict granitic structure at increasing depths. The residuum is underlain by saprolite with intervals of partially weathered granite at various depths. The saprolite and partially weathered rock (PWR) is underlain by fine grained granite, called the Newberry Granite. The surface of the competent granite is encountered at varying depths throughout the area, which is demonstrated in the core logs developed while the deep bedrock wells were installed during this investigation. Granite outcrops are visible at several locations at the Shakespeare facility and on surrounding properties.
- Groundwater elevation data has been collected from temporary and permanent monitoring wells installed during the investigation. It should be noted that the elevation data was collected over a period of several days. This data for the shallow zone is not from a synoptic elevation measurement event since many of the temporary well locations were not simultaneously present. As illustrated in Figure 7, the direction of groundwater flow in the shallow zone is generally to the west across the site. There is a northwestern flow component in the shallow zone beneath the private property to the north that appears to be following variations along the top of shallow bedrock or shallow zones of less permeable PWR. There is a slight southwestern flow component in the shallow zone beneath the private properties to the west of the Site.
- Figure 8 is a potentiometric surface map generated using data from the deep bedrock wells. As illustrated on Figure 8, the direction of flow in the bedrock formation is to the west-southwest.
- The investigation efforts completed to date have determined that CVOCs are present in soil and groundwater beneath the Site. Tables 1 through 3 summarize the VOC concentrations in soil samples collected from the site since investigative efforts were initiated. Soil sample results are summarized in these tables based on the areas from where they were collected. As indicated in the soil summary tables, none of the detected parameters exceed their respective residential or industrial regional screening levels (RSLs). However, it is noted that a limited number of the VOCs exceed their respective soil screening levels (SSLs) in at least one soil sample. Figures 9 through 11 illustrate the distribution of total VOC concentrations in soil samples collected from the Site.
- CVOCs are present above federal drinking water standards (MCLs) in groundwater beneath the site. Tables 4 through 6 summarize the VOC results for groundwater samples collected from the site since the inception of the investigative efforts. Figures 12 through 14 are isoconcentration maps depicting the extent of trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2 DCE), and vinyl chloride (VC) concentrations in the shallow groundwater.

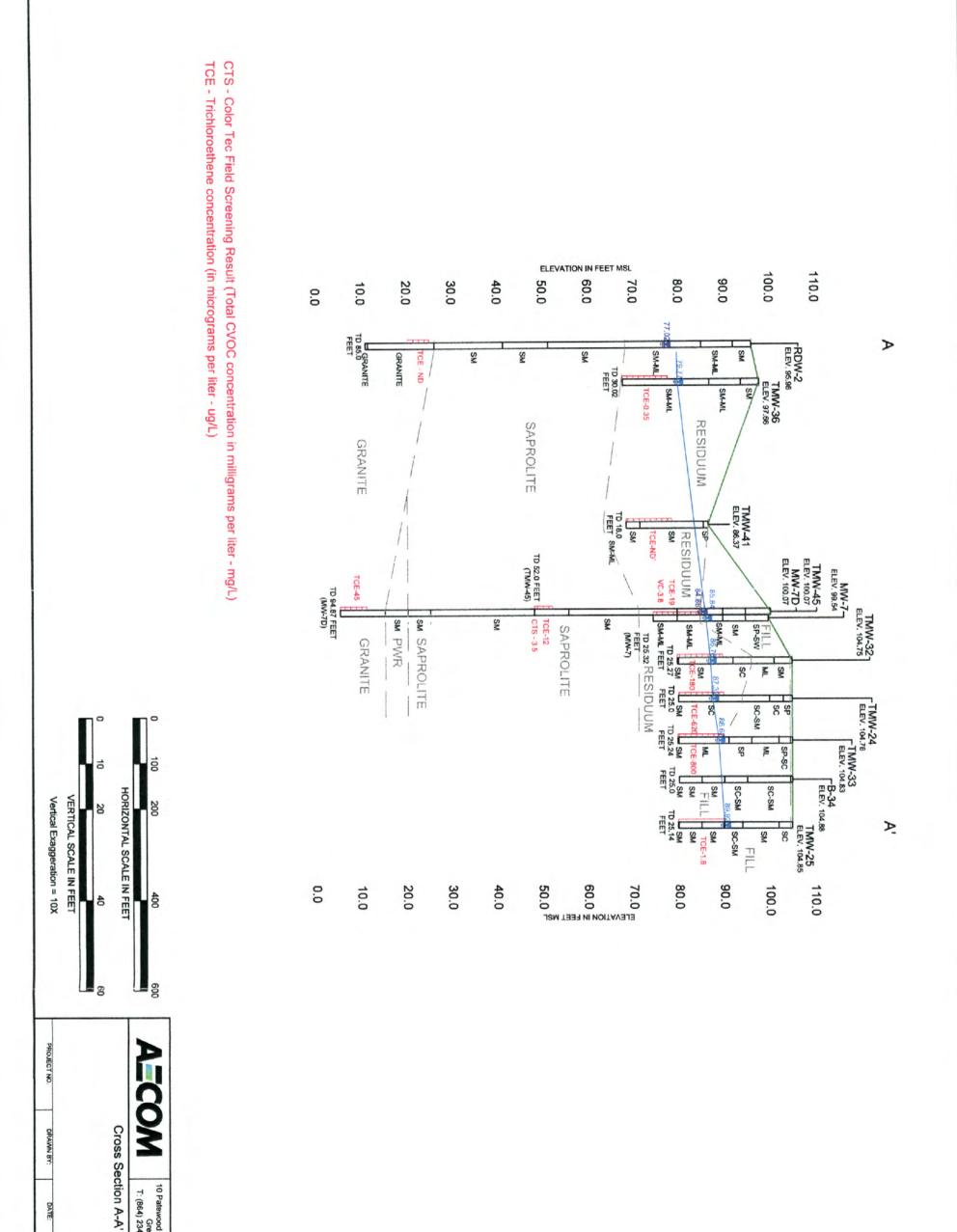
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- Elevated TCE concentrations are present in bedrock beneath the Site and to the west. Figure 15 show the locations of the TCE concentrations in bedrock well groundwater samples. Table 6 summarizes the results of the bedrock samples collected during this investigation.
- Results of chemical and biological testing for various parameters indicate natural degradation of the CVOCs is occurring beneath the Site. Table 7 summarizes the results of the limited testing performed at the Site to date for those parameters.
- Three of the water supply wells sampled during the investigative efforts have been found to contain TCE concentrations that exceed the drinking water standard. Figure 16 shows the locations of the water supply wells sampled during the investigative efforts. Table 8 summarizes the results of the water well sampling efforts performed to date.
- The CVOC cis-1,2 DCE was detected in surface water sample SW-1 only, at an estimated concentration of 0.51 ug/L. This sample was collected beyond the northwest edge of the northern property sampling grid. Table 9 summarizes the surface water sample analytical results. No other CVOCs were detected in the surface water samples.



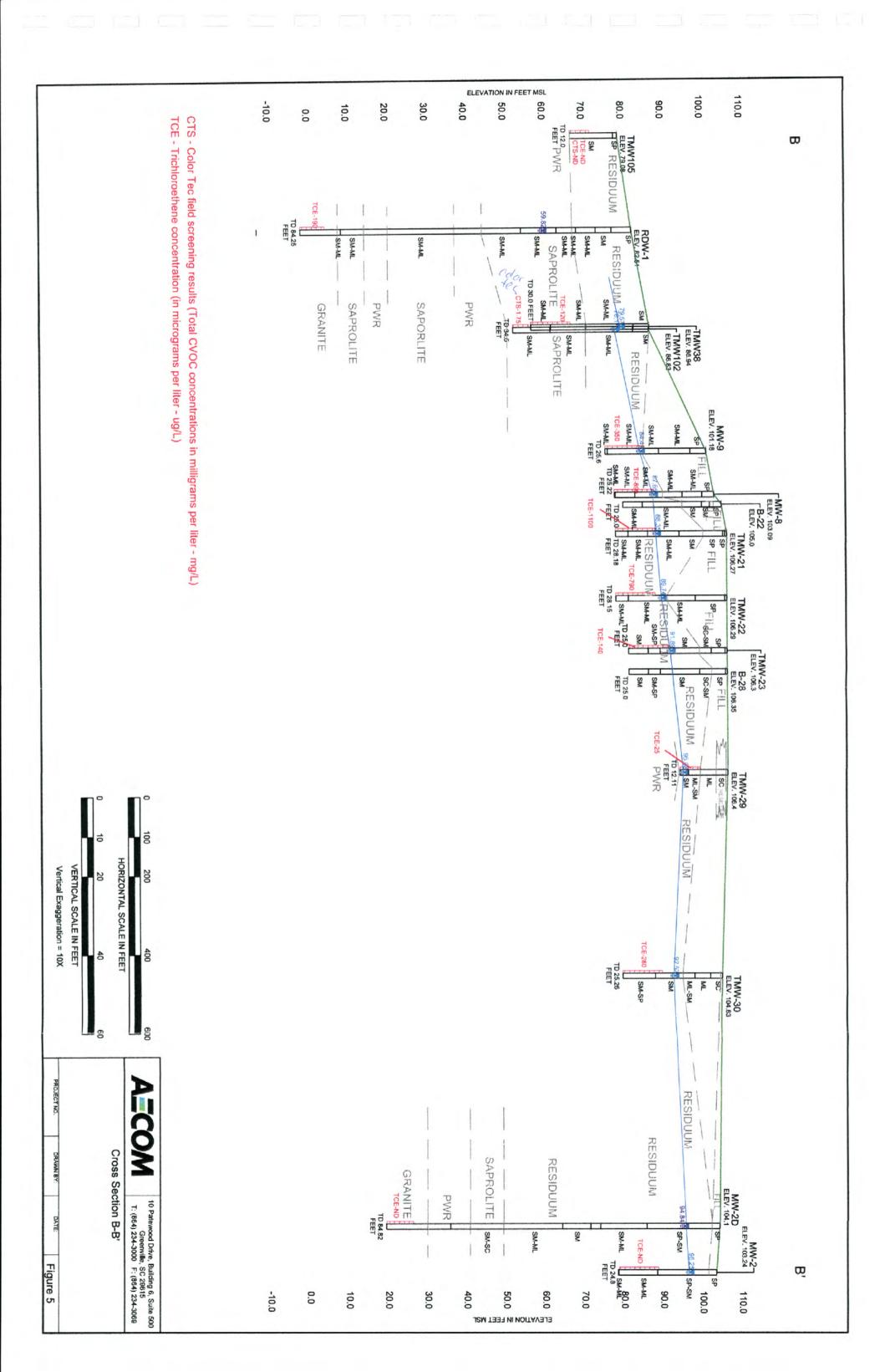
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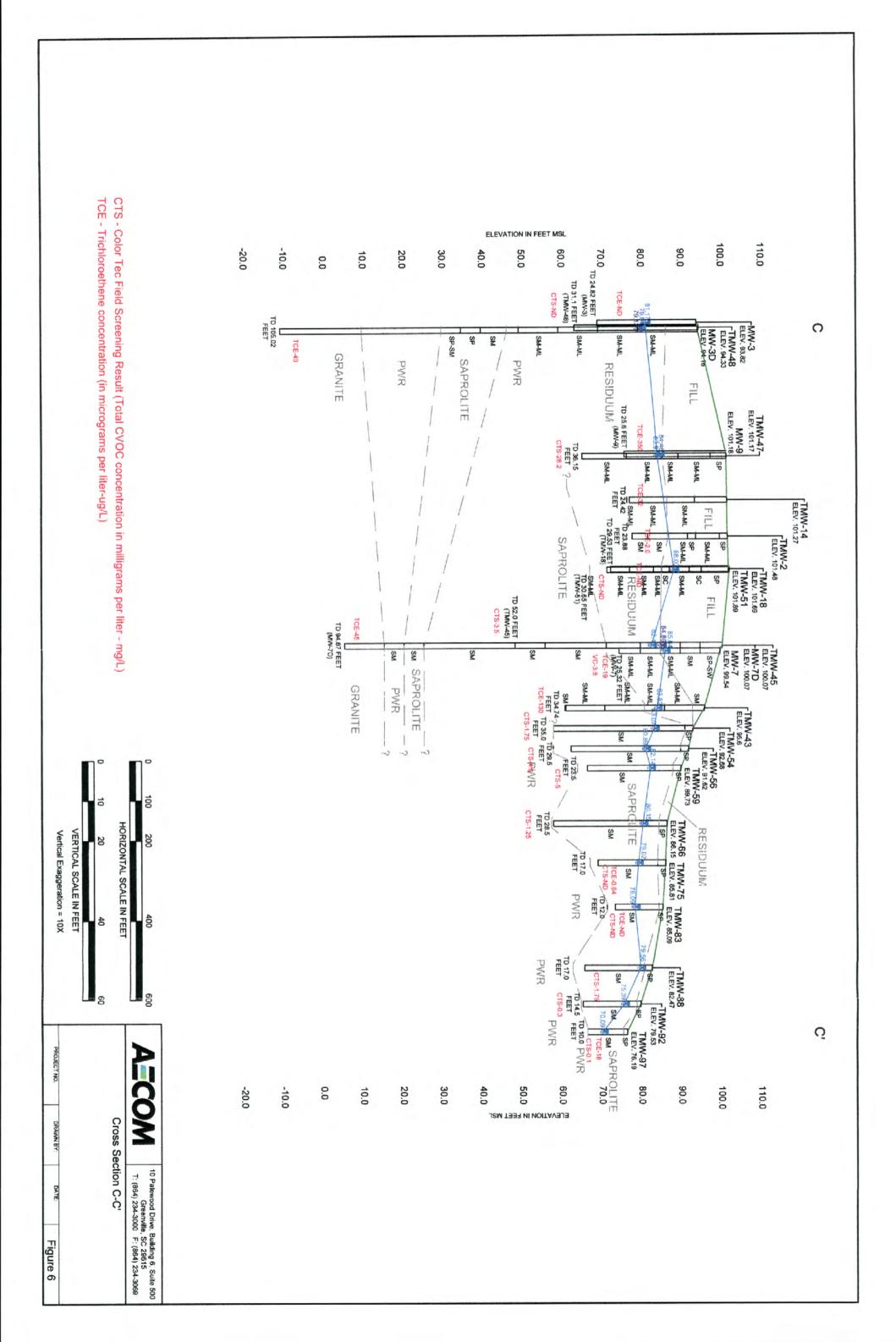


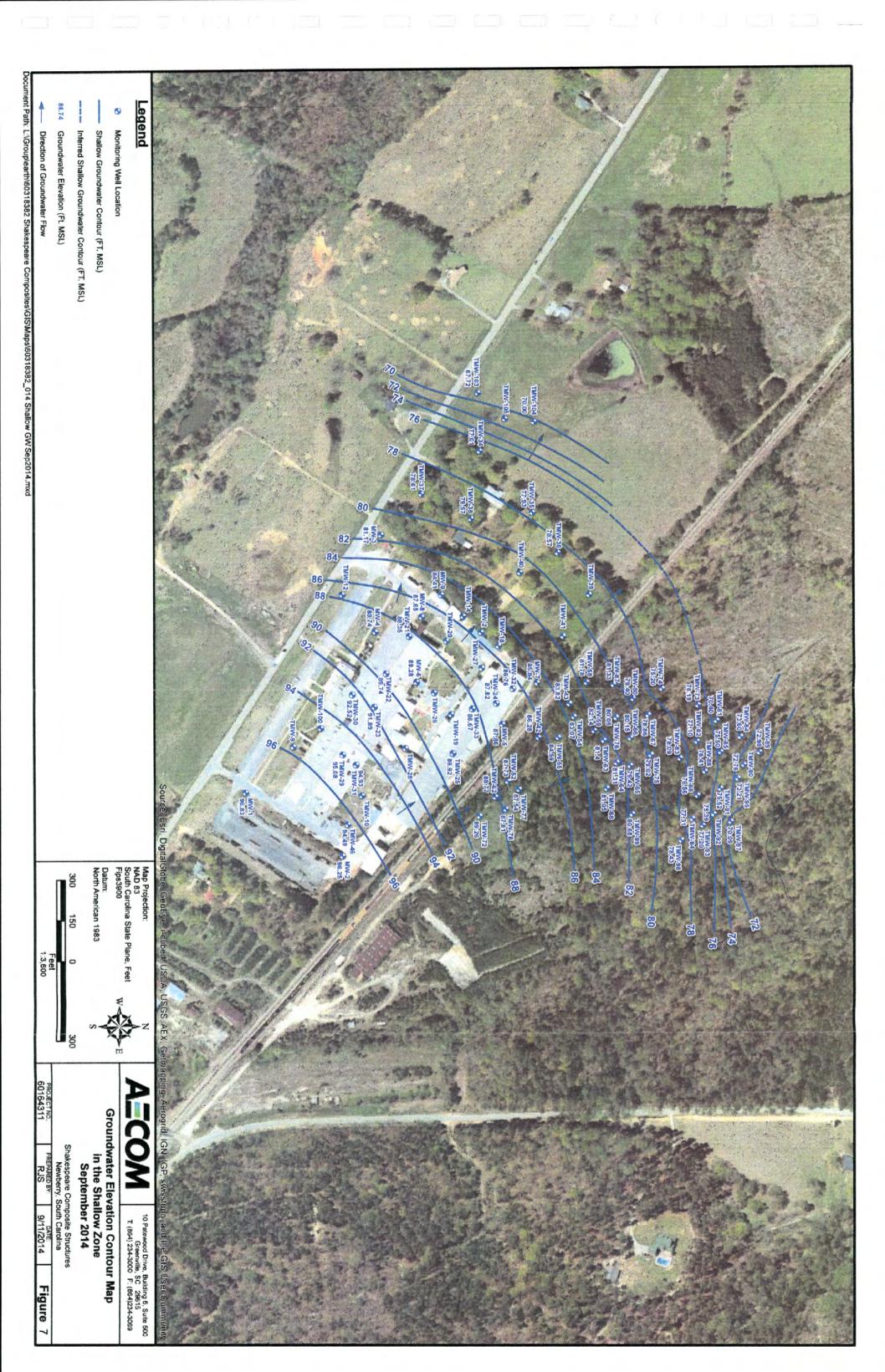


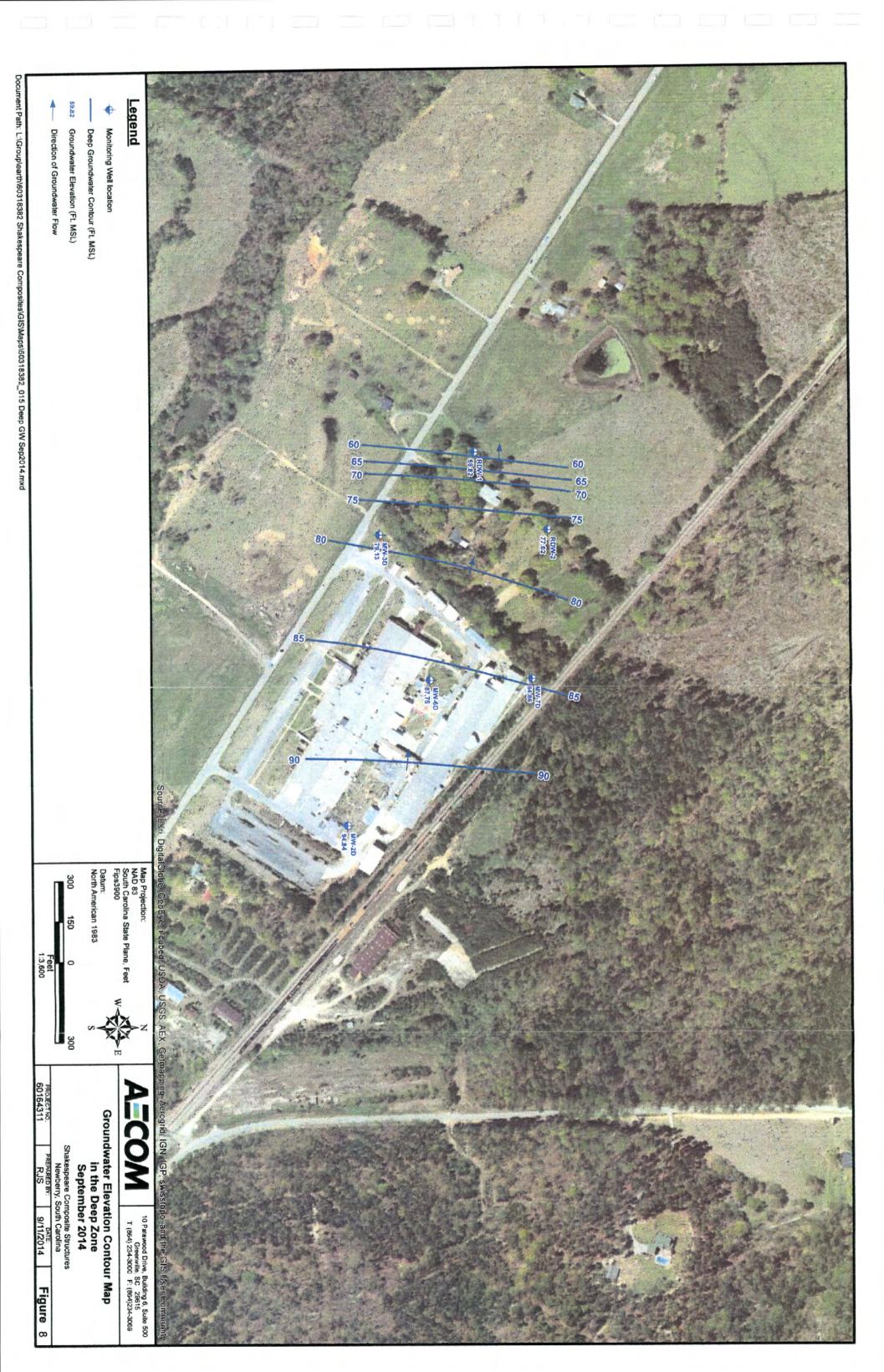
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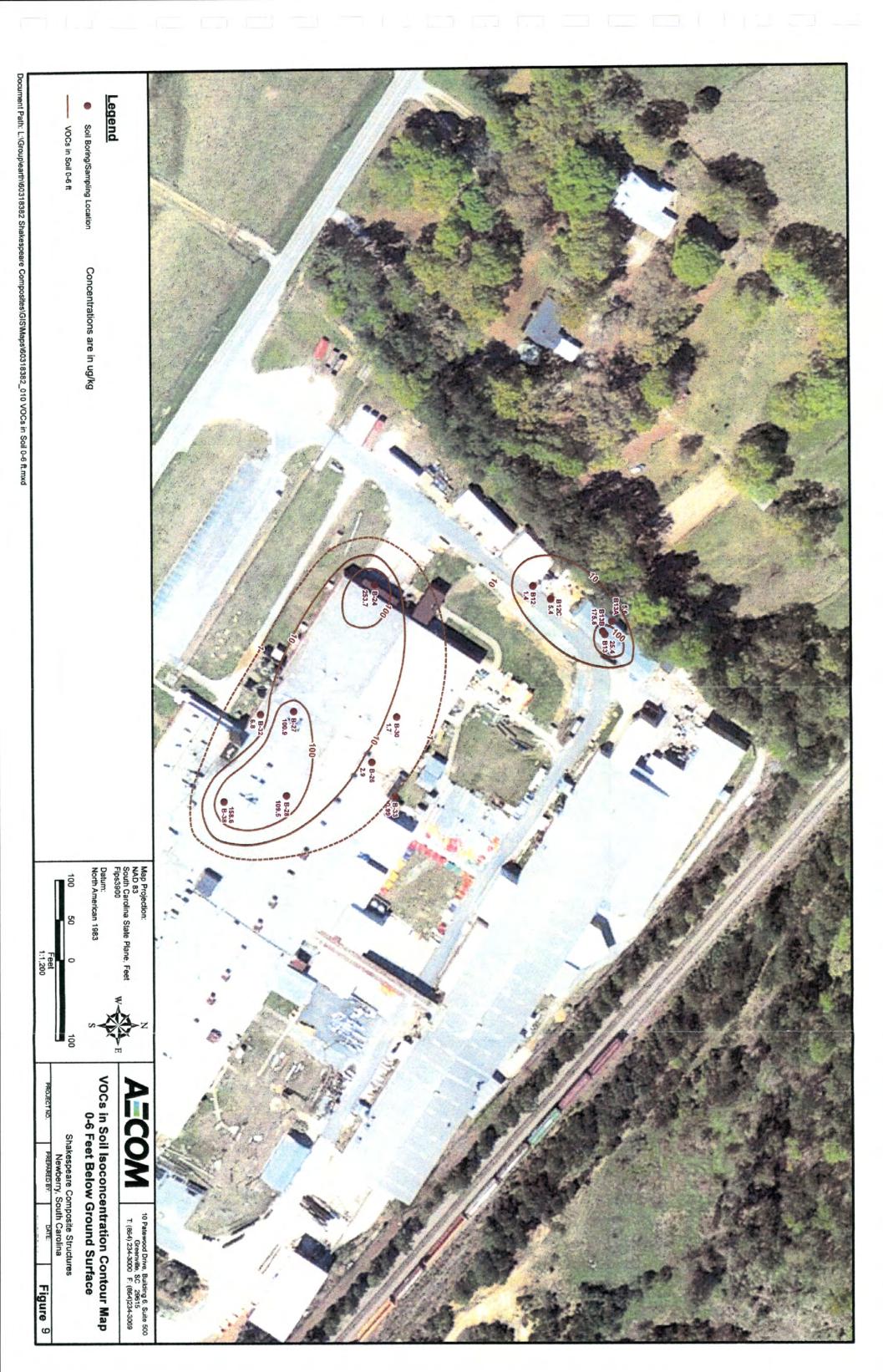
Figure 4

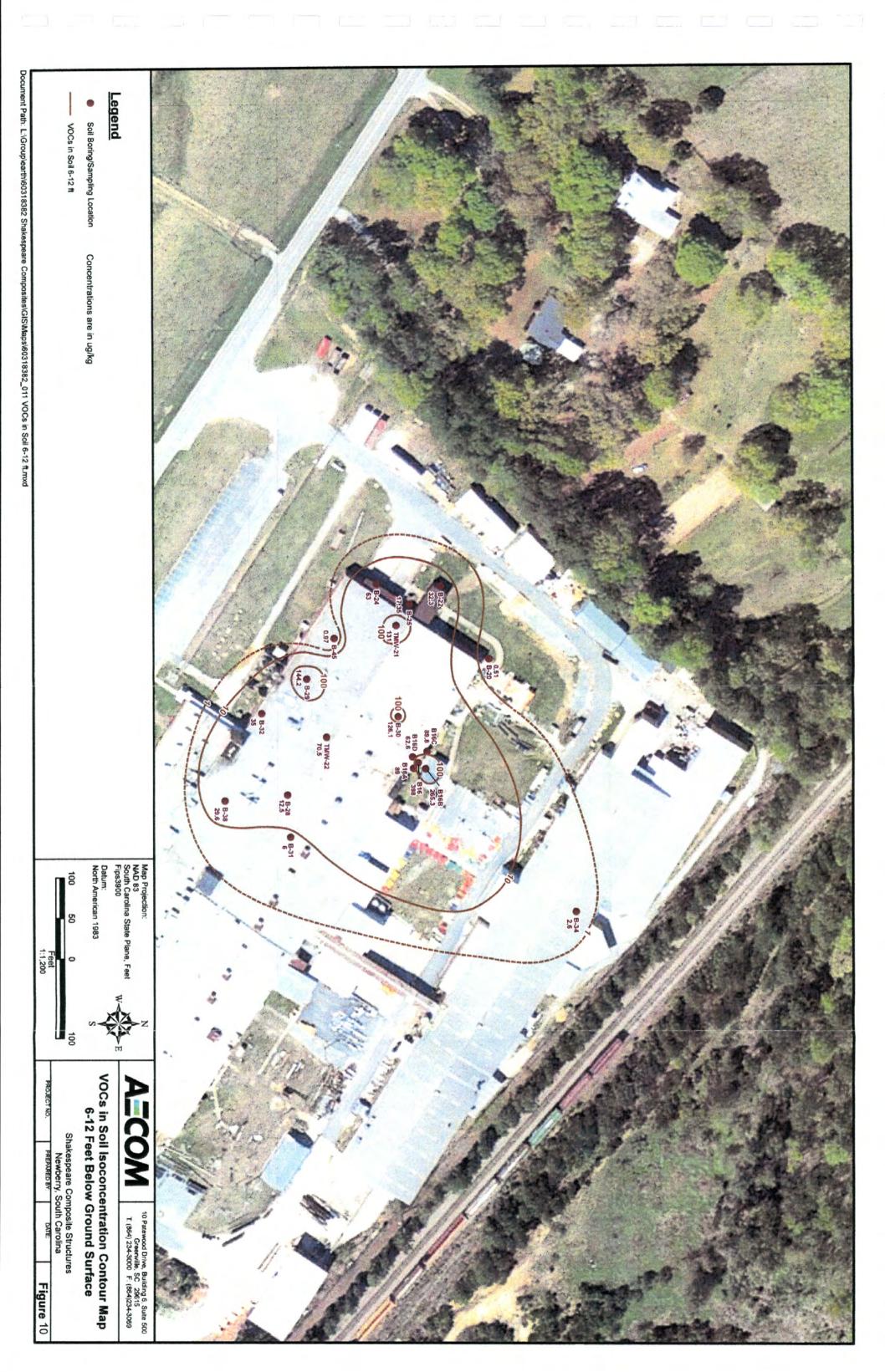


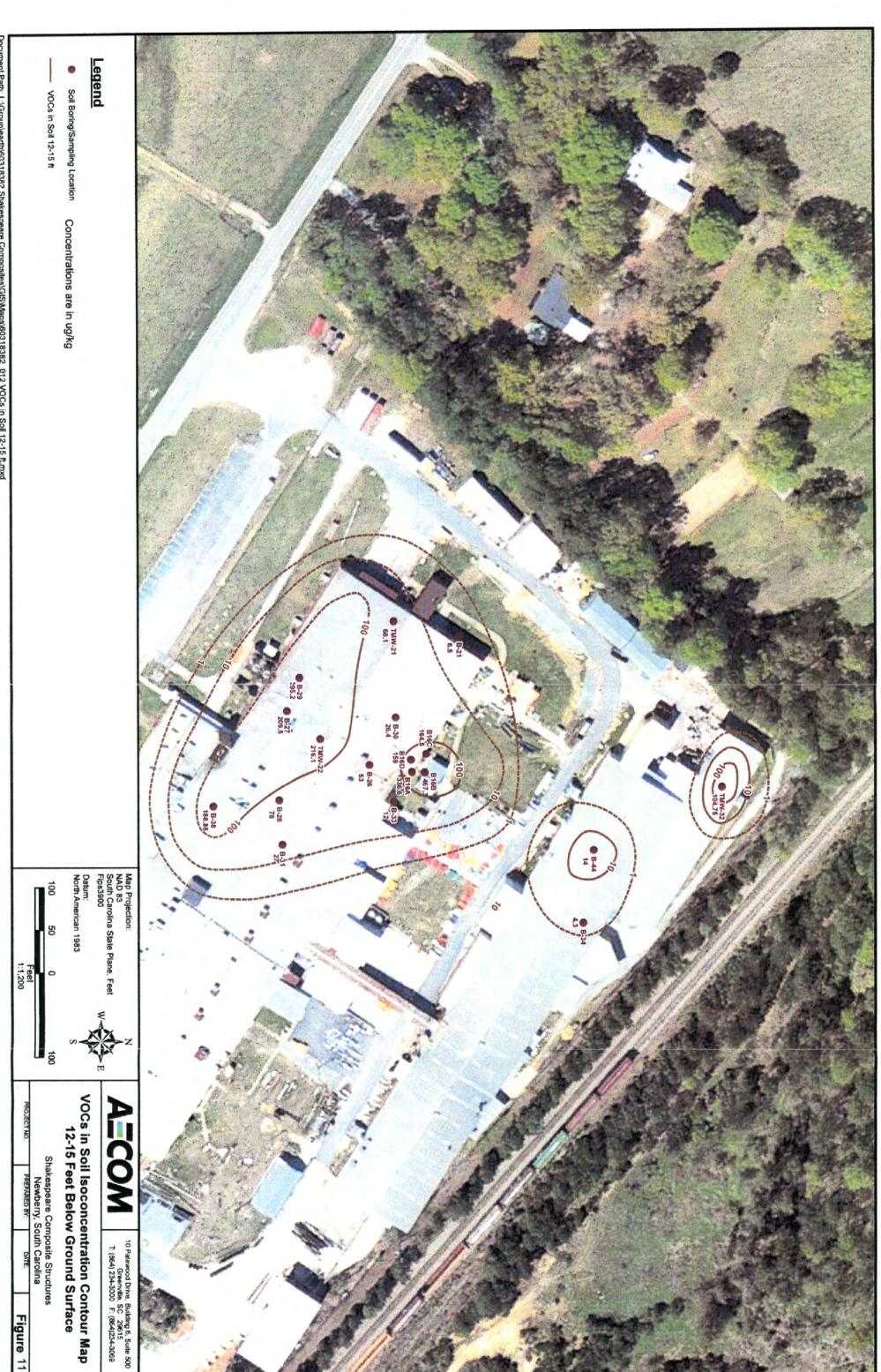




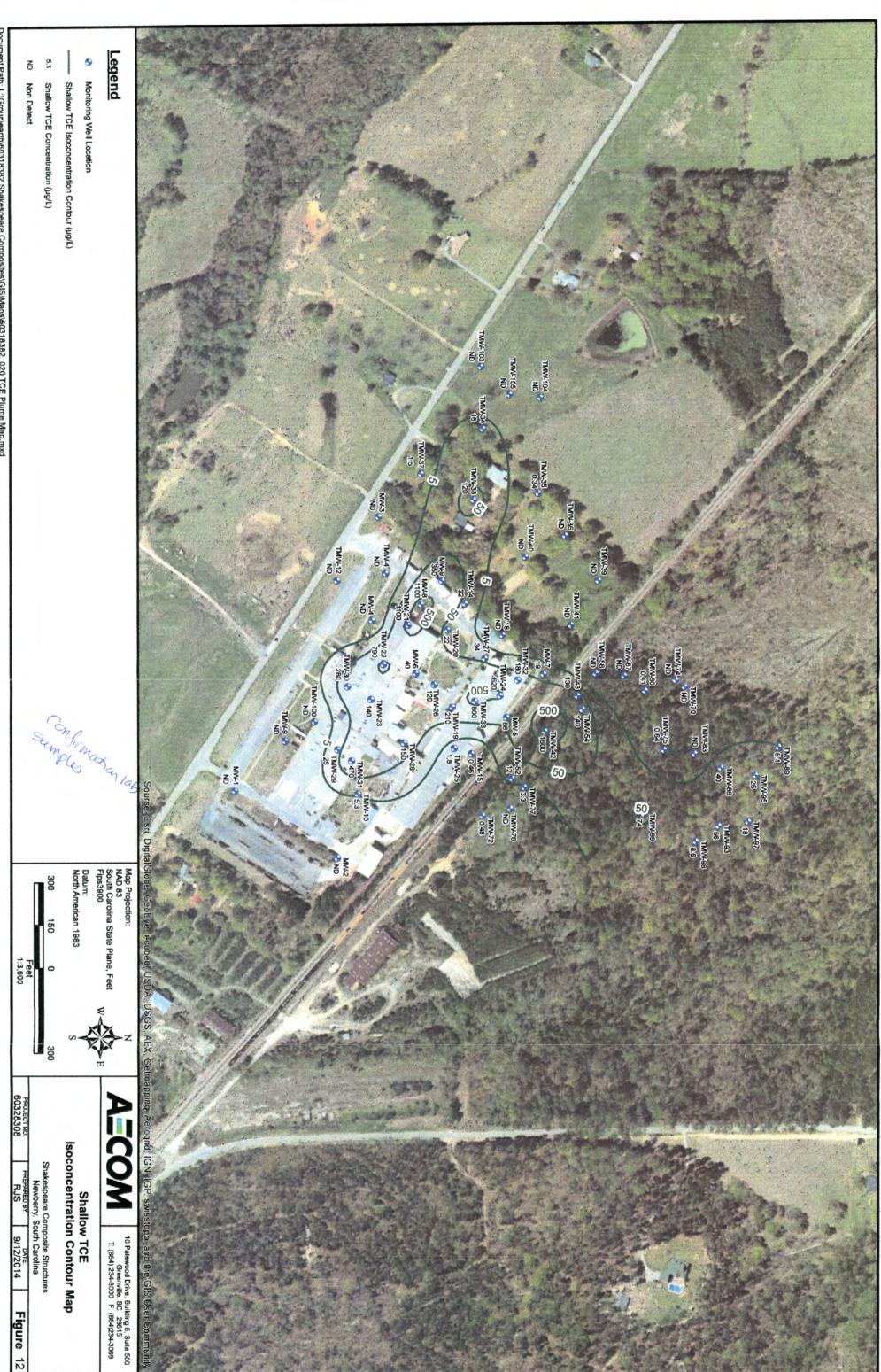






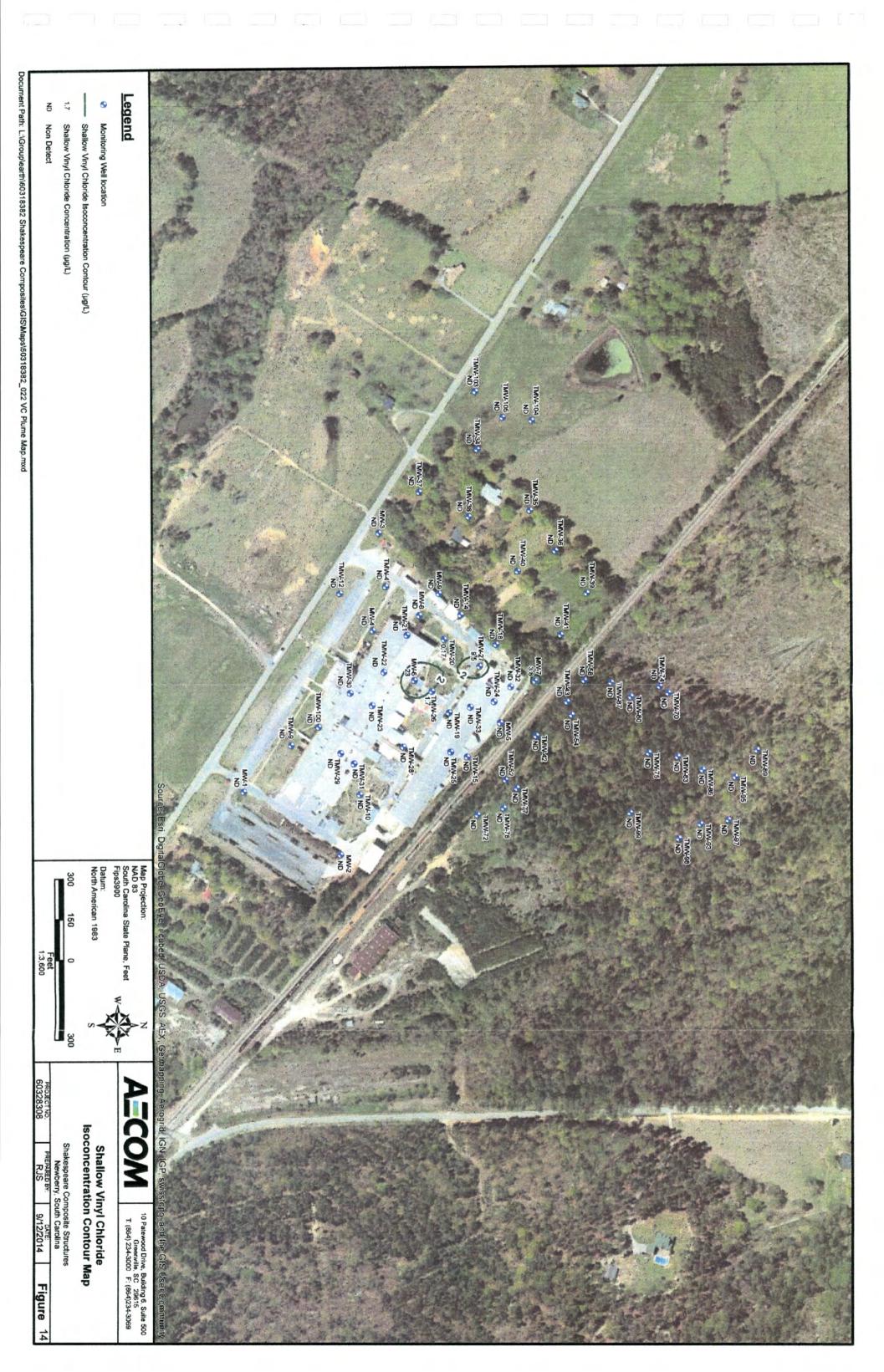


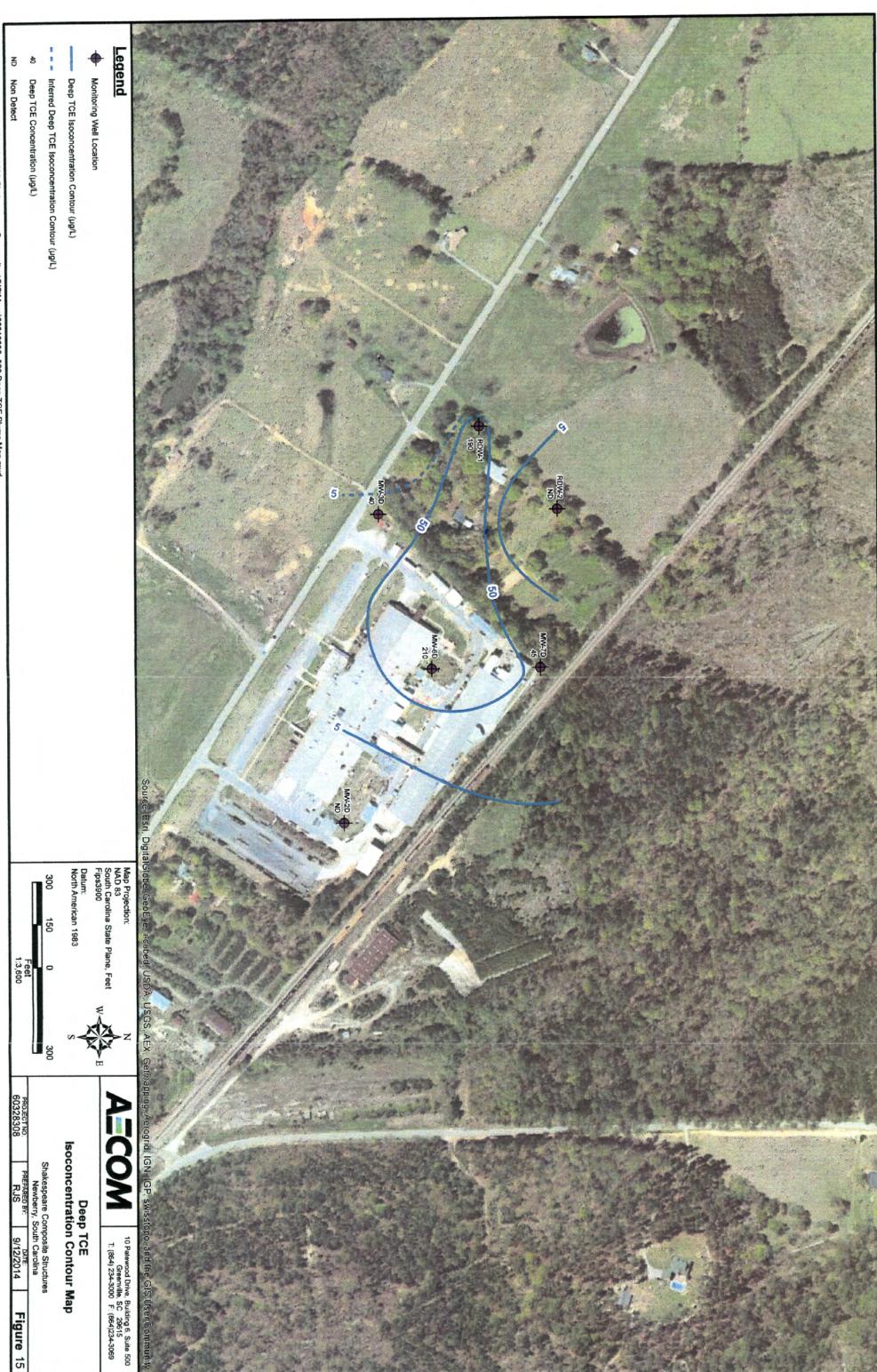
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TABLES

Table 1
Summary of Vokable Organic Compound Concentrations in Soil Samples From Other Areas
Shakespeare Composite Structures
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PD18034-008 B12D (5-6) 04/17/14 B12D (2-3) PD18034-007 04/17/14 PD18034-006 04/17/14 B12C (10-11) PD18034-005 04/17/14 B12C (4-5) Acetone AST Area PD18034-004 B12B (5-6) 04/17/14 PD18034-003 B12B (1-2) 04/17/14 B12A (5-6) PD18034-002 04/17/14 B12A (2-3) PD18034-001 04/17/14 Based 70 NS NS 1.6 NS 2.5 2.0 0.086 3.3 0.00014 0.089 0.0065 0.048 0.0021 0.46 1200 280 0.23 0.036 2.4 1.9 240 0.18 53 5900 0.061 0.17 13000 0.045 300 1.7 740 plattle Organic Compounds by USEPA Method 8260B (µg/kg 19000000 Date Collected Residential Industrial 670000000 1000000 1300000 26000000 110000 3500000 1300000 57000000 27000000 35000000 47000000 2300000 10000001 11000 290000 460000 0000066 210000 30000 1.2E+09 100000 5100 1300 2900 1400 8200 3200 370000 25000 2000 9 SS USEPA RSL 280000 230000 160000 00000059 57000 650 320 Sample ID Laboratory ID 2-Dibromo-3-chloropropane (DBCP) 1,2-Trichloro-1,2,2-Trifluoroethane fethyl tertiary butyl ether (MTBE) romomethane (Methyl bromide) Chloromethane (Methyl chloride) ,2-Dibromoethane (EDB) 1,2,2-Tetrachloroethane ans-1,3-Dichloropropene **Dichlorodifluoromethane** 2,4-Trichlorobenzene sis-1,3-Dichloropropene ans-1,2-Dichloroethene omodichloromethane Dibromochloromethane richlorofluoromethane -Methyl-2-pentanone is-1,2-Dichloroethene 1,2-Trichloroethane ,2-Dichlorobenzene 2-Dichloropropane ,3-Dichlorobenzene 4-Dichlorobenzene arbon tetrachloride 1-Dichloroethane 1-Dichloroethene ,2-Dichloroethane Butanone (MEK) fethylcyclohexane fethylene chloride etrachloroethene sopropylbenzene arbon disulfide richloroethene Thlorobenzene fethyl acetate 7 inyl chloride (ylenes (total) Moroethane yclohexane thylbenzene ппорото Chloroform cetone enzene tyrene oluene

Indicates not detected at the reporting limit indicated.

Estimated result < PQL and > MDL.

Bold text with gray background indicates parameter was detected in sample Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SSL). Table 1
Summary of Volatile Organic Compound Concentrations in Soil Samples From Other Areas Shakespeare Composite Shuctures
Newberry, SC

Sample ID	TICEDA DET	Der	Risk-	MCL-	B13A (2-3)	B13A (5-6)	B13B (3-5)	B13C (2-3)	B13C (5-6)
	Residential Industrial	Industrial	SSL	SSL	04/17/14	04/17/14	04/17/14	04/17/14	04/17/14
olatile Organic Compounds by USEP	USEPA Method 8260B (µg/kg	SOB (ug/kg)				Control of the last		The state of the s	
	8100000	36000000	2800	20	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
,1,2,2-Tetrachloroethane	009	2700	0.03	SN	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
,1,2-Trichloro-1,2,2-Trifluoroethane	400000000	1700000001	140000	SN	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
,1,2-Trichloroethane	1100	2000	0.089	1.6	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
,1-Dichloroethane	3600	16000	0.78	SN	< 4.5	< 4.5	5.6	< 4.5	< 4.8
,1-Dichloroethene	230000	1000000	100	2.5	< 4.5	< 4.5	< 4.2	× 4.5	× 4.8
1,2,4-Trichlorobenzene	24000	110000	3.3	200	< 4.5	< 4.5	< 4.2	< 4.5	× 48
2-Dibromo-3-chloropropane (DBCP)	53	2	0.00014	0 086	< 45	4 4 5	< 42	4.5	48
2-Dibromoethane (EDB)	36	160	0.0021	0.014	< 45	< 45	< 42	45	, A
2-Dichlorobenzene	1800000	030000	300	580	45	45	47	4 5	0 0
2-Dichloroethane	460	2000	0.048	14	45	4 5	4.5	24	0.4
2-Dichlorononane	1000	4400	0.15		45	4 4	4.5	24	0.4
3-Dichlorobenzene	N	SN	Ne	N	45	34	4.2	34	· ·
4-Dichloroborzone	0096	00011	940	5	24	**	7.7	5.	
Paramond ACK	_	000000	0000	71	7		7.4	C. 4	
2-Butanone (MEN)	5	2000000	0071	S	6	× ·	00 0	o 1	× 9.7
2-Hexanone	-	1300000	8.0	S	6 >	6	00	6 >	< 9.7
4-Methyl-2-pentanone	_	260000000	280	SS	6 >	6 >	> 8.4	6 >	< 9.7
Acetone	8	670000000	2900	SN	81 ×	8I V	35	Z	24
Benzene	1200	2100	0.23	5.6	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Bromodichloromethane	290	1300	0.036	22	< 4.5	< 4.5	< 42	< 4.5	< 4.8
Bromoform	00029	290000	2.4	21	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Bromomethane (Methyl bromide)	0089	30000	1.9	NS	< 4.5	< 4.5	< 4.2	< 4.5	4.8
Carbon disulfide	270000	3500000	240	NS	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Carbon tetrachloride	059	2900	0.18	1.9	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Chlorobenzene	280000	1300000	53	89	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Chloroethane	14000000	57000000	2000	SN	< 4.5	< 4.5	< 42	< 4.5	4.8
Chloroform	320	1400	0.061	22	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Chloromethane (Methyl chloride)	110000	460000	46	NS	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
cis-1,2-Dichloroethene	160000	2300000	=	21	< 4.5	< 4.5	170	< 4.5	× 4.8
cis-1,3-Dichloropropene	1800	8200	0.17	NS	< 4.5	< 4.5	< 4.2	× 4.5	× 4.8
Cyclohexane	0000059	27000000	13000	NS	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Dibromochloromethane	730	3200	0.045	21	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Dichlorodifluoromethane	87000	370000	300	NS	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Ethylbenzene	2800	25000	1.7	780	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Isopropylbenzene	1900000	0000066	740	NS	< 4.5	5.6	< 4.2	< 4.5	× 4.8
Methyl acetate	78000000	1.2E+09	4100	SN	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Methyl tertiary butyl ether (MTBE)	47000	210000	3.2	SN	< 4.5	< 4.5	< 4.2	< 4.5	4.8
Methylcyclohexane	NS	NS	SN	NS	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Methylene chloride	_	10000001	5.9	1.3	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Styrene	_	35000000	1300	110	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Tetrachloroethene	24000	1000001	5.1	2.3	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Toluene	_	47000000	092	069	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
trans-1,2-Dichloroethene	0	23000000	110	53	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
trans-1,3-Dichloropropene	1800	8200	0.17	NS	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Trichloroethene	-	0009	0.18	1.8	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
Trichlorofluoromethane	00	3100000	730	NS	< 4.5	< 4.5	< 4.2	< 4.5	× 4.8
Vinyl chloride	-	1700	0.0065	69.0	< 4.5	< 4.5	< 4.2	< 4.5	< 4.8
V.J. Arten	200000	0000000	000	0000	31	21	•		

< Indicates not detected at the reporting limit indicated.

J Estimated result < PQL and > MDL.

Bold text with gray background indicates parameter was detected in sample

Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SS)

Table 2 Summary of Volatile Organic Compound Concentrations in Soil Samples From Main Building Shakespeare Composite Structures Newberry, SC

North Side of Main Building outside dip vat area

Sample ID Laboratory ID Laboratory ID Date Collected Residential Industrial Date Compounds by USEPA Method 8260B (ue/kg)	ID USEPA RSL ted Residential Indus	RSL Industrial	Risk- Based SSL	MCL- Based SSL		B16A (7-8) PD18034-014 04/17/14	B16A (13-14) PD18034-015 04/17/14	B16B PD1803 04/18	(8-9) BI 14-016 PI 1/14	B16B (12-13) PD18034-017 04/18/14	B16C (9-10) PD18034-018 04/18/14		B16C (12-13) PD18034-019 04/18/14	B16C (12-13) B16D (8-9) PD18034-019 PD18034-020 04/18/14 04/18/14	B16D (8-9) B16D PD18034-020 PD180 04/18/14 04/	B16D (8-9) PD18034-020 04/18/14	B16D (8-9) B16D (12-13) B-33-6 B-33 PD18034-020 PD18034-021 PE28056-001 PE280 04/18/14 04/18/14 05/28/14 05/2	B16D (8-9) B16D (12-13) B-33-6 PD18034-020 PD18034-021 PE28056-001 04/18/14 04/18/14 05/28/14
stattle Organic Compounds by USE 1,1-Trichloroethane	SEPA Method 8 8100000	36000000	2800	70	٨	4.5	< 4.5		^	, 0	< 4.7	< 4.7		< 4.6	4.6	4.6	4.6 \ 3.8 \ \ 5 \ \ 4.4	4.6
2,2-Tetrachloroethane	600	2700	0.03	NS	٨	4.5	< 4.5		^	, 5	× 4.7	· 4.7		^ 4.6	4	4.6	4.6 1	4.6
1,2-Trichloro-1,2,2-Trifluoroethane	1100	5000	0.089	1.6	^ ^	4.5	^ 4.5	< 4.7	^ /	Un (< 4.7	< 4.7		< 4.6	4.6	4.6 < 3.8 <	4.6 < 3.8 < 5 < 4	4.6 < 3.8 < 5 < 4
,1-Dichloroethane	3600	16000	0.78	SN	٨	4.5		× 4.7	^ ^	n 0	× 4.1	۸ ۸	7 -	7 4.0		46	46	46
,1-Dichloroethene	230000	1000000	100	2.5	٨	4.5		1.4.7	. ,	n U	4.7	۸ ۱	1 .		46	46	46	46
2,4-Trichlorobenzene	24000	110000	0.00014	0.086	^ ^	4.5	^ 4.5	< 4.7 < 4.7	^ ^	5 0	^ 4.7	۸ /	4.7		4.6	4.6 < 3.8	4.6 < 3.8	4.6
2-Dibromoethane (EDB)		160	0.0021	-		4.5		× 4.7	. ^	n Un	· 4.7	۸ ۸	4.7	۸ ۸	۸ ۸	^ 4.6	4.6	^ 46
2-Dichlorobenzene	1800000	9300000	300	580	٨	4.5		· 4.7	\ \	n 0	4.4.7	^ ^	4.7	4.7 < 4.6	46	< 46 × 38	< 46 × 38	< 46 × 38
,2-Dichloroethane	460	2000	0.048	1.4	۸۸	4.5	^ 4.5	< 4.7	^ /	c, c	^ 4.7		< 4.7	^ /	< 4.6	A 4.6 A 3.8	< 4.6 < 3.8	< 4.6 < 3.8 < 5 < 4.8
,3-Dichlorobenzene	NS	NS	NS	NS	٨	4.5		< 4.7	. ^	n Un	A 4.7		< 4.7	< 4.7 < 4.6	١ ٨	· 4.6	× 4.6 × 3.8 ×	× 4.6 × 3.8 ×
,4-Dichlorobenzene	2600	11000	0.46	77	\ ^	4.5		1 4.7	^ /	10	A 94		× 95	٨	٨	< 9.2 < 7.7 < 9	< 9.2 < 7.7 <	< 9.2 < 7.7 <
2-Butanone (MEK)	27000000	190000000	1200	N N	^ ^	9.1	^ ^ 8.9	^ 9.4 9.4	^ /	10 10	× 9.4		× 9.5	^ /	^ /	< 9.2 < 7.7 <	< 9.2 < 7.7 < 9.9	< 9.2 < 7.7 < 9.9 < 9.6 < 9.9
2-Hexanone 1-Methyl-2-pentanone	5300000	56000000	280	NS	^ /	9.1		< 9.4	٨	10	< 9.4		< 9.5			230 < 7.7	230 < 7.7 < 9.9	230 < 7.7 < 9.9
Acetone	61000000	670000000		SN	1	a	^ 18	× 19	^ ^	50	< 47		< 4.7	< 4.7 < 4.6	^	^	^	4.6 4.6 4.8 4.8
Benzene	290	1300	0.036	22	۸ /	4.5	^ 45	< 4.7	^	5	< 4.7		< 4.7		4.6 < 3.	4.6 < 3.8	4.6 < 3.8	4.6 < 3.8 < 5 < 4.8
Bromoform	67000	290000	2.4	21	٨	4.5	< 4.5	< 4.7	^	S	< 4.7		< 4.7		4.6	4.6	4.6	4.6 < 3.8 < 5 < 4.8
Bromomethane (Methyl bromide)	6800	30000	1.9	NS NS	۸ ۸	4.5	^ ^ 4.S	× 4.7	^ ^	us us	< 4.7 < 4.7		< 4.7	< 4.7 < 4.6 < 4.6		4.6	4.6	4.6
Carbon disulfide	650	2900	0.18	1.9	٨	4.5		< 4.7	^	5	< 4.7		< 4.7	4	4.6 < 3.	4.6 < 3.8	4.6 < 3.8 < 5 < 4	4.6 < 3.8 < 5 < 4.8
Chlorobenzene	280000	1300000	53	68		4.5		× 4.7	^ ^	s 0	^ 4.7		× 4.7	< 4.7 < 4.6	4 4	4.6	4.6	4.6 < 3.8 < 5 < 4.8
Chloroethane	14000000	2000000	0.061	333	^ /	45	^ 45	< 4.7	^	S	< 4.7		< 4.7	4	4.6 < 3	4.6 < 3.8	4.6 < 3.8	4.6 < 3.8 < 5 < 4.8
Chloromethane (Methyl chloride)	110000	460000	49	NS	_	4.5		< 4.7	^	5	< 4.7		< 4.7	< 4.7 < 4.6	4.6 < 3	4.6 < 3	4.6 < 3.8 < 5 < 4	4.6 < 3.8 < 5 < 4.8
cis-1,2-Dichloroethene	160000	2300000	=	21		89	330	260		460	83		130	130 31		16	16	7 46 5 38 5 5 5 48
cis-1,3-Dichloropropene	650000	27000000	0.17	Z Z	۸ ۸	45	^ 4.5	^ 4.7	^ /	S	× 4.7		< 4.7	7 ^ 4	7 < 4.6 < 3	7 < 4.6 < 3.8	7 < 4.6 < 3.8 < 5 < 4	7 < 4.6 < 3.8 < 5 < 4
Dibromochloromethane	730	3200	_			4.5	A 4.5	× 4.7	^ ^	א ט	× 4.7		× 4.7	4 4	4.7	47 < 46 < 3	47 < 46 < 38	47 < 46 < 38 < 5 < 4.8
Dichlorodiffuoromethane Ethylhenzene	5800	25000	1.7	780	۸ .	4.5		< 4.7	^	S	< 4.7		< 4.7	< 4.7	< 4.7 54 280	80	^ 5	× 5 × 4.8
Isopropylbenzene	1900000	9900000		NS	_	4.5		· 4.7	\ \	n U	1 4.7		4.7	× 47 × 46	< 4.7 < 4.6 < 3.8	۸ /	A /	A /
Methyl acetate Methyl tertiary butyl other (MTBE)	78000000	210000	3.2	NS	^ ^	4.5	^ 4.5	< 4.7	^ -	S (< 4.7		< 4.7	4.7 <	4.7 < 4.6 < 3	4.7 < 4.6 < 3.8	4.7 < 4.6 < 3.8	4.7 < 4.6 < 3.8 < 5
Methylcyclohexane	57000 SN	10000000	2.9	1.3 NS	^ ^	4.5	۸ ۸ 4.5	< 4.7 4.7	^ /	Oi U	^ 4.7		× 4.7	< 4.7 < 4.6			A 33.8	A 33.8
Styrene	6000000	35000000		110		4.5		^ 4.7	1 1	n cn	× 4.7		< 4.7 < 4.7	< 4.7 < 4.6		4.6	4.6	46 4 38 4 5 4 48
Tetrachloroethene	4900000	47000000	760	690	^ /	4.5	^ 4.5	< 4.7	^	S, C	< 4.7		< 4.7	< 4.7 600	< 4.7 600 19	19	19 < 5	19 < 5 < 4.8
trans-1,2-Dichloroethene	1600000	23000000		29		4.5		5.3	7	7.3	× 4.7		< 7.3	< 47 < 46		4.6	4.6	46 4 38 4 5
trans-1,3-Dichloropropene	1800	8200	0.17	18	^ ^	45	^ 45	^ 47	^	cs c	4.8		7.2	7.2 5.6		< 3.8	< 3.8 < 5	< 3.8 < 5 < 4.8
Trichlorofluoromethane	730000	3100000	730	NS		4.5		< 4.7	7	5	< 4.7		< 4.7		4.7 < 4.6 < 3	4.7 < 4.6 < 3.8	4.7 < 4.6 < 3.8 < 5	4.7 < 4.6 < 3.8 < 5 < 4.8
Vinyl chloride	59	1700	0.0065	5 0.69	^	4.5	< 4.5			S	< 4.7				47 < 46 < 5	47 < 46 < 38	4.7 < 4.6 < 3.8 < 5	4.7 < 4.6 < 3.8 < 5 < 4
11.	000085	2500000	199	0000	5			^	. ^	,	70			< 4.7 < 4.6	4.7	060	470 400 × 400	470 960 < 5 < 4.8 < 5

Indicates not detected at the reporting limit indicated.
 J Estimated result < PQL and > MDL.
 Bold text with gray background indicates parameter was detected in sample
 Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SSL).

						on of Main Building	ding										
	Sample ID	HEEDA	PCI	Risk-	MCL-	B-31-4			-	B-32-7 PE27053-005	B-32-11 PE27053-007	B-32-16 PE27053-006	B-40-4 PE04097-001	B-40-10 PF04097-002	B-40-14 PF04097-003	B-45-6 PF05058-007	B-45-10 PF05058-008
Column C	Date Collected	Residential	Industrial	SSL	SSL	05/27/14	_		-	05/27/14	05/27/14	05/27/14	06/04/14	06/04/14	06/04/14	06/05/14	06/05/14
	datile Organic Compounds by USEP.	A Method 82	60B (µg/kg)												200		
Marie Mari	.1-Trichloroethane	8100000	36000000	2800	70	< 5.9			< 5.6	< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	4	۸, ۵
Marie Mari	2.2-Tetrachloroethane	_	2700	0.03	NS	S			< 5.6	< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	4	^ 5
1100 1000	-	_	70000000	140000	SN					< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	4	^ 5
	- Independent	_	5000	0.089	1.6	< 5.9			5			< 9.4	< 250	< 260	< 290	4	^ 5
Decimal Diazon	1_Dichloroethane	3600	16000	0.78	NS	< 5.9						< 9.4	< 250	< 260	< 290	4	^ 5
Horison Hori	Dishlorosthene	230000	1000000	100	2.5	< 5.9		5		< 7.9		< 9.4	< 250	< 260	< 290	4	^ 5
Fig.	A Trichlarchenzene	24000	110000	ند	200	< 5.9		5	< 5.6	< 7.9		< 9.4	< 250	< 260	< 290	< 4.9	< 5
No. 1001 1	1-Dibromo-3-obloropropane (DBCP)	53	2	0.00014	0.086	< 5.9		5				< 9.4	< 250	< 260	< 290	< 4.9	^ 5
Namion Spanon S	2-Dibromoethane (EDB)	36	160	0.0021	0.014	< 5.9		5		< 7.9		< 9.4	< 250	< 260	< 290	< 4.9	^ 5
Auto	2-Dichlorobenzene	1800000	9300000	300	580	5		< 5.5	< 5.6	< 7.9		< 9.4	< 250	< 260	< 290	. 4	^ 5
	2-Dichloroethane	460	2000	0.048	1.4	5			< 5.6			< 9.4	< 250	< 260	< 290	4	^ 5
NN	2-Dichloropropane	1000	4400	0.15	1.7				< 5.6			< 9.4	< 250	< 260	< 290	. 4	. ^
24000 10000 1200	3-Dichlorobenzene	SN	SN	SN	SN				< 5.6			· 9.4	< 250	< 260	< 290	4	
20000000 19000000 1900 NS C 12 C 91 C 11 C 11 C 12 C 92 C 93 C 93 C 93 C 94 C	4-Dichlorobenzene	2600	11000	0.46	72				< 5.6	7.9		× 9.4	< 250	< 260	2 290	4.9	50
Mathematical Planton	Butanone (MEK)	_	190000000	1200	SNS			^	==	7.9		10	A 500	× 520	4 580	0.0	100
National Political Polit	Hexanone	200000	1300000	8.8	N N			^ /	^ /			< 19	< 500	< 520	< 580		
	Methyl-2-pentarione		670000000	2900	SS			< 22	16		30 J//	19 J//	< 1000	< 1000	< 1200		40 /J/E
	ecconc.	_	5100	0.23	2.6			< 5.5	< 5.6	< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	< 4.9	^ 5
	omodichloromethane	290	1300	0.036	22			< 5.5	< 5.6	< 7.9		< 9.4	< 250	< 260	< 290	4	^ 5
Mathematical National Mathematical National National National National Mathematical National National National National Mathematical National Nation	romoform	67000	290000	2.4	21			< 5.5	< 5.6	< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	4	^ 5
770000 770000 770000 770000 770000 770000 770000 770000 770000 770000 770000 770000 7700000 7700000 7700000 7700000 7700000 7700000 7700000 7700000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 770000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 77000000 770000000 77000000 77000000 77000000 77000000 770000000 77000000 77000000 77000000 770000000 770000000 770000000 770000000 770000000 770000000 770000000 7700000000	romomethane (Methyl bromide)	6800	30000	1.9	SN	. 01		× 5.5	× 5.6	< 7.9	< 9.6	1 4 9.4	< 250	< 260	^ 290	4.4	h 0
Mathematical Math	arbon disulfide	770000	3500000	240	S	, ,		7 5.5	5.0	70	06.0	04	< 250	< 260	× 290	< 40	^ .
1,20000 1,20	arbon tetrachloride	650	2900	81.0	60	, 0		1 22	, ,		1 96	× 94	< 250	< 260	< 290	< 4.9	۸ ، د د
helhoride) 13000 14000 1400 1601 22 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 2.50 < 2.6 < 9.0 < 4.9 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 2.50 < 2.6 < 9.0 < 4.9 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 2.50 < 2.6 < 9.0 < 4.9 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 2.5 < 2.6 < 9.0 < 4.9 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 2.5 < 2.6 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2.5 < 2	hlorobenzene	14000000	57000000	5900	NS 8	5		< 5.5	< 5.6		< 9.6	< 9.4	< 250	< 260	< 290	< 4.9	^ 5
chlaride) 110000 460000 49 NS < 5.9 < 4.6 < 5.5 6.63 2.79 < 9.6 < 9.4 < 250 < 2.90 < 4.9 < 4.9 < 9.6 9.9 < 250 < 2.90 < 2.90 < 4.9 < 9.6 9.4 < 250 < 2.90 < 2.90 < 4.9 < 9.6 9.4 < 250 < 2.90 < 4.9 < 9.6 9.9 < 4.9 < 9.6 < 9.4 < 2.90 < 2.90 < 4.9 < 9.6 < 9.4 < 2.90 < 2.90 < 4.9 < 5.9 < 4.6 < 5.5 < 5.5 < 7.9 < 9.6 < 9.4 < 2.90 < 4.9 < 5.5 < 5.5 < 5.5 < 7.9 < 9.6 < 9.4 < 2.20 < 2.90 < 4.9 < 5.5 < 5.5 < 7.9 < 9.6 < 9.4 < 2.90 < 4.9 < 5.5 < 5.5 < 5.5 < 7.9 < 9.6 < 9.4 < 2.90 < 4.9 < 5.5 < 5.5 < 7.9 < 9.6 < 9.4 < 2.90 < 2.90 < 4.9 < 5.5	hloroform	320	1400	0.061	22	< 5.9	< 4.6	< 5.5	S			< 9.4	< 250	< 260	< 290	< 4.9	^ 5
	hloromethane (Methyl chloride)	110000	460000	49	NS	5	< 4.6	< 5.5	5	< 7.9	9	< 9.4	< 250	< 260	< 290	< 4.9	< 5
	s-1 2-Dichloroethene	160000	2300000	=	21	S	< 4.6	< 5.5	6.8	25	43	39	< 250	< 260	< 290	< 4.9	0.97 J//
	s-1 3-Dichloropropene	1800	8200	0.17	SN	s		< 5.5		< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	< 4.9	^ 5
70 3200 0045 21 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 250 < 260 < 290 < 4.9 < 5.9 < 4.6 5.5	yclohexane	6500000	27000000	13000	NS	S	< 4.6	< 5.5	< 5.6				< 250	< 260	< 290	< 4.9	. ^
Reful Refull Re	ibromochloromethane	730	3200	0.045	21	S	< 4.6	< 5.5	< 5.6				< 250	< 260	< 290	4.9	, ,
1,000 1,1 1,00 1,00 1,1 1,00 1,1 1,00 1,1 1,00 1,1 1,00	ichlorodifluoromethane	87000	370000	300	SN	, 0	A 4.6	^ >	A 5.6			× 94	< 250 < 250	< 260	< 290	× 4.9	۸ / د د
ne 1900000 2900000 440 NS 5.3 4.6 5.3 4.6 5.3 4.6 5.3 4.6 5.3 4.6 4.6 5.3 4.6 4.6 5.3 4.6 4.9 4.6 4.6 4.9 4.6 4.9 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.9 4.6 4.9 4.6 4.9 4.6 4	thylbenzene	5800	25000	1.7	780	2 2.9	4.0		^ 56			^ 94	< 250	< 260	< 290	× 49	۸ ,
butyl ether (MTBE) 1,000,0000 1,200,0000 1,200,0000 1,200,0000 1,200,0000 1,200,0000 1,200,0000 1,200,0000 2,00 < 4,6 < 5,5 < 4,6 < 5,5 < 4,6 < 5,5 < 4,6 < 5,5 < 5,6 < 7,9 < 9,6 < 9,4 < 250 < 200 < 4,9 < 5,9 value NS	sopropyibenzene	1900000	0000000	4100	N N	^ 50	^ 46	^ 55	A 5.6			× 9.4	< 250	< 260	< 290	< 4.9 /J/E	5
NS N	tethyl tertiary butyl ether (MTBE)	47000	210000	3.2	NS S	< 5.9	× 4.6		< 5.6			< 9.4	< 250	< 260	< 290	< 4.9	s
write 57000 1000000 2.9 1.3 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 2.90 < 2.90 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 < 4.9 <th< td=""><td>tethylcyclohexane</td><td>NS</td><td>SN</td><td>NS</td><td>SN</td><td>< 5.9</td><td>< 4.6</td><td></td><td>< 5.6</td><td></td><td></td><td>× 9,4</td><td>< 250</td><td>< 260</td><td>< 290</td><td>· 4.9</td><td>^ 5</td></th<>	tethylcyclohexane	NS	SN	NS	SN	< 5.9	< 4.6		< 5.6			× 9,4	< 250	< 260	< 290	· 4.9	^ 5
ene 6000000 3500000 110 4.8 JJJ 8.2 3.4 JJJ 4.0 JJJ 2.20 2.	1ethylene chloride	57000	1000000	2.9	1.3	< 5.9	٨	٨	< 5.6	٨		< 9.4	^ 250	× 260	200	4.9	^ 3
ene 24000 100000 751 2.3 7.5 7.	tyrene	6000000	35000000	1300	110		· III	1	4	100	100	^ 94	< 250	< 260	< 290	× 4.9	^ 5 M
4500000 47000000 47000000 170	etrachloroethene	24000	100000	3.1	600								< 250	< 260	< 290	< 4.9	^
order later 1800 8200 0.17 NS < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 lonopropene 180 6000 0.18 1.8 < 5.9 6 27 < 5.6 10 14 13 < 250 < 260 < 290 < 4.9 smethane 730000 3100000 730 NS < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 smethane 59 1700 0.0065 0.69 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 smethane 59 1700 0.0065 0.69 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 smethane 59 1700 0.0065 0.69	oluene	1600000	23000000	110	29				S				< 250	< 260	< 290	< 4.9	^ 5
e 940 6000 0.18 1.8 < 5.9 6 27 < 5.6 10 14 13 < 250 < 260 < 290 < 4.9 smethane 730000 730 NS < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 < 9.6 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 < 9.6 < 9.6 < 9.6 < 9.4 < 250 < 260 < 290 < 4.9 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9.6 < 9	ans-1 3-Dichloropropene	1800	8200	0.17	SN				5	< 7.9	< 9.6	< 9.4	< 250	< 260	< 290	< 4.9	^ 5
by summer bane 730000 3100000 730 NS < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 59 1700 0.0065 0.69 < 5.9	richloroethene	940	6000	0.18	1.8		6	27	< 5.6	10	14	13	< 250	< 260	< 290	< 4.9	^ 5
59 1700 0.0065 0.69 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 580000 2500000 190 9800 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 290 ·	richloroflioromethane	730000	3100000	730	SN		< 4.6	1		< 7.9			< 250	< 260	< 290	< 4.9	^ 5
\$80000 2500000 190 9800 < 5.9 < 4.6 < 5.5 < 5.6 < 7.9 < 9.6 < 9.4 < 250 < 260 < 3.5	(invl chloride	59	1700	0.0065	0.69				< 5.6				< 250	< 260	< 290	< 4.9	^ 5
THOUGH WANDAMAN TO THE TOTAL TOTAL TO THE TO	Vylenes (total)	580000	2500000	190	9800				< 5.6				< 250	< 260	< 290	< 4.9	< 5

Indicates not detected at the reporting limit indicated.
 J Estimated result < PQL and > MDL.
 Bold text with gray background indicates parameter was detected in sample
 Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S.

Table 2 Summary of Volatile Organic Compound Concentrations in Soil Samples From Main Building Shakespeare Composite Structures Newberry, SC

						Main Building						
Sample ID			Risk-	MCL	B-39-4	B-39-6	B-39-8	B414	B-41-8	B-41-14	TMW-29-6	TMW-29-9
Laboratory ID Date Collected	USEP,	Industrial	Based	Based	PF03066-006 06/03/14	PF03066-007	PH03066-008	06/04/14	06/04/14	06/04/14	06/03/14	06/03/14
Volatile Organic Compounds by USEPA Method 8260B (ug/kg	PA Method 8	260B (µg/kg								250		
1,1,1-Trichloroethane	8100000	36000000	2800	N 70	^ 55	^ 5.1	^ ^ 5.4	< 280	< 230	< 250	^ 5.2	^ ^ S
11 1 2-Trichloro-1 2 2-Trifluoroethane	40000000	170000000	140000	SN	< 5.5	< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
1.1.2-Trichloroethane	1100	5000	0.089	1.6	< 5.5	< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
1,1-Dichloroethane	3600	16000	0.78	SN		< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
1,1-Dichloroethene	230000	1000000	100	2.5	S	< 5.1	× 5.4	< 280		< 250	× 5.2	· 5.3
1,2,4-Trichlorobenzene	24000	110000	3.3	200		5.1	A 5.4	< 280	< 230	050		
1,2-Dibromo-3-chloropropane (DBCP)	¥ 53	2 2	0.00014	0.086	^ ^ 55	^ 5.1	^ 5.4 5.4	< 280	< 230	< 250	< 5.2	^ / 53
1 2-Dichlorobenzene	1800000	9300000	300	580	un s	< 5.1	× 5.4	< 280		< 250	< 5.2	< 5.3
1.2-Dichloroethane	460	2000	0.048	1.4		< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
1,2-Dichloropropane	1000	4400	0.15	1.7		× 5.1	× 5.4	< 280		< 250	× 5.2	A 5.3
1,3-Dichlorobenzene	NS	SN	SN	S			^ 5.4	× 280		V 250	1 0 0 1	A 0.5
1,4-Dichlorobenzene	2600	00011	1200	NS 12	^ 3.3	× 10	^ 5.4	095 >	< 450	< 500 < 500	^ 10	^ / = {
2-Butanone	2000000	1300000	8.8	SN				< 560		< 500		^ 11
4-Methyl-2-pentanone	5300000	56000000	280	SN	< 1I					< 500	< 10	^ =
Acetone	61000000	670000000	2900	SNS	< 55 J//	< 51 J//	< 22 < 54	× 1100	< 230	< 250	< 52	< 5.3
Bromodichloromethane	290	1300	0.036	22	× 5.5	< <u>5.1</u>		< 280		< 250	< 5.2	< 5.3
Bromoform	67000	290000	2.4	21	< 5.5	< 5.1		< 280		< 250	< 52	A 5.3
Bromomethane (Methyl bromide)	6800	30000	240	N N	^ 55	^ ^	^ 5.4 5.4	< 280	< 230	< 250	< 52	^ 5.3
Carbon tetrachloride	650	2900	0.18	1.9	< 5.5	< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Chlorobenzene	280000	1300000	53	68	× 5.5	< 5.1	< 5.4	< 280	< 230	< 250	< 52	× 5.3
Chloroethane	14000000	57000000	5900	SN		× 5.1	× 5.4	< 280		× 250	, ,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Chloroform (Mathed chloride)	320	460000	0.061	N L	^ ^ 55	A A	× 5.4	< 280	< 230	< 250	< 5.2	^ 5.3
cis-1.2-Dichloroethene	160000	2300000	=	21		< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
cis-1,3-Dichloropropene	1800	8200	0.17	NS	< 5.5	< 5.1	< 5.4	< 280	< 230	< 250	5	× 5.3
Cyclohexane	6500000	27000000	13000	SN		^ 5.1	A 5.4	< 280	< 230	< 250	^ ^ 32	^ ^
Dichlorodifluoromethane	87000	370000	300	SN 14	^ 5.5	< 5.1	× 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Ethylbenzene	5800	25000	1.7	780		< 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Isopropylbenzene	1900000	9900000	740	NS	< 5.5	< 5.1		< 280	1	< 250	× 5.2	× 5.3
Methyl acetate	78000000	1200000000	4100	N NS	^ 5.5	^ ^ 5.1	^ ^ 5.4	< 280	< 230	< 250	^ 5.2	^ ^ 5.3
Methylcyclohexane	NS	SN	SN	NS		× 5.1	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Methylene chloride	57000	1000000	2.9	1.3	S	< 5.1	× 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Styrene	6000000	35000000	5 1	23	< 55 Jil	^ 51	< 5.4	< 280	< 230	< 250	< 5.2	< 5.3
Toluene	4900000	47000000	760	690		× 5.1		< 280	< 230	< 250		× 5.3
trans-1,2-Dichloroethene	1600000	23000000	110	29			^ 5.4	< 280	< 230	< 250		· ^ 5.3
trans-1,3-Dichloropropene	1800	8200	0.17	SNS	5		× 5.4	< 280	< 230	< 250	4 5.2	A 0.3
Trichloroethene	940	6000	0.18	1.8		< 5.1	< 5.4	< 280	< 230	< 250	1 5.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Trichlorofluoromethane	730000	3100000	730	SN	1 1 55	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	^ 54	× 280	< 230	< 250	A 52	A 533
A tuly cutoride	580000	2500000	190	9800	A 55	^ 51	< 5.4	< 280	< 230	< 250	S	A 5.3
				7000							,	-

J Estimated result < PQL and > MDL.

Bold text with gray background indicates parameter was detected in sample
Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S.

Newberry, SC	Shakespeare Composite Structures	Summary of Volatile Organic Compound Concentrations in Soil Samples From Main Building	2 aldB1
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									THE RESERVED				Outside NW end o	of Main Building		
Sample ID			Risk-	MCL-	B-20-2	B-20-11	B-20-15	B-21-2	B-21-9	B-21-15	B-22-2	B-22-8	B-22-15	B-23-2	B-23-8	B-23-14
	USEPA RSL	Industrial	Based	Based	PE21017-004 05/20/14	PE21017-005 05/20/14	PE21017-006 05/20/14	PE21017-007 05/20/14	PE21017-008 05/20/14	05/20/14	05/20/14	05/20/14	05/20/14	05/20/14	05/20/14	05/20/14
	A Method 8	260B (µg/kg										40	63	1	< 53	40
, l, 1-Trichloroethane	8100000	36000000	2800	70	^ 4			^ 4.4	^ 4	< 4.7	× 4.2	< 4.9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.4	× 5.2	× 4.9
1,2,2-Tetrachloroethane	600	2700	0.03	SNS	4	A A		4.4	4 4	× 47	× 42	< 49	× 53	< 4.4	< 5.2	< 4.9
1,2-Trichloro-1,2,2-Trifluoroethane	40000000	170000000	140000	NS	4 4	h 0		4.4	^ /	× 4.7	× 42	× 49	< 53	< 4.4	< 5.2	4
1,2-Trichloroethane	3600	16000	0.089	NS.	4 4	^ /	^ 4.5	< 4.4	^ 4.1	< 4.7	< 4.2	4	< 5.3	< 4.4	< 5.2	< 4.9
1-Dichloroethene	230000	1000000	100	2.5	^ 4	^ 5		< 4.4	< 4.1	< 4.7	< 4.2	4	< 5.3	× 4.4	^ 5.2	< 4.9
2.4-Trichlorobenzene	24000	110000	3.3	200	^ 4	^ 5		< 4.4	^ 4.1	< 4.7	· 4.2	A 4.9	· 5.3	· 4.4	· ^ 5.2	4.9
2-Dibromo-3-chloropropane (DBCP)	5.3	2	0.00014	0.086	^ ^	^ ^	^ 45	^ 4.4 4.4	^ ^ 4.1	× 4.1	< 4.2	< 4.9 4.9	^ 53	^ 4.4 4.4	× 52	× 4.9
,2-Dibromoethane (EDB)	1800000	160	300	580	^ ^ 4 4	۸ ۸	^ 45	^ 4.4	^ 4.1	< 4.7	< 42	4	< 5.3	< 4.4	< 5.2	< 4.9
2-Dichlorobenzene	460	2000	0.048	1.4	4	۸ ،	4	< 4.4	< 4.1	< 4.7	< 4.2	< 4.9	< 5.3	< 4.4	< 5.2	4
2 Dichloropropage	1000	4400	0.15	1.7	^ 4	^ 5	< 4.5	< 4.4	< 4.1	< 4.7	< 4.2	< 4.9	< 5.3	< 4.4	< 5.2	4
3-Dichlorobenzene	NS	NS	SN	NS	^ 4	^ 5	< 4.5	< 4.4	< 4.1	< 4.7	< 4.2	× 4.9	< 5.3	4.4	· 5.2	^ 4.9
4-Dichlorobenzene	2600	11000	0.46	72	^	^ 5	< 4.5	A 4.4	< 4.1	· 4.7	< 4.2	< 4.9	^ 3.3	4.4		A 4.9
2-Butanone (MEK)	27000000	190000000	1200	SN	^ 00	Te.	× 9.1	\ \ \	100	× 9.4	8 8 4	· 07	- =	A 0.7	^ 10	< 97
-Hexanone	200000	1300000	0.00	S	۸ ۸	^ ^	× 9.1	000	A A 80 L	× 9.4	A 0.00	< 9.7	_ = =	< 8.9	^	< 9.7
-Methyl-2-pentanone	5300000	56000000	2900	Z Z	× 16	3 a	< 18	< 18	24	< 19	< 17	66	< 21	< 18	B	8.9 J//
Acetone	1200	5100	023	2.6	^ ^ *	^ 5		< 4.4	< 4.1	< 4.7	< 4.2	4	< 5.3	< 4.4	< 5.2	
Bromodichloromethane	290	1300	0.036	z	^ 4	^ 5		< 4.4	× 4.1	< 4.7	^ 42	4.	^ 5.3	^ 4.4	^ 52	4.9
Bromoform	67000	290000	2.4	21	^ 4	۸ ،		^ 4.4	. 4.1	× 4.7	14.	^ 4.9	^ ^ 33	^ 4.4 4.4	× 52	4 4
Bromomethane (Methyl bromide)	6800	30000	240	N N	4 4	۸ ۸	< 4.5	^ 4.4 4.4	^ 4.1	< 4.7	< 42	4	< 5.3	< 4.4	< 5.2	
Caroon disultide	650	2900	018	1.9	۸ 4	^ 5		< 4.4	< 4.1	< 4.7	< 42	5.3	< 5.3	< 4.4	< 5.2	< 4.9
Chlorobenzene	280000	1300000	53	68	۸ 4	^ 5		< 4.4	< 4.1	< 4.7	< 42	4.	× 5.3	A 4.4	^ 5.2	1 4.9
Chloroethane	14000000	57000000	5900	NS	۸ 4	^ 5		^ 4.4	. 4.	1.4.7	1 4 1	1 4	53	× 44	^ 55	^ 40
Chloroform	320	1400	0.061	22	4	^		^ 4.4	. 4.1	· 4.7	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4.4.4	4 5 5 5	^ 4.4 4.4	^ 53	× 4.5
Chloromethane (Methyl chloride)	110000	460000	49	NS	۸ 4	^		^ 4.4	1.4.	1.4 1.7	4.2	4 4	4 53	× 44	< 52	A 4.9
cis-1,2-Dichloroethene	160000	2300000	==	21	^ 4	^		4.4	4.4	1.4.7	4.2	40	۸ ۲۵	× 44	× 52	< 4.9
cis-1,3-Dichloropropene	1800	8200	0.17	SNS	. 4	\ A		4.4	4.1	4.7	× 42	0.94 1//	A 53	< 4.4	< 5.2	< 4.9
Cyclohexane	6500000	27000000	13000	N. N.	4	h 0		4.4	4 4	× 47	× 42	< 4.9	< 53	< 4.4	< 5.2	< 4.9
Dibromochloromethane	730	3200	0.045	17	4		4.5	4.4	^ ^ A	< 47	< 42	× 4.9	< 5.3	< 4.4	< 5.2	< 4.9
Dichlorodifluoromethane	87000	3,0000	17	780 NS	^ / A +	20		< 4.4	2.6 J	< 4.7	< 4.2	< 4.9	< 5.3	< 4.4	< 5.2	< 4.9
Ethylbenzene	100000	000000	740	NS S	۸ .	< 5		< 4.4	< 4.1	< 4.7	< 4.2	< 4.9	< 5.3	< 4.4	< 5.2	< 4.9
Sopropylocitzers	78000000	1200000000	4100	S	^ 4	^ 5	< 4.5	< 4.4	< 4.1	< 4.7	< 4.2	× 4.9	^ 5.3	× 4.4	< 5.2	^ 4.9
Methyl tertiary butyl ether (MTBE)	47000	210000	3.2	NS	^ 4	^ 5		< 4.4	< 4.1	< 4.7	< 4.2	A 4.9	^ 5.5	4.4	1 2 2 2	4.9
Methylcyclohexane	NS	NS	NS	NS	^ 4	^ 5	^ 4.5	^ 4.4	. 4.1	× 4.1	4.2	4.9	4 5 5 5	^ 4.4 4.4	A 52	× 49
Methylene chloride	57000	1000000	2.9	1.3	^ 4	^ 5		× 4.4	4.1	7. 4.1	A 4.2	4.5	^ 53	41 1//	7.4	1
Styrene	6000000	35000000	1300	110	1.5	11 150 × 11	-	A 4.4	^ ^ 4.	0.5 1//	< 42	× 4.9	× 53	< 4.4	< 5.2	< 4.9
Tetrachloroethene	4900000	4700000	760	690	۸ ۸	< 5 m	^	^ 4.4	< 4.1	< 4.7	< 4.2	< 4.9	< 5.3	× 4.4	< 5.2	< 4.9
rans-1 2-Dichloroethene	1600000	23000000	110	29	۸	^ 5	< 4.5	< 4.4	< 4.1	< 4.7	< 4.2	× 4.9	^ 5.3	A.4.4	A 5.2	A 4.9
rans-1.3-Dichloropropene	1800	8200	0.17	SN	^ 4	^ 5	< 4.5	< 4.4	< 4.1	< 4.7	< 4.2	A.9	^ 5.5	4.4.	7.07	4 4 4
Trichloroethene	940	6000	0.18	1.8	^ 4	^ 5		^ 4.4	^ 4.1	0	^ 4.2	1 4.9	4 5 5 5	44	A 53	49
Trichlorofluoromethane	730000	3100000	730	NS	۸ .	^ ^		^ 4.4	. 4.1	4.7	4.4	× 4.5	A .	× 44	< 52	× 4.9
Vinyl chloride	59	1700	0.0065	0.69	۸ ۸	, ,	4.	^ 4.4	A 4.1	< 47	× 42	< 4.9	< 5.3	< 4.4	< 5.2	< 4.9
Vulanac (total)	580000	2500000	190	9800	^ 4	^ 0		4.4	7.1	1.1						

Indicates not detected at the reporting limit indicated.
 I Estimated result < PQL and > MDL.
 Bold text with gray background indicates parameter was detected in sample Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S.

ethene 1					Olocurato		oroethene	2	Methylene chloride 57000	_	Methyl tertiary butyl ether (MTBE) 47000	Methyl acetate 78000000	sopropylbenzene 1900000	Ethylbenzene 5800	Dichlorodifluoromethane 87000		65	sis-1,3-Dichloropropene 1800	_	Chloromethane (Methyl chloride) 110000		Chloroethane 14000000	2	Carbon tetrachloride 650	_	ane (Methyl bromide)	Bromoform 67000		Acetone	-Methyl-2-pentanone 5300000		2-Butanone (MEK) 27000000		3-Dichlorobenzene NS		le la		,2-Dibromo-3-chloropropane (DBCP) 5.3	2,4-Trichlorobenzene 24000			_	luoroethane 40	1.2.2.Tetrachloroethane 600	olatile Organic Compounds by USELFA method 35000000	Date Collected residential	Laboratory ID USE	
	-	w	6000	8200	_	4	-		1000000	_	210000	_	_	25000	-	_	2	8200	_	460000	1400	57000000	1300000	2900	1.0	30000	290000	1300	5100	_	_	=	11000	NS	4400	9	_	2	110000	1000000	16000		17		UNUNUNE TOOLO	an and and and	\neg	
	0		-	0.17	_	00 760	0 5.1	00 1300	0 2.9	NS	0 3.2					_		0.17	0 11) 49	0.061	5900	0 53	0.18			_	0.036	000 2900				0.46	NS	0.040	_	0	0.00014	_	100	0.78		_		2800		Based	Risk-
-	_	_	_	NS	29	690	2.3	_	1.3	NS	NS			780	NS				21	NS	22	NS	68	1.9	NS	NS			26	N	NS	SN	72	NS	17	14	_	-	_	2.5	NS	-		NS	70	000	Based	MCL
_	^	٨	٨	٨	٨	_	٨		٨	٨	٨	^	٨	٨	_	٨	٨	٨	٨	٨	٨	^	٨	٨	٨	٨	٨	٨	^	,	١ ٨	٨	٨	٨	^ ^	١ /	_	_	_	٨	٨	٨	٨	٨	٨	1		-
	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.4 J//	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	44	0.0	0 00	000	4.4	4.4	44	4 4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4		05/20/14	B-24-4
	^ 4	< 4	30	^ 4	^ 4	9.8	^ 4	^ 4	^ 4	۸ 4	۸ 4	^ 4	^ 4	16	^ 4	. ^	^	^	33	^ 4	^ 4	۸ 4	^ 4	۸	^ 4	^ 4	^ 4	^ 4	4 4	13	1 70	6.7	^ 4	^ 4	۸ ، 4 ،	۸ <i>/</i>	4 4	. 4	۸ 4	^ 4	^ 4	4	۸ 4	۸	^ 4		05/20/14	B-24-8
	< 4.7	< 4.7	83	< 4.7	< 4.7	< 4.7	0.66	9	< 4.7	< 4.7	< 4.7	< 4.7	^ 4.7	^ 4.7	^ 4./	^ 4.7	4.	. 4	170	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	7 10	۸ ۸	J// < 9.4	-	< 4.7	< 4.7	× 47	4.7	A.7	< 4.7	< 4.7	4	< 4.7	< 4.7	< 4.7	< 4.7		05/20/14	B-2
< 46	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	JII < 4.6	44 3	< 4.6	< 4.6	< 4.6	^ 4.6	A 4.0	^ 4.0	4.0	4.0	^ 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	^ 4.6	× 18	0 4	^ 9.1	< 4.6	< 4.6	< 4.6	× 46	4 4 6	^ 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6		05/21/14	
4	< 4.6	< 4.6	14	< 4.6	< 4.6	< 4.6	0.55	// 22	< 4.6	× 4.6	^ 4.6		4.0	1.0	4.0	4.0	^ 4.0	< 4.6	2.8	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	40	× 9.2	3.2	< 4.6	< 4.6	< 4.6	× 4.6	4.0	4.0	^ 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6		05/21/14	-
4	< 4.8	< 4.8	220 J	< 4.8	1.8 J	< 4.8	1.6 J	W < 4.8	< 4.8	^ 4.8	^ 4.8	4.8	4.0	4.0	4.0	4.0	4.8	4.	119	^ 4.8	^ 4.8	^ 4.8	^ 4 • 60	^ 4.8	^ 4.8	^ 4.8	< 4.8	< 4.8	A 4.8	× 19	2 0 0 0	× 9.5	A 4.8	< 4.8	< 4.8	^ 4.00	^ 4×0	4.0	. 4.00	^ 4.8	^ 4.8	A 4.8	< 4.8	< 4.8	< 4.8		05/21/14	
< 4.8	< 4.8	< 4.8	// 4.8	^ 4.8	// < 4.8	< 4.8	// < 4.8	13	< 4.8	^ 4.8	4.8	4.8	4.0	4.0	4.0	4 4 6 0	4.0	4.8	2.9 J//	^ 4.8	^ 4.8	^ 4.8	. 4.	^ 4.8	^ 4.8	^ 4.8	< 4.8	< 4.8	< 4.8	42	× 96	× 9.6	A 4.8	< 4.8	< 4.8	A 4.8	A 4 4 6 0 00 00 00 00 00 00 00 00 00 00 00 00	4.0	4 4	A 4.00	< 4.8	A 4.8	< 4.8	< 4.8	< 4.8		05/22/14	B-26-4
< 4.9	< 4.9	< 4.9	40	< 4.9	A 4.9	< 4.9	< 4.9	5.8	× 4.9	4.9	4.9	4.9	4.9	4.7	40	4.7	4.9	4.9	13	< 4.9	A.9	4.9	^ 4.9	4.9	· 4.9	A 4.9	< 4.9	< 4.9	< 4.9	14 J//	< 9.7	× 9.7	× 4.9	< 4.9	< 4.9	< 4.9	× 4.9	× 4.9	4.9	A 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9		05/22/14	B-26-14
	< 5.4	< 5.4	45	^ J.4	× 5.4	× 5.4	× 5.4	38	× 5.4	^ 5.4		0.4	5.4	5.4		4 5.4	5.4	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9.8	^ <u>5.4</u>	^ 5.4	^ 5.4	^ 5.4	^ 5.4	^ 5.4	^ 5.4	× 5.4	< 5.4	< 5.4	67	^ /		× 5.4	< 5.4	< 5.4	× 5.4	^ ·	A 5.4		^ 5.4	^ 5.4	< 5.4	< 5.4	< 5.4	< 5.4		05/22/14	B-26-25
s	< 5.5	< 5.5	51	\ 0.5	4.9 3//	< 5.5	< 5.5	2.7 3//	× 5.5	^ 5.5		1 00	1 1	55	A	۸ ۸	1 /	× 5.5	45	× 3.3	^ 33	20.0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	× 5.5	× 5.5	A 5.5	× 5.5	< 5.5	< 5.5	92	^ /	< 111 on	< 5.5	< 5.5	< 5.5	< 5.5	× 55	^ /	4 5 5 5	^ 5.5	^ 5.5	< 5.5	< 5.5	< 5.5	< 5.5		05/22/14	B-27-2
^ 6	^ 6		1				Colle	45 11			1 /	A /	A /	A .												. ^	^ 6	< 6	^ 6	57	^ 12	^ 12	. ^	^ 6	^ 6	^ 6	6 6	A /			. ^	^		^ 6	^ 6			B27-4 PE22065-014
	< 5.5		70	7 3.3	9.5	< 5.5	× 3.3		× 3.3	5.5	, ,	, ,		4 4 4 4	,			0.00	UCI.	20.0	, ,	, ,	, ,	, ,		A 5.5	× 5.5	< 5.5	< 5.5	63	^ -	^ /	× 5.5	< 5.5	< 5.5	< 5.5	^ 5.5	^ 55	4 5 5 5	× 5.5	^ 5.5	× 5.5	S	< 5.5	< 5.5		05/22/14	B-27-14
S	< 5.2	· ·		1.	A 5.2						h 0	h (h (h (n .	1 0 1		> 3.2	, ,	, ,	100		, ,	, ,	5	< 5.2			^ 10	5 5		< 5.2		5	S	A 52	h 0	, ,			5	< 5.2			05/22/14	B-27-25

Indicates not detected at the reporting limit indicated.
 J Estimated result < PQL and > MDL.
 Bold text with gray background indicates parameter was detected in sample Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S.

			1			2000	D 26 14	D 26 22	1 00 d	D 20 10	B 36 14	81 00 0	(a) (U) 81 0C B	B-30-6	B-30-10	B-30-14	B-30-18
Laboratory ID			_	Based	PE22065-017	PE22065-018	P	PE22065-009	PE23029-001	PE23029-002	PE23029-003	PE23029-004	PE23029-005	PE23029-006	PE23029-007	PE23029-008	PE23029-009
Volatile Operanic Compounds by USEPA Method 82608 (ug/kg)	Nestrod 8260		200	000	Colonia v												
1.1.1-Trichloroethane	8100000 360		2800	70	< 5.2	< 6.7	< 5.2	< 5	< 5.1	< 4.8	< 5.5	< 5.3	< 5.5	< 4.8	< 6.2	< 5.9	٨
1,1,2,2-Tetrachloroethane				_	< 5.2	< 6.7	< 5.2	^ 5	< 5.1	< 4.8	< 5.5	< 5.3	< 5.5	< 4.8	< 6.2	< 5.9	٨
1,1,2-Trichloro-1,2,2-Trifluoroethane	8	8	0	_		< 6.7		^ 5	< 5.1	< 4.8	< 5.5	< 5.3		^ 4.8	< 6.2	< 5.9	٨
1.1.2-Trichloroethane	-		-	_		< 6.7		^ 5	< 5.1	< 4.8	< 5.5	< 5.3		4	< 6.2	< 5.9	٨
1.1-Dichloroethane	_	_	-		< 5.2	< 6.7	< 5.2	< 5	< 5.1	< 4.8	< 5.5	< 5.3	< 5.5	^ 4.8	< 6.2	< 5.9	٨
1,1-Dichloroethene	_	_	_		< 5.2	< 6.7	< 5.2	< 5	< 5.1	< 4.8	2.2 J//	3.1 1//	3.3 J//	^ 4.8	< 6.2	× 5.9	٨
1,2,4-Trichlorobenzene	_	_			< 5.2			^	< 5.1	· 4.8	× 5.5	^ 5.3	× 5.5	4.8	< 6.2	× 5.9	٨
1,2-Dibromo-3-chloropropane (DBCP)			+				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	۸ ۸ ۸		4.8	1 1 2 2 2	^ ^ 55	35	4.8	A 6.2	V V	٨٨
1,2-Dibromoethane (EDB)	_	-	_	_						4 4 4 6	1 0.0	1 1	1 / 00	4.0	1 63	1 10	^ /
1,2-Dichlorobenzene	0	_				^ 67	A 5.2	۸ ۸	× 51	4 4	A 255	۸ / د د د	۸ / دد د	4 4 6	^ 6.2	^ 5.9	٨
1,2-Dichioroetnane	_	_	0.040		1 1			۸ ،	^ 5	^ 4.8°	× 5.5	< 5.3	< 5.5	^ 4.8	< 6.2	< 5.9	٨
1,2-Dichloropropane	NS 0001	NS 00	NS 0.13		× 52			۸ <i>ا</i>	< 5.1	^ 4.8°	× 5.5	^ 5.3	< 5.5	4.8	× 6.2	< 5.9	٨
1.4-Dichlorobenzene	_	0	0.46	72				^ 5	< 5.1	< 4.8	< 5.5	< 5.3	< 5.5	< 4.8	< 6.2	< 5.9	٨
2-Butanone (MEK)	8	8	1200		< 10	< 13	< 10	< 10	< 10	< 9.6	^ ==	^ =	^ =	< 9.6	^ 12	^ 12	٨
2-Hexanone			8.8	_			^ 10	^ 10	^ 10	A 9.6	. ^	==	==	0.6	3 7	3 5	۸ ۸
4-Methyl-2-pentanone	61000000 670	00000000	2900	NS S	20 J//	51	< 21	11 1//	15 J	/ 140	< 22	< 21	^ 23	29		< 24	٨
Benzene	_		0.23	_		٨		^ 5	< 5.1	A 4.8	< 5.5	< 5.3	< 5.5	< 4.8	< 6.2	< 5.9	٨
Bromodichloromethane	_	_	0.036	22				^	< 5.1	· ^ 4.8	× 5.5	× 5.3	× 5.5	4.8	A 6.2	· · · 5.9	^
Bromoform		290000	2.4		× 5.2			. ^	A 5.1	4.4	1 4 5.5	^ > 3.3	200	4.8	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 4 5 5 6	۸ ۸
Bromomethane (Methyl bromide)	770000 35	30000	1.9	N N	^ 52	× 6.7	× 52	^ ^	A /	۸ / 4 4 8 6	^ 5.5	× 5.3	^ 5.5	^ 4.8	0.0	× 5.9	٨
Carbon tetrachloride		_	0.18					^ 5	< 5.1	< 4.8	< 5.5	< 5.3	< 5.5	< 4.8	< 6.2	< 5.9	٨
Chlorobenzene	0	0	53					^ 5	< 5.1	۸ 4.8	× 5.5	< 5.3	< 5.5	^ 4.8		< 5.9	٨
Chloroethane	0	_	5900					^ 5	< 5.1	4	^ 5.5	< 5.3	× 5.5	4.8		× 5.9	٨
Chloroform		_	0.061	_	× 5.2		× 5.2	1.4 3//	< 5.1	۸ ۸ ۵ ۵	1 1 5.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 55	۸ ۸ 4 4 8 8	A A 622	^ ^ 59	۸ ۸
Chloromethane (Methyl chloride)	_	400000	+9	2 2	3.2		1	11	1 5 1	93	760 1//	340	790 1//	17 1//	25	3.4 1//	
cis-1,2-Dichloroethene	_	_	2 =	17	252	6.7	C 53	^ 5	^ 51	< 48	< 55	< 53	< 5.5 an	^ 4.8	< 6.2	< 5.9	^
cis-1,3-Dichloropropene	_		13000	N N	^ 53	× 67	A 52	^ /	^ /	4 4	A 5.5	^ 5.3	A 5.5	^ 4.8	< 6.2	< 5.9	٨
Cyclohexane	730	0000007	0.045	21	× 52			^ /	< 5.1	4	× 5.5	^ 5.3	^ 5.5	^ 4.8		< 5.9	٨
Dichlorodifluoromethane	_	_	300	_				^ 5	< 5.1	^ 4.8	× 5.5	< 5.3	× 5.5	< 4.8	< 6.2	< 5.9	٨
Ethylbenzene	-	25000	1.7	_				^ 5	< 5.1	< 4.8	< 5.5	< 5.3	× 5.5	^ 4.8	< 6.2	< 5.9	٨
Isopropylbenzene	0	9900000	740	SN	< 5.2			^ 5	× 5.1	^ 4.8	^ 5.5	^ 5.3	× 5.5	4.60	^ 6.2	× 5.9	٨
Methyl acetate	78000000 120	1200000000	4100					^ 5	< 5.1	^ 4.8°	A 5.5	A 5.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.4.0	1 0 2	× 59	۸ ۸
Methyl tertiary butyl ether (MTBE)	_	210000	3.2						^ 5.1	4.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, A	4 0 0	4.6	20.2	4 5.9	1
Methylcyclohexane		SNS	S S	. Z	^ 52	^ 67	× 52	^ ^	^ /s.1	^ / A	^ / 5.5	^ 5.3	۸ ، د د د د د د د د د د د د د د د د د د د	4.8	× 6.2	× 5.9	٨
Methylene chloride	_	500000	1300	110		The same	77	4.3 J//	1.7 J	// 1.3 J//	1 < 5.5	× 5.3	× 5.5	2.1 J//	1.6 J//	< 5.9	٨
Tetrachloroethene	24000 1	100000	5.1	2.3	0.54 3//	٨	< 5.2	0.88 J//	< 5.1	1.2 J//	1 < 5.5	× 5.3	< 5.5	< 4.8	1.1 1//	1 3//	
Toluene	_	47000000	760	690	< 5.2			^	× 5.1	^ 4.8	× 5.5	< 5.3	< 5.5	. 4	^ 6.2	A 5.9	٨
trans-1,2-Dichloroethene	-	23000000	110	29	× 5.2	< 6.7		\ \ \	1 1	18	. 13	· 53	^ **	4.8	^ 63	× 50	^ ^
trans-1,3-Dichloropropene	_	8200	0.17	N.	^ 3.2	0.1	× 3.2	100		4.0	130	150 1/1	130 1/1	4.6	100	3	1
Trichloroethene	-	6000	0.18	8.7	77	8.6	70	100	4 5 5 1	< 48	< < < < < < < < < < < < < < < < < < < <	< 53	< 55	4 4.0	< 62	< 59	٨
Trichlorofluoromethane	8	_	730	SNS		× 6.7		^ ^	^ ^ 5.1	A A	A 0.5	0.97 3//	A 555	4 4.0	A 62	× 5.9	۸ /
Vinyl chloride	580000	00/1	0.000	0.09		× 67	A 22	A /	× 51	4 4	s :		5	4	6		٨
W. Janes Garage		I LANGUAGE	190	9800	× 5.2	^			7 3.1	+	1 3.3	1	1	4	V.E.	3.3	-

< Indicates not detected at the reporting limit indicated.</p>
J Estimated result < PQL and > MDL.
Bold text with gray background indicates parameter was detected in sample
Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S:

SI000000 3600000000 2800 70	Sample ID Laboratory ID Date Collected	USEPA RSL Residential Indus	A RSL Industrial	Risk- Based SSL	Based SSL	PFO:	B-45-12 PF05058-009 06/05/14	P	PF05058-010 06/05/14		PE2201 05/21	15-004	PE22015-005 05/21/14		PE22015-006 05/21/14	-	PE22015-007 05/21/14		PE22015-008 05/21/14	5-008	PE220 05/	PE22015-009 05/21/14	PFO	PF03066-003 06/03/14		PF	PF03066-004 06/03/14	PF03066-004 PF03066-005 06/03/14 06/03/14
Billuoroethane	olatile Organic Compounds by USEPA Method 8260B (µg/kg)	PA Method 8	260B (µg/kg							-					-	-	40	+	A		1	0	~	100	54	54 17	54 < 57	54 1 67 1 6
minoroethane 4000000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 170000 1700000 1700000 170000 1700000 170000 1700000 1700000 170000 1700000 170000 1700000 1700000 170000 1700000 1700000 1700000 1700000 170000 1700000 1700000 170000 1700000 170000 1700000 1700000 1700000 1700000 170000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 1700000 170000 1700000 1700000 1700000 17000000 17000000 17000000 17000000 17000000 17000000 1700000 17000000 17000000 1700000 17000000 1700000 17000000 17000000 1700000 17000000 1700000 1700000 1700000	,1,1-Trichloroethane	8100000	36000000		NS 70	۸۸	5 3	۸ ۸	5.6		^ ^	5 0	^ 5.7	^ ^	5.1	^ ^	4.9		4 4		٨٨	00 O	۸ ۸		5.4	5.4 ^ ^	5.4 < 5.7	5.4 < 5.7 < 5.7
	,1,2,2-1 etrachioroetnane	MANAMA	0000000	140000	NS.	^ .	5 0	٨	5.6	_	^ 4	5	< 5.7	٨	5.1	٨	4.9	_	4.1		٨	00	٨		5.4	^	5.4 < 5.7	
3600 16000 178 NS < 53 < 56 < 4.5 < 57 < 59 < 59 < 59 < 59 < 59 < 59 < 5	1.2-I richloro-1,2,2-1 muotoeuano	1100	5000	0.089	1.6	۸ .	5.3	٨	5.6	_	^ 4	5	< 5.7	٨	5.1	٨	4.9	_	4.1		٨	00	٨		5.4	5.4	5.4 < 5.7	5.4 < 5.7 < 5.7
230000 1000000 100 2.5 < 5.3 < 5.6 < 4.45 < 5.5 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 < 5.8 < 4.45 <	,1-Dichloroethane	3600	16000	0.78	NS	٨	5.3	٨		_	^ 4.	5	< 5.7	٨	5.1	٨	4.9	-	4.1		^	000	٨	S	4	4	4 < 5.7	
24000 110000 33 200 53 56 6 4.45 6.55 6 6 4.5 6 6 100000 20000 20000 2000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 200000 200000 200000 200000 200000 200000 200000 2000000 2000000 2000000 2000000 2000000 2000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 20000000 200000000	,1-Dichloroethene	230000	1000000	100	2.5	٨	5.3	٨	5.6		^ 4.	5	< 5.7	٨	5.1	٨	4.9	_	4		٨	·×	٨	S	4	^	4 < 5.7	4 < 5.7 < 5.
Oppmer (DRCP) 5.3 64 000014 0.086 < 5.3 < 5.6 < 4.5 < 5.8 1800000 9300000 300 500 65.6 < 4.5	,2,4-Trichlorobenzene		110000	3.3	200	٨	5.3	٨	5.6	_	. 4	5	< 5.7	. ^	5.1	. ^	4.9	_	4		٨	00	٨	4 1	4 4	^ /	4 < 5.7	4 × 5.7 × 5.
BB BB BB BB BB BB BB B	,2-Dibromo-3-chloropropane (DBCP)		64	0.00014	0.086	. ^	5.3	. ^			. ^	, 5	× 5.7	١ ٨		۸ ۸	4.9		4.4		١ ٨	0 0	۸ ۸	1 4		^ ^	^ 57	× 57 × 57
100000 0,048 1,4	,2-Dibromoethane (EDB)	36	0000010	1200.0	580	^ ^	5 0	^ /	5.6	_	^ ^	5 0	× 5.7	^ /	5.1	^ /	4.9		4.4		^ /	00 0	٨	5.4		^ /	< 5.7	
1000	1,2-Dichlorogenzene	460	2000	0.048	1.4	۸ .	53	٨	5.6	_	^ 4	S	< 5.7	٨	5.1	٨	4.9	_	4.		٨	.00	٨	5.4		^	< 5.7	
NS N	2-Dichloropropane	1000	4400	0.15	1.7	٨	5.3	٨	5.6	_	^ 4.	S	< 5.7	٨	5.1	٨	4.9		4.1		٨	000	٨	5.4		^	< 5.7	< 5.7 < 5.
2,000 11,000 0.46 72 < 5.3 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5	1,3-Dichlorobenzene	NS	SN	SN	NS	٨	5.3	٨	5.6		^ 4	S	< 5.7	٨	5.1	٨	4.9	_	4.1		٨	00	٨	5.4		٨	< 5.7	· 5.7 · 5.
27000000 190000000 1200 NS 11 1/1E 11	1,4-Dichlorobenzene	2600	11000	0.46	72	٨	5.3	٨	5.6		^ 4	· ·	< 5.7	٨	5.1	٨	4.9	_	4.		^	00	٨	5.4		^	< 5.7	< 5.7 < 5.7
200000 1300000 8.8 NS C II C II C Y	2-Butanone (MEK)	27000000	190000000	1200	NS	٨	11 /J/		=		^ 9		14	^	10	. ^	9.7		000		٨	6	^	: =		^		. ^
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bittoniide bit	4-Methyl-2-pentanone	5300000	56000000	280	NS NS	^	11		3 =		. ^	•	3 =	,	10	,	3.		40		۸ /	0.0	1	# =		^ /	× 23	
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bromide 67000 290000 2.4 21 < 5.3 < 5.6 < 4.5 < 5.7000 290000 2.4 NS < 5.3 < 5.6 < 4.5 < 5.70000 3500000 24.0 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 24.0 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 5900 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 5900 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 14.0 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.700000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 2500000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000 1.7 NS < 5.3 < 5.6 < 4.5 < 5.70000	Bromodichloromethane	290	1300	0.036	22	٨	5.3	^	5.6	_	^ 4	5	< 5.7	٨	5.1	٨	4.9		4.1		^	· > 0	٨	5.4		٨	< 5.7	< 5.7 < 5.7
6800 30000 1.9 NS < 5.3 < 5.6 < 4.5 < 5.5 770000 3500000 240 NS < 5.3	Bromoform	67000	290000	2.4	21	٨	5.3	٨	5.6		^ 4	5	< 5.7	^	5.1	٨	4.9	_	4		^	000	٨	5.4		٨	< 5.7	
770000 3500000 240 NS < 5.3 < 5.6 < 4.3 < 5.5 280000 1300000 53 68 < 5.3	Bromomethane (Methyl bromide)	6800	30000	1.9	NS	٨	5.3	^	5.6	_	. 4	· Or	< 5.7	٨	5.1	^	4.9	_	4.		. ^	00	۸ ۸	1 5.4		^ ^	< 5.7	
650 2900 0.18 1.9 5.3 5.56 4.3 5.5 280000 1300000 53 68 5.3 5.56 4.4 5.5 14000000 57000000 5900 NS 5.3 5.56 4.5 5.5 320 1400 0.061 22 5.3 5.56 4.5 5.5 160000 2300000 11 21 9.7 39 4.5 5.5 1800 8200 0.17 NS 5.3 5.56 4.5 5.5 1800 8200 0.17 NS 5.3 5.5 4.5 4.5 5.5 1800 8200 0.045 21 9.7 39 4.5 4.5 5.5 190000 370000 300 NS 5.3 5.6 4.5 4.5 5.5 1900000 370000 1.0 NS 5.3 5.6 4.45 5.5 1900000 12000000 1.0 NS 5.3 5.6 4.45 5.5 1000000 <td< td=""><td>Carbon disulfide</td><td>770000</td><td>3500000</td><td>240</td><td>SN</td><td>^</td><td>5.3</td><td>. ^</td><td>5.6</td><td>_</td><td>4.</td><td>n U</td><td>× 5.7</td><td>١ ٨</td><td>2.5</td><td>١ ٨</td><td>4.9</td><td></td><td>4.4</td><td></td><td>١ ٨</td><td>0 0</td><td>^ ^</td><td>4 2</td><td></td><td>۸ ۸</td><td>^ 57</td><td></td></td<>	Carbon disulfide	770000	3500000	240	SN	^	5.3	. ^	5.6	_	4.	n U	× 5.7	١ ٨	2.5	١ ٨	4.9		4.4		١ ٨	0 0	^ ^	4 2		۸ ۸	^ 57	
1200000 1300000 53 68	Carbon tetrachloride	650	2900	0.18	1.9	٨	5.3	. ^	5.6		4.	. 0	· 5.7	. ^	5.1	\ ^	4.9					0 0	1	4 4		١ /	4 57	57 57
1400,000 3700,000 3700 3700 3700 3700 3700 3700 3700 3700 3700,000 37000,000 37000,000 37000,000 37000,000 3700,000 37000,000 3700,000 370	Chlorobenzene	280000	1300000	53	80	۸ ۸	5 3	^ ^	5.0	_	۸ ۸	лU	^ 57	^ ^	5 !	^ /	49		4 4		^ /	00 0	^ /	4		^ /	A 5.7	× 5.7 × 5.7
I chloride) I 10000 460000 49 NS < 5.3 < 5.6 < 4.5 < 5.3 le 1800 2300000 11 21 9.7 39 < 4.5 33 e 1800 8200 0.17 NS < 5.3 < 5.6 < 4.5 33 e 730 3200 0.045 21 < 5.3 < 5.6 < 4.5 < 5.8 result 87000 370000 300 NS < 5.3 < 5.6 < 4.5 < 5.8 result 7900000 740 NS < 5.3 < 5.6 < 4.5 < 5.8 result 79000000 740 NS < 5.3 < 5.6 < 4.5 < 5.8 result 47000 21000000 3.2 NS < 5.3 / 1.5 < 4.5 < 5.5 NS NS NS < 5.3 / 1.5 < 5.6 < 4.5 < 5.5 Parame 18000000 35000000 1300 110	Chloroethane	320	1400	0.061	22 3	۸ ,	53	^ /	5.6		۸ .	is i	< 5.7	^	5.1	^	4.9		.4		٨	8	٨	5.4			1.3 J//	
160000 2300000 11 21 9.7 39 < 4.5 3 1800 8200 0.17 NS < 5.3	Chloromethane (Methyl chloride)	110000	460000	49	NS	٨	5.3	٨	5.6	L	^ 4.	S	< 5.7	٨	5.1	^	4.9	_	4.		۸	8.1	^	5.4		٨	< 5.7	< 5.7 < 5.7
le 1800 8200 0.17 NS < 5.3 < 5.6 < 4.5 < 5.6 6500000 27000000 13000 NS < 5.3	cis-1,2-Dichloroethene	160000	2300000	=	21		9.7		39		^ 4	is	35		28	^	4.9		13			35		4			8.6	
6500000 27000000 13000 NS < 5.3 < 5.6 < 4.5 < 5.7 < 7.7	cis-1,3-Dichloropropene	1800	8200	0.17	NS	٨	5.3	٨	5.6		. ^	i is		. ^	5.1	. ^	4.9	_	4.		. ^	0 00	۸ ۸	4.4		١ ٨	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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190000 170000 1700000 170000000 170000000 1700000000 1700000000 1700000000 1700000000 1700000000 1700000000 1700000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 17000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 170000000 1700000000 1700000000 1700000000 1700000000 1700000000 1700000000 17000000000 17000000000 1700000000 1700000000 17000000000 170000000000	Dichlorodifiuorometnane	6000	3,0000	300	780	\ /	4 6	۸ ,	40		۸ .	, ,	63	^	5 !	^	49	_	4		٨	20	۸	5.4		٨	< 5.7	
d ether (MTBE) 78000000 7000000 7000000 70000000 7000000	Ethylbenzene	OMMODEL	0000000	740	No. 100	^ /	43	^ /	5.6	_	۸ <i>ا</i>	л i	< 5.7	^	5.1	^ -	4.9	_	4		٨	· ·	٨	5.4		٨	< 5.7	
dether (MTBE) 470000 NS 2100000 NS 3.2 NS NS < 5.3 NS < 5.6 NS < 4.5 NS < 5.5 NS NS NS NS < 5.3 NS < 5.6 NS < 4.5 NS < 5.6 NS < 5.6 NS < 4.5 NS < 5.6 NS < 5.6 NS < 4.5 NS < 5.6 NS	Sopropyidenzene	78000000	120000000	4100	NS S	٨	5.3 /1/	/E ^	5.6	/J/E	^ 4	is i	< 5.7	٨	5.1	٨	4.9		4		٨	.8	٨	5.4		٨	< 5.7	
NS N	Methyl tertiary butyl ether (MTBE)	47000	210000	3.2	SN	٨	5.3	٨	5.6		^ 4	S	< 5.7	٨	5.1	٨	4.9		4		۸	.8	٨	5.4		٨	< 5.7	< 5.7 < 5.
\$7000 1000000 2.9 1.3 < 5.3 < 5.6 < 4.5 < 5.5 6000000 35000000 1300 110 < 5.3	Methylcyclohexane	NS	NS	NS	NS	٨	5.3	٨			^ 4	is	< 5.7	٨	5.1	^	4.9		4.		^	00	٨	5.4		. ^	< 5.7	
loroetheme 6000000 35000000 1300 110 < 5.3 < 5.5 < 4.5 4.5 < 1.5 Loroetheme 24000 1000000 5.1 2.3 < 5.5	Methylene chloride	57000	1000000	2.9	1.3	٨	5.3	^	, 5		. ^	· is	< 5.7	. ^	5.1	. ^	4 4	-	4.		^	8.4	\ ^	4 4		١ ٨	^ 5.7	1 0 0 0
4900000 1000000 5.1 2.3 < 5.3	Styrene	6000000	35000000	1300	110	٨	5.3	. ^		_	4	n U		J// ^	4 5	1	4.9		9 4	3//			1	63	111	^ /	III < 57	
e 1800 8200 0.17 NS < 5.3 < 5.6 < 4.5 < 5.6 940 6000 0.18 1.8 6.7 10 < 4.5 < 5.6 730000 3100000 730 NS < 5.3 < 5.6 < 4.5 < 5.6 60 1700 0.065 0.60 < 5.3 < 5.6 < 4.5 < 5.6 60 1700 0.065 0.60 < 5.3 < 5.6 < 4.5 < 5.6 60 1700 0.065 0.60 < 5.3 < 5.6 < 4.5 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.6 < 5.	Tetrachloroethene	24000	100000	5.1	2.3	۸ ۸	5 U	۸ ۸	200		۸ ۸ 4 4	n i	23	^ /	s :	^ /	49		4 4	9//	٨	8 97	٨	5.4	4/1	^ ^	< 5.7	< 5.7 < 5.
e 1800 2300000 117 NS < 5.3 < 5.6 < 4.5 < 5.6 940 6000 0.18 1.8 6.7 10 < 4.5 6 73000 310000 730 NS < 5.3 < 5.6 < 4.5 < 5.6 5.0 1700 0.0065 0.60 < 5.3 < 5.6 < 4.5 < 5.5 < 5.6 < 4.5 < 5.6 < 5.5 < 5.6 < 5.5 < 5.6 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 < 5.5 <	Toluene	4900000	4/000000	700	200	1	n 0	۸ /		_	۸ ۸	, (77	-	91	^ '	49		^ ·		٨	00	٨	5.4		٨	< 5.7	< 5.7 < 5.7
940 6000 0.18 1.8 6.7 10 < 4.5 6 730000 3100000 730 NS < 5.3 < 5.6 < 4.5 < 5.6	trans-1,2-Dichloroethene	1800	8200	0.17	NS	^ /	5 0	^ /			۸ ۸	is i	< 5.7	٨	5.1	٨	4.9	-	.4.		٨	.80	٨	5.4		٨	< 5.7	
nethane 730000 3100000 730 NS < 5.3 < 5.6 < 4.5 < 5.6	uans-1,3-Diciliotopropene	940	6000	0.18	1 8		67			2	^ 4	5	69		29	^	4.9	ı	5			80		110			21	21 130
omethane 130000 3100000 130 N3 < 53 < 56 < 45 < 5	Trichloroethene	940	0000	0.10	1.0		6.7	1			۸ ،	, (< 57	^	2	^	49	1	^		^	8	^	5.4	-	٨	< 57	< 57 < 5.7
	Tielleramathana	730000	3100000	0000	S N	. ^	2 0	١ /		_	^ /	n i	,	^ /	5 1	^ /	4 9		۸ ، 4 .		^	00 0	٨	5.4		٨	< 5.7	5.7
250000 1000 0000 100 0000 100 0000 1000 0000 1000 0000 1000 0000 0000 0000 0000 0000 0000 0000 0000	Triculoromenane	39	00/1	0.0000	0.09	. /		١ /			1 1	, i	n :	. ,		^		_	^ A :									5.7

Bold text with gray background indicates parameter was detected in sample
Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (S:

Table 3
Summary of Volatile Organic Compound Concentrations in Soil Samples From Pole Winder Building
Shakespeare Composite Structures
Newberry, SC

Sample ID			Risk-	MCL.	B	B-34-2	B-3	B-34-10	B	B-34-13		B-35-6		B-35-11	B	B-35-14		B-36-6
Laboratory ID	USEPA RSL	RSL	Based	Based	PE28	PE28056-005	PE280	PE28056-006	PE28	PE28056-007	PEZ	PE29055-004	PE	PE29055-005	PE2	PE29055-006	PEZ	PE29055-001
Date Collected Residential Industrial	Residential	Industrial	SSL	SSL	05	05/28/14	05/2	05/28/14	05	05/28/14	٩	05/29/14		05/29/14	00	05/29/14	0	05/29/14
Volatile Organic Compounds by USEPA Method 8260B (µg/kg)	A Method 820	SOB (µg/kg)																
II, I. Trichloroethane	8	36000000	2800	70	v	5.1	> 5.4		v	9	v	6.2	v	5.6	V	9	v	5.7
1,1,2,2-Tetrachloroethane	_	2700	0.03	NS	v	5.1	> S		v	9	V	6.2	V	9.6	v	9	v	5.7
1,1,2-Trichloro-1,2,2-Trifluoroethane	8	170000000	140000	NS.	v	5.1	× .5.		v	9	V	6.2	٧	5.6	v	9	v	5.7
1,1,2-1 inchioroethane	0011	0000	0.089	0.1	v		, .		V	0 '	v	6.2	v	5.6	v	9	v	5.7
1, 1-Dichlorocthane	3000	10000	0.78	S. S.	v	1.0	v .		V	0	v	6.2	V	5.6	٧	9	v	5.7
1,1-Dichloroethene	230000	000000	8 3	5.2	v	5.1	× ×		v	9	v	6.2	V	5.6	V	9	V	5.7
1,2,4-1 richlorobenzene	24000	110000	3.3	200	v	5.1	۸ د	_	٧	9	v	6.2	V	5.6	V	9	v	5.7
1,2-Dibromo-3-chloropropane (DBCP)	5.3	64	0.00014	980'0	v	5.1	× 5.		٧	9	v	6.2	V	9.6	٧	9	v	5.7
1,2-Dibromoethane (EDB)	36	091	0.0021	0.014	v	5.1	> 5,		٧	9	V	6.2	٧	9.6	V	9	v	5.7
1,2-Dichlorobenzene	1800000	9300000	300	280	v	5.1	< ×	_	٧	9	v	6.2	v	5.6	٧	9	v	5.7
1,2-Dichloroethane	460	2000	0.048	1.4	v	5.1	< >.	_	٧	9	V	6.2	V	5.6	٧	9	V	5.7
1,2-Dichloropropane	1000	4400	0.15	1.7	٧	5.1	< > 5.	_	٧	9	V	6.2	V	9.6	V	9	v	5.7
1,3-Dichlorobenzene	SN	NS	NS	NS	٧	5.1	< 5.	_	٧	- 9	v	6.2	٧	9.6	v	9	v	5.7
1,4-Dichlorobenzene	2600	11000	0.46	72	v	5.1	> 5.	_	٧	9	v	6.2	v	9.6	v	9	v	5.7
2-Butanone (MEK)	27000000	190000000	1200	NS	v	10	- v		v	12	v	12	٧	===	v	12	v	11
2-Hexanone	-	1300000	8.8	NS	V	01	×		V	12	v	12	٧	11	V	12	v	11
4-Methyl-2-pentanone	5300000	26000000	280	NS	٧	01	= v		٧	12	v	12	V	11	V	12	V	11
Acetone	61000000	670000000	2900	NS		43	7	8		//F SI		11 3//		//f 81	The state of	//r 1/6	No.	27
Benzene	1200	9100	0.23	5.6	v	5.1	< 5.		٧	9	v	6.2	٧	9.6	v	9	v	5.7
Bromodichloromethane	290	1300	0.036	22	v	5.1	× 5.		٧	9	٧	6.2	v	5.6	V	9	v	5.7
Bromoform	00029	290000	2.4	21	٧	5.1	< > 5.	_	٧	9	v	6.2	٧	9.6	V	9	v	5.7
Bromomethane (Methyl bromide)	0089	30000	1.9	NS	٧	5.1	< ×	_	V	9	V	6.2	٧	5.6	٧	9	٧	5.7
Carbon disulfide	770000	3500000	240	NS	V	5.1	> 5.		٧	9	V	6.2	٧	9.6	v	9	v	5.7
Carbon tetrachloride	059	2900	0.18	1.9	v	5.1	> 5.	_	٧	9	V	6.2	v	9.6	V	9	V	5.7
Chlorobenzene	280000	1300000	53	89	v	5.1	× 5.		v	9	v	6.2	٧	9.6	٧	9	V	5.7
Chloroethane	14000000	22000000	2000	NS	V	5.1	< 5.4		٧	9	v	6.2	V	5.6	V	9	٧	5.7
Chloroform	320	1400	0.061	22	v	5.1	7	//r	V	9	v	6.2	v	9.6	v	9	٧	5.7
Chloromethane (Methyl chloride)	110000	460000	46	NS	v	5.1	< 5,		V	9	V	6.2	٧	5.6	V	9	٧	5.7
cis-1,2-Dichloroethene	160000	2300000	=	21	v	5.1	< 5.		V	9	v	6.2	V	5.6	٧	9	٧	5.7
cis-1,3-Dichloropropene	1800	8200	0.17	NS	v	5.1	< >.		V	9	V	6.2	v	5.6	v	9	٧	5.7
Cyclohexane	0000069	27000000	13000	NS	v	5.1	> 5.		٧	9	v	6.2	v	5.6	٧	9	v	5.7
Dibromochloromethane	730	3200	0.045	21	v	5.1	> 5.		V	9	v	6.2	v	5.6	٧	9	V	5.7
Dichlorodifluoromethane	82000	370000	300	NS	v	5.1	< 5.		V	9	v	6.2	V	5.6	٧	9	٧	5.7
Ethylbenzene	2800	25000	1.7	180	٧	5.1	> 5.		٧	9	V	6.2	V	9.6	v	9	V	5.7
Isopropylbenzene	1900000	0000066	740	NS	v	5.1	> 5.		٧	9	V	6.2	v	5.6	v	9	v	5.7
Methyl acetate	78000000	1.2E+09	4100	NS	v	5.1	> 5.		٧	9	v	6.2	٧	9.6	٧	9	v	5.7
Methyl tertiary butyl ether (MTBE)	41000	210000	3.2	NS	v	5.1	> 5.		V	9	v	6.2	v	5.6	٧	9	V	5.7
Methylcyclohexane	NS	NS	NS	NS	٧	5.1	× 5.		٧	9	v	6.2	V	5.6	v	9	٧	5.7
Methylene chloride	22000	10000001	5.9	1.3	v	5.1	> 5.		٧	9	v	6.2	V	5.6	V	9	V	5.7
Styrene	0000009	35000000	1300	110	٧	5.1	1	//r	V	9	v	6.2	v	5.6	٧	9	v	5.7
Tetrachloroethene	24000	100000	5.1	2.3	v	5.1	× 5.		V	9	V	6.2	٧	5.6	٧	9	v	5.7
Toluene	4900000	47000000	092	069	v	5.1	> 5.		V	9	v	6.2	V	5.6	٧	9	V	5.7
trans-1,2-Dichloroethene	1600000	23000000	110	53	v	5.1	< ×		٧	9	v	6.2	V	9.6	v	9	V	5.7
trans-1,3-Dichloropropene	1800	8200	0.17	NS	v	5.1	< 5.4		٧	9	V	6.2	V	9.6	V	9	v	5.7
Trichloroethene	940	0009	81.0	1.8	v	5.1	2.	//F S		13 3//	V	6.2	V	9.6	v	9	V	5.7
Trichlorofluoromethane	730000	3100000	730	NS	v	5.1	< S.		v	9	v	6.2	٧	9.6	V	9	v	5.7
Vinyl chloride	65	1700	0.0065	69.0	v	5.1	< > 5.	_	V	9	v	6.2	٧	5.6	V	9	V	5.7
Xylenes (total)	280000	2500000	190	9800	v	5.1	< 5.		v	9	v	6.2	V	5.6	v	9	v	5.7

Indicates not detected at the reporting limit indicated.
 I Estimated result < PQL and > MDL.
 Bold text with gray background indicates parameter was detected in sample.
 Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SSL).

Table 3
Summary of Volatile Organic Compound Concentrations in Soil Samples From Pole Winder Building
Shakespear Composits Structures
Newberry, SC

			1	MON	-	11.76.11	1	20,77,16	1	2 44 4	May	May- June 2014	ľ	27.72.0	ľ	7 07 0	ľ	207.0
Ol andreade I	LISEPA RSI	A RSI	Rased	Rased	DE20	D-30-11	DE30	D-30-14	perio	DE20055-007	DE	DE-20-10	DE	DE29044-009	PEO	DE04097-007	DE04	DE04007-008
Date Collected Residential Industrial	Residential	Industrial	SSL	SSL	050	05/29/14	00	05/29/14	05	05/29/14	3	05/29/14	0	05/29/14	90	06/04/14	06,	06/04/14
Volatile Organic Compounds by USEPA Method 8260B (µg/kg)	A Method 8.	60B (µg/kg)						100										
1,1,1-Trichloroethane	8100000	36000000	2800	02	v :	5.8	V	6.3	v 1	5.7	V	5.7	V	9	v :	240	> 5	280
1.1.4.2-1euacmoroemane	40000000	17000000	140000	SN	V \	0.0	V 1	6.3	v \	7.0	v \	5.7	v 1	0 9	v. v	040	v .	087
1,1,2-Trichloroethane	1100	2000	0.089	1.6	v	. 00	V	6.3	v	5.7	v	5.7	v	9	v	240	· ~	280
1,1-Dichloroethane	3600	16000	0.78	NS	٧	8.8	V	6.3	٧	5.7	٧	5.7	V	9	v	240	> 2	280
1,1-Dichloroethene	230000	10000001	100	2.5	v	5.8	v	6.3	V	5.7	V	5.7	V	9	v	240	>	280
1,2,4-Trichlorobenzene	24000	110000	3.3	200	v	8.8	V	6.3	v	5.7	٧	5.7	٧	9	v	240	> 2	280
1,2-Dibromo-3-chloropropane (DBCP)	5.3	\$	0.00014	980.0	v	8.8	v	6.3	v	5.7	٧	5.7	٧	9	v	240	v ×	280
1,2-Dibromoethane (EDB)	36	160	0.0021	0.014	v	8.8	٧	6.3	v	5.7	٧	5.7	٧	9	v	240	7	280
1,2-Dichlorobenzene	1800000	9300000	300	280	V	8.8	٧	6.3	V	5.7	٧	5.7	٧	9	v	240	7	280
1,2-Dichloroethane	460	2000	0.048	1.4	v	8.8	٧	6.3	v	5.7	V	5.7	V	9	v	240	v	280
1,2-Dichloropropane	1000	4400	0.15	1.7	V	30.	v	6.3	v	5.7	٧	5.7	٧	9	v	240	v .	280
1,3-Dichlorobenzene	SN	NS	NS	NS	٧	80.0	٧	6.3	v	5.7	V	5.7	V	9	v	240	v	280
1,4-Dichlorobenzene	2600	11000	0.46	72	v	5.8	٧	6.3	v	5.7	٧	5.7	V	9	v	240	v 2	280
2-Butanone (MEK)	27000000	1900000000	1200	NS	v	12	٧	13	V	= :		4.4 3//	V	12	v	490	v .	570
2-Hexanone	200000	1300000	00	NS	v	12	V	13	v	=	٧		٧	12	V	490	v .	570
4-Methyl-2-pentanone	5300000	26000000	280	SS	V	17	v	13	V		v	= :	v ·	12	v	490	v :	570
Acetone	0000000	0,000000	2000	S		67		70 97	į.	//6 11		3	v	74	v	0/6	· ·	001
Benzene	1200	2100	0.23	2.6	v	2.8	v	6.3	v	5.7	٧	5.7	V	9	V	240	v .	280
Bromodichloromethane	290	1300	0.036	77	v	8.0	V	6.3	v	5.7	V	5.7	٧	9	V	240	v .	280
Bromotorm	97000	290000	2.4	21	v	2.8	V	6.3	v	5.7	٧	5.7	V	9	v	240	v .	280
Bromomethane (Methyl bromide)	6800	30000	6.5	S	v v	8.0	V	6.3	v	5.7	v '	5.7	v .	9	v	240	v .	280
Carbon disuinde	0000/	3200000	240	SN.	v .	8.0	v '	0.3	v :	2.7	V	2.7	V	0	V	240	v .	087
Chlorober zene	0690	130000	81.0	6 89	v \	80.00	v v	6.3	v 1	5.7	v 1	5.7	v \	9 4	v 1	240	v 1	280
Chloroethane	1400000	\$700000	2000	8 2			, v	6.3		6.3	/ \	5.7	/ \	9	/ \	040	,,	087
Chloroform	320	1400	0.061	22	, v	. 80	, v	6.3	, v	2.7	/ v	5.7	/ V	9	/ v	240	, v	080
Chloromethane (Methyl chloride)	110000	460000	40	SN	v	8	V	63	V	1.1	V	2.3	V	9	· V	240	,	080
cis-1.2-Dichloroethene	160000	2300000	1	21	· ·	000	v	6.3	V	2.7	v	5.7	v	9	v	040	, ,	080
cis-1,3-Dichloropropene	1800	8200	0.17	NS	v	8.8	٧	6.3	٧	5.7	٧	5.7	V	9	v	240	v .	280
Cyclohexane	0000059	27000000	13000	NS	v	8.8	٧	6.3	v	5.7	V	5.7	V	9	V	240	>	280
Dibromochloromethane	730	3200	0.045	21	v	5.8	٧	6.3	v	5.7	V	5.7	٧	9	V	240	> 2	280
Dichlorodifluoromethane	87000	370000	300	NS	V	8.8	٧	6.3	v	5.7	V	5.7	V	9	v	240	×	280
Ethylbenzene	2800	25000	1.7	780	v	8.8	٧	6.3	٧	5.7	v	5.7	٧	9	V	240	> 7	280
Isopropylbenzene	1900000	0000066	740	NS	٧	8.8	٧	6.3	٧	5.7	٧	5.7	٧	9	v	240	× 2	280
Methyl acetate	78000000	1.2E+09	4100	NS	v	8.8	V	6.3	v	5.7	V	5.7	٧	9	v	240	×	280
Methyl tertiary butyl ether (MTBE)	41000	210000	3.2	NS	V	8.8	V	6.3	V	5.7	V	5.7	٧	9	v	240	7 V	280
Methylcyclohexane	SN	NS	SN	SN	v	8.8	V	6.3	٧	5.7	٧	5.7	٧	9	v	240	v	280
Methylene chloride	22000	1000000	2.9	1.3	v	80.	V	6.3	v	5.7	٧	5.7	٧	9	٧	240	v 2	280
Styrene	0000009	35000000	1300	110	V	88.	٧	6.3	v	5.7	V	5.7	٧	9	v	240	v	280
Tetrachloroethene	24000	1000001	5.1	2.3	V	8.8	V	6.3	v	5.7	٧	5.7	٧	9	v	240	v ×	280
Toluene	4900000	47000000	200	069	V	89.	V	6.3	V	5.7	V	5.7	٧	9	v	240	v	280
trans-1,2-Dichloroethene	1600000	23000000	011	53	V	80.0	v	6.3	V	5.7	v	5.7	٧	9	v	240	v .	280
trans-1,3-Dichloropropene	1800	8200	0.17	8	v .	8.0	V	6.3	v	5.7	V	5.7	٧	9	v	240	v .	280
Trichloroethene	940	0009	0.18	8.	v	2.8	V	6.3	V	5.7	V	5.7	v	9	v	240	v .	280
Trichlorofluoromethane	730000	3100000	730	SNS	v '	90.0	V	6.3	v	5.7	v	5.7	v	9	v	240	v .	280
Vinyl chlonde	660000	00/1	0.0065	69.0	v v	80.00	v 1	6.3	V 1	2.7	v ,	5.7	v :	9	v	240	v .	280
Aylenes (total)	280000	0000067	I N	2800	,	0.0	/	0.3	,	2.7	V	2.7	v	0	v	740	7	780

Indicates not detected at the reporting limit indicated.
J Estimated result < PQL and > MDL.
Bold text with gray background indicates parameter was detected in sample.
Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SS).

Table 3
Summary of Volatile Organic Compound Concentrations in Soil Samples From Pole Winder Building
Shakespeare Composite Structures
Newberry, SC

			Risk-	MCL-	B-42-12		B-43-2		B-43-10	0	B-43-14	4	B	B-44-3	В	B-44-8	B	B-44-14
Date Collected	Laboratory ID USEPA RSL Date Collected Residential Industrial	A RSL Industrial	Based	Based	PF04097-009	60	PF05058-001		PF05058-002	4	PF05058-003	-003	PF05	PF05058-004	PF0.	PF05058-005 06/05/14	PF05	PF05058-006 06/05/14
Volatile Organic Compounds by USEPA Method 8260B (ug/kg)	P.A Method 82	60B (ug/kg)				1		1		1								
1.1.1-Trichloroethane	8100000	36000000	2800	20	< 300	ľ	5.7	_	5.9	r	< 5.4		v	5.3	v	4.4	v	5.6
1,1,2,2-Tetrachloroethane	009	2700	0.03	NS	< 300	V	5.7	V	5.9		> 5.4		v	5.3	v	4.4	v	5.6
1,1,2-Trichloro-1,2,2-Trifluoroethane	40000000	170000000	140000	NS	< 300	٧	5.7	٧	5.9		> 5.4		v	5.3	٧	4.4	v	5.6
1,1,2-Trichloroethane	1100	2000	680.0	1.6	> 300	٧	5.7	٧	5.9		> 5.4		V	5.3	v	4.4	v	9.9
1,1-Dichloroethane	3600	16000	0.78	NS	< 300	V	5.7	٧	5.9		> 5.4		v	5.3	v	4.4	v	9.9
1,1-Dichloroethene	230000	10000001	100	2.5	> 300	٧	5.7	٧	5.9		> 5.4		v	5.3	y	4.4	v	5.6
1,2,4-Trichlorobenzene	24000	110000	3.3	200	< 300	٧	5.7	٧	5.9		< 5.4		v	5.3	v	4.4	v	9.6
1,2-Dibromo-3-chloropropane (DBCP)	5.3	\$	0.00014	980.0	< 300	V	5.7	٧	5.9		< 5.4		V	.3	V	4.4	v	9.6
1.2-Dibromoethane (EDB)	36	160	0.0021	0.014	< 300	V	5.7	٧	5.9		> 5.4		v	.3	V	4.4	v	9.6
1.2-Dichlorobenzene	1800000	9300000	300	580	< 300	V	5.7	٧	5.9		< 5.4		v	6	v	4.4	٧	9.6
1.2-Dichloroethane	460	2000	0.048	1.4	< 300	V	5.7	٧	5.9		< 5.4		٧	33	٧	4.4	٧	9.6
1,2-Dichloropropane	1000	4400	0.15	1.7	< 300	V	5.7	٧	5.9		< 5.4		v	.3	v	4.4	٧	5.6
1,3-Dichlorobenzene	NS	NS	NS	NS	< 300	V	5.7	٧	5.9		< 5.4		v	.3	v	4.4	v	9.6
1.4-Dichlorobenzene	2600	11000	0.46	72	< 300	V	5.7	٧	5.9		> 5.4		v	.3	V	4.4	٧	9.6
2-Butanone (MEK)	27000000	000000061	1200	SN	< 610	٧	/ 11	/J/E <	12	/J/E	= >	/J/E	٧	1 /J/E		4.8 J/J/E	v	11 /J/E
2-Hexanone	200000	1300000	80.	NS	< 610	٧	=	٧	12		> 11		v	1	٧	6.8	٧	=
4-Methyl-2-pentanone	5300000	26000000	280	SN	< 610	V	=	٧	12		V		٧	-	v	6.8	٧	=
Acetone	61000000	0000000029	2900	NS	< 1200	٧	23 //	/J/E <	24	/J/E	< 22	/J/E		6 J/J/E		55 /J/E	٧	22 /J/E
Benzene	1200	5100	0.23	2.6	< 300	V	5.7	٧	5.9		> 5.4		٧.	33	٧	4.4	V	9.6
Bromodichloromethane	290	1300	0.036	22	< 300	V	5.7	٧	5.9		< 5.4		v	3	٧	4.4	v	9.6
Bromoform	67000	290000	2.4	21	< 300	V	5.7	٧	5.9		> 5.4		v	.3	V	4.4	v	9.6
Bromomethane (Methyl bromide)	0089	30000	1.9	NS	< 300	V	5.7	٧	5.9		> 5.4		v	.3	٧	4.4	٧	9.6
Carbon disulfide	770000	3500000	240	NS	< 300	٧	5.7	٧	5.9		> 5.4		v	.3	٧	4.4	٧	9.6
Carbon tetrachloride	059	2900	0.18	1.9	< 300	V	5.7	٧	5.9		> 5.4		v	.3	٧	4.4	v	9.6
Chlorobenzene	280000	1300000	53	89	< 300	V	5.7	V	5.9		> 5.4		V	5	v	4.4	v	9.6
Chloroethane	14000000	22000000	2000	SN	< 300	V	5.7	٧	5.9		> 5.4		v	E.	V	4.4	V	9.6
Chloroform	320	1400	0.061	22	< 300	V	5.7	V	5.9		> 5.4		v	.3	V	4.4	٧	9.6
Chloromethane (Methyl chloride)	110000	460000	49	SN	< 300	٧	5.7	٧	5.9		> 5.4		٧	.3	v	4.4	v	9.6
cis-1,2-Dichloroethene	160000	2300000	=	21	< 300	<u> </u>	5.7	٧	5.9		> 5.4		v	3	V	4.4	v	9.6
cis-1,3-Dichloropropene	1800	8200	0.17	SN	< 300	V.	5.7	٧	5.9		> 5.4		v	.3	v	4.4	v	9.6
Cyclohexane	0000059	27000000	13000	NS	> 300	٧	5.7	V	5.9		> 5.4		v	m.	v	4.4	v	5.6
Dibromochloromethane	730	3200	0.045	21	> 300	V	5.7	٧	5.9		> 5.4		٧	w.	v	4.4	v	2.6
Dichlorodifluoromethane	82000	370000	300	SS	> 300	V	5.7	٧	5.9		> 5.4		v	w i	v	4.4	V	5.6
Ethylbenzene	2800	25000	1.7	08/	> 300	V	5.7	V .	6.6		2.4		v	× •	v	4.	V	2.0
Isopropylbenzene	1900000	0000066	740	SZ	> 300	V	5.7	۷ .	5.9		2.4		v	5.3	V	4.4	V	
Methyl acetate	78000000	1.2E+09	4100	S S	200	V 1	5.7	/J/E <	6.6	/J/E	4.0	13/E	v 1	3 /J/E	V 1	4.4 /J/E	v 1	5.6 /J/E
Methyl lentary butyl ether (M I BE)	4,000	210000	7.5	CN SI	200	-		1.1	2.0		***		, ,	ú c	, ,		/ 1	0.0
Methydene chloride	57000	1000000	20	13 13	300	/ V	5.7	/ V	40		5.4		, v	, "	/ v	4.4	/ V	2.0
Change climated	0000009	3500000	1300	911	300	_			40		2.4			. "	· V	4.4	· V	2.4
Tetrachlorouthere	24000	100000	5.1	23	300			/ V	40		5.4		, v	, "	/ V	4.4	/ V	2.5
Tolum	4000000	47000000	260	009	300			_	40		24			. "	٠,	4.4		2.5
trans-1 2-Dichloroethene	0000091	23000000	91	36	300	' V	5.5	' V	80		54		· v	. "	v	44	v	2.0
trans-1.3-Dichloropropene	1800	8200	0.17	SN	> 300	٧	5.7	V	5.9		5.4		v	. "	v	4.4	٧	5.6
Trichloroethene	940	0009	0.18	1.8	< 300	V	5.7	V	5.9		> 5.4		v	1	v	4.4		14
Trichlorofluoromethane	730000	3100000	730	SN	< 300	V	5.7	٧	5.9		> 5.4		V	6	٧	4.4	v	5.6
Vinyl chloride	59	1700	0.0065	69.0	< 300	V	5.7	٧	5.9		> 5.4		V	.3	٧	4.4	V	5.6
Xylenes (total)	580000	2500000	190	0086	< 300	V	5.7		5.9		< 5.4		v	6	v	4.4	v	5.6

Indicates not detected at the reporting limit indicated.
J Estimated result < PQL and > MDL.
Bold text with gray background indicates parameter was detected in sample.
Bold outline indicates an exceedance of the Risk- or MCL-Based Soil Screening Level (SS).

Table 4 Summary of Volatile Organic Compounds in Groundwater Shakespeare Newberry, South Carolina

0.05 600 600 600 600 600 600 600 600 600 6	Sample ID Laboratory ID USEPA PD12011-0	SEPA Metho NS NS NS 7 70 70	^ ^ ^ ^ ^ ^ PD	MW-1-20140411 PD12011-001 04/11/14 1260B (µg/L)	MW-1 PD23036-001 04/22/14	MW-1 1 PE22065-001 05/22/14 <		MW-1 PF11017-004 PI 06/11/14 NA	MW-2)23036-002 04/22/14	MW-3 PD23036-003 04/22/14	MW4 PD23036-004 04/22/14	MW-5 4 PD23036-005 A 5 A 5 A 5 A 5 A 5 A 5 A 5		MW-6 PE22065-003 05/22/14	MW-7 PE22065-002 05/22/14	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	MW-8 PD23036-008 04/23/14	MW-8 PE22065-004 05/22/14	MW-8 M7 PE22065-004 PD230 05/22/14 04/2	MW-8 MW-9 PE22065-004 PD23036-009 I 05/22/14 04/23/14	MW-8 MW-9 TMW-9 PEZ2065-004 PDZ3036-009 PD08080-001 05/22/14 04/23/14 04/08/14 <pre></pre>	MW-8 MW-9 TMW-9 PEZ2065-004 PDZ3036-009 PD08080-001 05/22/14 04/23/14 04/08/14
600 600 600 600 600 600 600 600	0		^ ^ ^	w w w	v v v	^ ^ ^			5, 5, 5	v v v	^ ^ ^		\ \ \ \ \	^ ^ ^	^ ^ ^ 60 00 00 00 00 00 00 00 00 00 00 00 00	^ ^ ^ 6	^ ^ /	^ ^ /	^ ^ 50 ^ 60 ^ 60 ^ 60 ^ 60 60 60 60 60 60 60 60 60 60 60 60 60 6			
A A A A A A A A A A A A A A A A A A A		5	^ ^	O1 O1	v v	^ ^			· vs vs	^ ^	· ^ ^									50	50	50
E S S S S S S S S S S S S S		NS	^ ^	S	۸ ۸	۸ / د د			· vs ·								50 < 5	50	50	50 < 50 < 50 < 50 < 50	50 < 50 < 50 < 50 < 50 < 50	50
NS		75	^	5 5						^ ^ 5	^ ^ 5	^ ^	10 5	10 ^ ^		^ ^	^ ^		^ 100	^ 100	\(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \	\(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \
NS 610 H/m	(MEK)	NS	^ ^	10						10	^ /	. ^ /	10		. ^ .	100	100	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\(\) 100 \(\) 100 \(\) 100 \(\) 100 \(\) 100 \(\)	\(\) 100 \(\)	\(\text{100} \) \(\te	\(\text{100} \) \(\te
bromide) bro	2-pentanone	NS	٨							^ 20	^ 20	^ ^	20	20 <	20 < 200		200	200 < 20 <	200 < 20 < 200 < 200 < 3	200 < 20 < 200 < 200 < 200 < 200	200 < 20 < 200 < 200 < 200 < 20 < 20 / 1/E	200 < 20 < 200 < 200 < 200 < 20 < 20 / 1/E < 20 /1/E
Bromide Bo Bo Bo Bo Bo Bo Bo B		s NS	10	5 H//h						^ ×		۸ ،	5 8	^ .			50 0.29 J// <	50 0.29 3// < 50 <	50 0.29 3// < 50 < 50 <	50 0.29 3// < 50 < 50 < 50 < 5	50 0.29 3// < 50 < 50 < 50 < 5	50 0.29 3// < 50 < 50 < 50 < 5 < 5
bromide) 80-1 NS NS NS NS NS NS NS NS NS N	ichloromethane	80 1	_	5	^ 5	^ 5			s	^ 5	^ 5	٨	s	^	5 < 50	5 < 50 < 5	^ 5	< 5 < 50 <		< 5 < 50 < 50 < 50 < 50	< 5 < 50 < 50 < 50 < 5	< 5
B	òrm	80 1	_	5	^ 5	^ 5					· ·	۸ ۸	n un	\ \	· · · · · · · · · · · · · · · · · · ·	\	^ ^	^ ^	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
byl chloride) NS	Bromomethane (Methyl bromide)	N S	7.7	<i>y</i> 04	× ×	^ ^			5 5	^ ^	^ ^	^ ^	o, o	۰ ۰ ۲	5 ^ 50		50 0.	50 0.47 3// <	50 0.47 3// <	50	50	50
NS NS NS NS NS NS NS NS	tetrachloride	v 5	_	O, C	^	^				^	· ^	^ ^	h U1		· · · · · · · · · · · · · · · · · · ·	× × 50	50	50	50	50	50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50 < 50 < 5
Horide) 80 1	Chlorobenzene	100	_	. .	^ ^	^ ^			5 , 0	۸ ۸ ه	۸ ۸ ه	^ /	s, c	^ /	5 ^ 50	50	50	50 < 50 < 50	50 < 50 < 50 < 50 < 50	50 < 50 < 50 < 50	50 < 50 < 50 < 50	50 < 50 < 50 < 50
hloride) NS NS NS NS NS NS NS NS NS N	hloroform	80	_	S (^ s	^ 5			, on	· ^	· ^	۸ ۸	h Ui	, o	5 ^ 50		50	50	50	50	50	50
MS NS	Chloromethane (Methyl chloride)	70 NS		<i>y</i> 0	۸ ۸ د د	^ ^			5 , 0	۸ ۸ ه	1	A /	S	5, 0	5 620	9	95	95 75	95 75	95 75 80 < 50	95 75 80 < 50	95 75 80 < 50
T(MTBE) NS NS NS NS NS NS NS NS NS N	cis-1,3-Dichloropropene	SN	_	S	· ^	^ ^			, (A	۸ ۸ ۸	۸ ۸	^ ^	, v	s s	5 < 50		50 <	50 < 5 <	50	50	50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50
NS	Syclohexane	80 80		u, c	۸ ،	۸ ،			· ·	^ 5	^	٨	s	5			50 < 5 < :	50 < 5 < 50	50 < 5 < 50	50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50
Name of the continue	Dichlorodifluoromethane	NS	_	A (A	۰ ۸ ۸	^ ^			o, o,	۸ ۸ ۸	^ ^	^ ^	s s	ر د د د د	5		50	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50	50	50	50
acetate NS A<	sopropylbenzene	NS		5	۸ ,	^			h uh	v v	۸ ۸ ۸	^ ^	, v,	^ ^	s < 50			50 < 2.1 J//	50 < 2.1 3// < 50	50 < 2.1 3// < 50	50 < 2.1 J// < 50 < 50 < 50 < 50 < 50	50 < 2.1 J// < 50 < 50 < 50 < 50 < 50
NS 5	Methyl acetate Methyl tertiary butyl ether (MTBE)			Un C	۸ /	۸ ،			· ·	^	^	. ^					50 < 5	50 < 5 < 50	50 < 5 < 50	50 < 5 < 50	50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50
100	Methylcyclohexane		_	u, u,	۸ ۸ ۸	^ ^			Ch U	۸ ۸	^ /	^ /	ch c	S C	5 < 50	× 50 × 5	^	^	< 5 < 50 · 50	< 5 < 50 < 50 < 50 < 50	< 5 < 50 < 50 < 50 < 50	< 5 < 50 < 50 < 50 < 50
1000	Styrene	100			\ A	0.4	-		, _{\(\dagger)}	۸ ۸ ه ۸	^ ^	^ ^	N 0	^	5 < 50			50 < 5	50 < 5	50 < 5	50 < 5 < 50 5.7 J// < 50	50 < 5 < 50 5.7 J// < 50
NS	letrachioroethene	100	_		^ ′	^ .			٠ د	^	^ 5	٨	s	<i>s</i>	5 < 50						50 < 5 < 50 < 50 < 50	50 < 5 < 50 < 50 < 50 < 5
NS	oluene rans-1,2-Dichloroethene	100		S, C	^ .	^ .			· · ·	^	^	. ^	, 0	0 00	5 18 J//		J// 0.	J// 0.87 J// <	J// 0.87 J// < 50 <	J// 0.87 J// < 50 < 50 <	J// 0.87 J// < 50 < 50 < 50	J// 0.87 J// < 50 < 50 < 50 < 5
methane NS < 5 < 5 < 5 < 6 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7	rans-1,3-Dichloropropene	Z				^ ^	\		, ,	, ,	^ ^	1	68	68	68 40 111			.1// 19 1100	./// 19 1100 890 3	1// 19 1100 890 350	1// 19 1100 890 350	1// 19 1100 890 350
2 < 2 < 2 < 10 < 2 < 2	Trichloroethene	Z o		u, u	^ ^	^ /	,			۸ ، ده	^ ·	٨	J,	5 <		^	< 5 <	< 5 < 50 <	< 5 < 50 < 50 <	< 5 < 50 < 50 < 50	< 5 < 50 < 50 < 50 < 5 <	< 5 < 50 < 50 < 50 < 5 < 5 <
	Vinyl chloride	2		2	^ 2	^ 2	٨			^ 2	^ 2	. ^	, 2	. 2	2 23		23 3	23 3.8 <	23 3.8 < 20 <	23 3.8 < 20 < 20 <	23 3.8 < 20 < 20 < 20	23 3.8 < 20 < 20 < 20 < 2

Companie	Sample ID Laboratory ID US	USEPA	TMW-13 PD09069-002	TMW-14 PD09069-003	TMW-15 PD09069-004	PE.	PE	PD14037-002	PE21017-020	PE21017-019	PE22065-008	PE22065-006	PE28058-001	PE28058-002	PE29054-001	PE30022-001	PE30022-002	PE30022-003	PF04097-011
Technic Companie de Control Co	-	-	04/09/14	04/09/14	-	04/11/14	04/14/14	04/14/14	05/20/14	05/20/14	05/22/14	05/22/14	05/28/14	05/28/14	05/29/14	05/30/14	03/30/14	03/30/14	
Tenthal state of the control of the	Volatile Organic Compounds by USEPA M	Method	0.5	1	1 / 5	1 2	1 < 25	1 < 5	1 < 25	< S	< 100	< 50	^ 5	< 50	^ 5	^ 5	^ 5	^ 5	٨
The problem of the pr		200	\ ^0	^ ^	۸ /	۸ /		^ .	× 25	^ ·	< 100	< 50	^ 5	< 50	^ 5			^ 5	٨
Section (Section (Sec		No 3		^ .	^ .	^ 5		< 5	< 25		< 100		^ 5	< 50	^ 5			^ 5	
debatement property (APC) 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE OLD COMMIS	A :		^ 5	^ 5	^ 5		^ 5	< 25				^ 5		^ 5			^ 5	
Interimental property (1997) 1012 7 7 7 7 7 7 7 7 7		SN		۸ ، د	^ 5	^ 5		^ 5	< 25	0.5			^ 5	< 50	^ 5	0.52 J//	1.8 3//	, 5,	1
September (1971)		7		^ 5	^ 5	^ 5		^ 5	< 25				, 0	· 50	. 5	1.1 1//	2.5 3//		
Applications (PARCY) 10.2 1 5.9 1 5.		70		^ 5	^ 5	^ 5		^ 5	^ 25	. ^				6 20		, ,			-
Methodomomomomomomomomomomomomomomomomomomo	-	0.2		^ 5	^ 5	, 0		· ^	×	. ^			, 0	4 6		۸ <i>۱</i>	۸ <i>/</i>	۸ /	
manusume (New York) Promision (NEE)		0.05			^ ^	^ ^		۸ /	^ 25	^ /	100		۸ ،	< 50	۸ د	^ 5	^	^ 5	
September 1988 1989 1999 1999 1999 1999 1999 199		000		, ,	^ /	^ .		^ 5	^ 25	^ 5	< 100		^ 5	< 50	^ 5	1 J//	^ 5	0.71 J//	
Separations (NEE) No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	1,2-Dichlorographe	n 0		۸ <i>ا</i>	^ .	۸ ،		^ 5		^ 5	< 100		^ 5	< 50	^ 5	^ 5	^ 5	^ 5	
Maritaniana (Maritaniana Maritaniana Marit		S		^ 5	^ 5	^ 5		^ 5		^ 5	< 100	< 50	^ 5	< 50	^ 5	^ 5	^ 5	^ 5	
Market M		75	< 50	^ 5	^ 5	^ 5		^ 5	< 25	^ 5	< 100	< 50	^ 5	< 50					
perlamente NS		SN		< 10	< 10	< 10		< 10	× 50	^ 10		100		100	_			100	
perlatamente NS		SN	< 100	< 10						10		100		100				^ 10	٨
omenthame 3. 3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	4-Methyl-2-pentanone	Z		^	^	. /			^ 100	< 20		< 200	34	< 200	6			< 20	
commentheme 89,1	Acetone	2 3		^ ^		^ 5				0.29 J//	_	< 50	^ 5	< 50	^ 5	0.28 J//	0.52 J//	^ 5	۸
mare (Achtyr) brownide) No. 2, 25, 25, 25, 25, 25, 25, 25, 25, 25,	chloromethane	80 1	< 50	^ 5	^ 5	^ 5		^ 5		^ 5	_		^ 5	< 50	^ 5	^ 5	^ 5	^ 5	
and (Methyl brownisk) NS		80 1	< 50	۸	^	^ 5		^ 5	< 25	^ 5	< 100		< 5	< 50	^ 5	^ 5	^ 5	^	٨
NS A SO A	ane (Methyl bromide)	SN	< 50	۸	^ 5	^ 5	< 25	^ 5	< 25	^ 5	_		^	· 50				, ,	٨
S S S S S S S S S S	Carbon disulfide	SN		^ 5	^	^ 5		۸ ,	< 25	^ 5			, ,	5 20	۸ ۸ م	^ ^	۸ ۸ ۸ ۵	^ ^	^ ^
(Methyl chloride) NS	Carbon tetrachloride	5		h 5	\ A	^ ^		^ ^	^ 25	^ /			۸ <i>ا</i>	< 50°	۸ ،	۸ ،	5	۸ . ده	
Match Polithorida Match	Chlorobenzene	No.		^ /	^ /	^ /		۸ .	< 25	^ 5		< 50	^ 5	< 50	^ 5	^	^ 5	^ 5	
Methyletheride Meth	Charles	80 -		^ .	^ 5	^ 5		^ 5	< 25	^ 5	_		^ 5	< 50	^ 5	^ 5	^ 5	^ 5	٨
The continuity of the continui	Chloromethane (Methyl chloride)	SN		^	^ 5			^ 5	< 25	< 5	_	< 50	^ 5	< 50	^ 5	^ 5	^ 5	< 5	۸
No concentance NS c 50 c 5	cis-1,2-Dichloroethene	70	110	35	^ 5	120		۸ ،	1.7 3//		. 100 100	57	7	5 50	, ,	, 34	1.20	. o.o J.	1
NS < 50 < 50 < 50 < 50 < 50 < 50 < 50 < 5	cis-1,3-Dichloropropene	SN	< 50	. ^	^			۸ ۸					۸ <i>/</i>	< 50°	۸ <i>/</i>	^ ′	۸ <i>،</i>	۸ ،	٨
wordshame 80° 50° 50° 6	Cyclohexane	Z	^ 30		. /			^ /					۸ ,	< 50	^ 5	^ 5	^ 5	^ 5	٨
NS NS NS NS NS NS NS NS	Dibromochloromethane	200	0 00	^ ^	^ /	۸ /		^ /		۸ .			^ 5	< 50	^ 5	^ 5	^ 5	^ 5	٨
keine NS 4 50 6 50	Fihvlbenzene	700	< 50	^ 5	^ 5	^ 5		^ 5		^ 5			^ 5	× 50		۸, ۰۸	^ 5		
NS < 50 < 5 < 6 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7	Isopropylbenzene	SN		^ 5	^ 5	^ 5	< 25	^		. ^		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		6 20	, ,	, ,	1.4 4//	, ,	
(MTBE) NS < 50 < 50 < 50 < 50 < 50 < 50 < 50 < 5	Methyl acetate	SN	× 50	^	, ,	\ \	^ 25	^ ^		^ ^	^ 100		۸ / ده	^ / 50	۸ <i>/</i>	۸ /	۸ <i>/</i>	۸ ،	
NS	Methyl tertiary butyl ether (MTBE)	S	× 50	, ,	^ ^	^ ^	^ 25	۸ /		۸ ،	< 100		^ 5	< 50	^ 5	^ 5	^ 5	^ 5	
100 < 50	Methylene chloride	s ?	< 50°	^ .	۸ ,	^ 5	< 25	^ 5		^ 5	< 100	50	^ 5	^ 50	^	^ 5	< 5	^ 5	
5 8 J// () 4 J// () 4 J// () 4 J// () 1 J// () 4 J// () 1 J// () 4 J// () 1 J// () 4 J// () <t< td=""><th>Styrene</th><td>100</td><td>< 50</td><td>^ 5</td><td>0.22</td><td>J// < 5</td><td>^ 25</td><td>^ 5</td><td></td><td>^</td><td>7.1 1//</td><td>46 3//</td><td>18</td><td>9.8 J//</td><td>, ,</td><td>//E 97.0</td><td>U.40 J//</td><td>0.00 3//</td><td>10</td></t<>	Styrene	100	< 50	^ 5	0.22	J// < 5	^ 25	^ 5		^	7.1 1//	46 3//	18	9.8 J//	, ,	//E 97.0	U.40 J//	0.00 3//	10
1000 < 50	Tetrachloroethene	5	8 J	^ 5	٨	^	^ 25	^		\ \		65	, LI	4 4	۸ <i>/</i>	^ /	۸ / ۸ ر	× 5	
NS < 50 < 5 < 6 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7	Toluene	1000	< 50	^ 5	^ 5			\ \ \		63	9.8		۸ <i>ا</i>	× 50	^ .	^ .	. I.3 J//	^ .	
100 100 100 100 100 100 100 100 100 100	trans-1,2-Dichloroethene	100	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	^ 2.4	^ >	^ ^		^ /		^ %			۸ ه		^ 5	< 5	< 5	< 5	
omethane NS < 50 < 5 < 5 < 25 < 5 < 5 < 5 < 5 < 5 < 5 <	trans-1,3-Dichloropropene	, No	7 30	a	046			^ 5		22	1100	790	140	620	1.8 J//	120	34	150	(7)
2 < 20 < 2 < 10 < 2 < 10 < 2 < 10 < 2 < 10 < 20 < 2	Trichloroethene	Z o	v 50		< 5	< 5	< 25	^ 5	< 25	< S	< 100				^ 5	^ 5	< 5		٨
10000 C 50 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C	Vinyl chloride	2			< 2	4.2		< 2							< 2	1.7 3//	9.5	^ 2	٨
WWW COUNTY OF THE PARTY OF THE	Vidence (total)	10000			^ 5	^ 5		^ 5		< 5	< 100		^ 5		< 5	< 5	< 5	^ 5	٨

I A III AI CITICITAC	Vinyl chloride	Trichlorofluoromethane	Trichloroethene	trans-1.3-Dichloropropene	trans-1 2-Dichloroethene	Tolivene	Tetrachloroethene	Styrene	Methylene chloride	Methylcyclohexane	Memy ternary outly cure (1811 DE)	Michiga accuracy	Mathy acetate	Isopropylbenzene	Ethylbenzene	Dichlorodifluoromethane	Dibromochloromethane	Cyclohexane	cis-1,3-Dichioroproperie	Cls-1,2-Didillorocations	cis-1 2-Dichloroethene	Chloromethane (Methyl chloride)	Chloroform	Chloroethane	Chlorobenzene	Carbon tetrachloride	Carbon disulfide	Bromomethane (Methyl bromide)	Bromoform	Bromodichloromethane	Benzene	Acetone	4-Methyl-2-pentanone	2-Hexanone	2-Butanone (MEK)	1.4-Dichlorobenzene	1 3-Dichlorobenzene	1 2-Dichloropropage	1,2-Dichlorochane	1 2 Dicklorohenzene	1,2-Dibromo-3-chloropropane (DBCr)	1,2,4-Trichlorobenzene	1,1-Dichloroethene	1,1-Dichloroethane	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2,2-Tetrachloroethane	1,1,1-Trichloroethane	Volatile Organic Compounds by USEPA Method	Date Collected	Sample ID Laboratory ID
	2	NS	5	NS	100	1000	5	100	5	. 23	Nic	Z'S	NS	NS	700	NS	80	No	NIC S	Z.	70	SN	80 1	NS	100	s	NS	NS	80	80 1	O.	SN	NS	SN	SN	75	SN	S,	, i	600	200	000	70	, No	0	NS	NS	200	A Method	MCL	-
	< 20	< 50	280	< 50		< 50	< 50	31	^ 30		1		< 50	< 50			٠.		× 50	< 50	36	< 50	< 50	< 50	< 50			< 50	< 50	< 50	< 50	< 200	< 100	< 100	< 100	< 50	< 50	< 50	< 50	< 50	× 50	^ 50	^ ^	50				٨		06/05/14	PF05058-011
	< 20	< 50	470	< 50	< 50	< 50	< 50	J// 32	^	50	^ 5 0	< 50	< 50	< 50	^ 30	^ 30	^ 30		^ 50	< 50	3// 2.4	< 50	< 50	^ 30	^ 50			< 50		< 50	^ 30	< 200	< 100	< 100	< 100	< 50	< 50	< 50							^ ^			× 50		06/04/14	PF
< 25	< 10		180	< 25	< 25	× 25	< 25	J// 4.3	1	20	< 25	< 25	< 25	^ 25					< 25	< 25	J// 3.2	< 25	< 25	^				< 25	· 25	< 25	^ 23	× 100		< 50	< 50	< 25	< 25	< 25	^ 25	< 25	< 25	< 25			^ 25	7 25	200	7 25	36	00/00/14	PF
< 50	< 20		800	< 50	< 50	< 50	< 30		1	^ 50	< 50	< 50	< 50	× 30	50	40	5 6	50	< 50	< 50	J// < 50	< 50	< 50	7 30			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		× 50	× 50	7 30	200	× 100	< 100	< 100	^ 50	< 5 0	< 50	< 50	< 50							1 50	1 50	0.50	110000	PF
^	^ 2				^ 5				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	^ 5	^ 5	^ 5	^ 5	. /	, ,	^ '	^ .	^	^ 5	^ 5	^ 5	^	^		^ .	^ ′	^ /	, ,	. ^	^		1 10					^	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^	۸ ،	۸ ,	^ /	2 2	- CHANGE	PG18051-002
^ 5	^			^	^			,	^	^ 5	^ 5	^ 5	^		^ .	^ .	^ .	^	^ 5	< S	^ 5	^	^		^ .	^ .	^ /		, ,				7 70				^	^	^ 5	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ .	۸ .	^ ^	Or a district	2 PG18051-003
^ 5	^	. ^	111	^	^		, ,	^ .	^ 5	^ 5	^ 5	^ 5	^		^ .	^ 5	^	^ ^	^	^ 5	^		. ^		^ 5	^ .	۸ ،	A .	, ,		,		100	100				^	^ 5	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^	^	^ ^		PG21048-001
^ 3					, ,	, ,	,	^	^ 5	^ 5	^ 5	^ 5		,	^	^	^ 5	^ 5	^ 5	^ 5	^	. /	, ,		^ 5	^ 5	۸ ،	^ .	A /	,				100		1 1		^	^	۸ ، د	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	< 5		PG22051-001
< 3		30	200	100	h 0	. /	· · ·	0.79 J	^ 5	^ 5	^ 5	^	, ,	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	0.27 3/	1	, ,	^	^ 5	^ 5	^	^ .	۸ <i>/</i>	, ,	^	^ 5		100		^ /	, ,	. ^	^	^	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	< 5		PG22051-002 07/22/14
^ 3	, ,	۸ /	^ .	^ /	, ,	, ,	^ '	× 5	^ 5	< 5	^	^	, ,	^ ^	^ 5	^ 5	^	^ 5	^	۸			, ,	^	^ 5	^ 5	^	^	۸ ,	,	^	^ 5	< 20	^ 10	100	^ /	, ,	, ,		^	^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	< S		PG22051-003
× 3 //		^ 2 // J	^ ^	^ /			^ 5	< 5 //	< 5 //	< 5 //	< 3 //	× 3		· · ·	5	< 5 //y	< 5 //y	< 5 //	< 5 //y	^ 3 //y	1 3 113	5 16		^	< 5 //y	< 5 //y	< 5 //y	< 5 //v	< 5 //v	5 1/w	< 5 //w			< 10 //v		< 10 //y		^ ^	1 0 119	· · · · · · · · · · · · · · · · · · ·	· 5 //5	< 5 //s	< 5 //5	< 5 // ₅	< 5 //3	< 5 //5	< 5 //y	< 5 //y	< 5 //y		PG23068-001 07/23/14
y \ 3	_	^ 2	^ ^	^ ^	^ /	^ ^	^ 5	^ 5	^ 5	× 5	^ 3	. /		^ ^	^ 5	^ 5	^ 5	^ 5	^	, ,			^ .	^ ^	^ 5	^ 5					^ ^	٨	٨	^ /	^ 10	^ 10	A .	^ ^		, ,	^	^	^	^ 5	^ 5	^ 5	^ 5	^ 5	< 5		PG22051-004 07/22/14
	3		< 100 //v	1600 //v	< 100 //v	< 100 //w	< 100 //v	< 100 //y	< 100 //y	< 100 //y	× 100 //y			< 100 //v	< 100 //y	< 100 //y	< 100 //y	< 100 //y	< 100 //y			< 100 //v		< 100 //v	< 100 //y	< 100 //y	< 100 //y			< 100 //v	< 100 //v	< 100 //y	< 400 //y		< 200 //v			< 100 //y					100	100	100	< 100 //y	100	< 100 //y	< 100 //y		PG23068-002 07/23/14
		^ 2	< 5	130	۸ ،	^	^ 5	^ 5	^ 5	^ 3	. /		^	^ 5	^ 5	^ 5	^ 5	< 5	^ 3	1		19 J	^	^ 5	< 5	< 5	^ 5	< 5	^ 5	^ 5	^ 5	^ 5	< 20	^ 10	^ 10	< 10 ·	^ .	۸ /	, ,	^ ^	, ,	. ^	۸ ,	^	^ 5	^ 5	^ 5	^ 5	< 5		PG24056-001 07/24/14
,		^ 2	< 5	12	^	^ 5	^ 5	^ 5	^ 5	۸			^	^ 5	^ 5	^ 5	^ 5	^ 5	1	, ,		^	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	^ 5	< 20	< 10	< 10	< 10	^	۸ /	A (A /	h 0	, ,		^	^	^ 5	^ 5	^ 5	^ 5		PH14053-004 08/13/14
I.	2	^ 10	< 25	< 25	× 25		< 25	< 25	< 25	^ 25	3.5	7 25	^ 25	< 25	< 25	< 25	< 25	< 25	1 23	25	^ 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 100 /J/E	< 5 0	< 50	< 5 0	< 25	< 25	^ 25	^ 25	25	25	^ 25	^ 25	< 25	< 25	< 25	< 25	< 25		PH22039-002 08/22/14
	^	< 2	^ 5	40	^	^	^ 5	^ 5	^ 5	^		,	^	^ 5	^ 5	^ 5	^ 5	^ 5	-	, ,	^ .	^ 5	^	^ 5	^ 5	^ 5	^ 5	^ 5	< 5	^ 5	^ 5	^ 5	< 20	< 10	< 10	< 10	^ 5	۸ ،	A .	۸ /		h U		^	^	^	^ 5	^ 5	^ 5		PH26027-002 08/25/14

Table 4 Summary of Volatile Organic Compounds in Groundwater Shakespeare Newberry, South Carolina

Table 5
Summary of Volatile Organic Compounds in Intermediate Groundwater
Shakespeare
Newberry, South Carolina

				- 11				remotify, south carolina	1115		١							
Sample ID Laboratory ID	USEPA	TW BG	TMW-35 (35) PG23068-003	-	PG23	TMW-36 (43.5) PG23068-004		TMW-47-41 PH14053-001		TMW-49-45 PH14053-002	-	TMW-51-35 PH14053-003	TM	TMW-79-35 PH26027-001	TM	TMW-80-35 PH22039-001	TMV	TMW-101-37 PH28036-006
Date Collected		0	07/23/14	_	07/	07/23/14	-	08/13/14		08/13/14	-	08/13/14	õ	08/25/14	0	08/22/14	80	08/28/14
Volatile Organic Compounds by USEP	A Method		8260B (µg/L,	(7)														
1,1,1-Trichloroethane	200	v	2	1/8	v	2	//y <	2		< 5	V	. 5	v	25	v	5	v	5
1,1,2,2-Tetrachloroethane	NS	v	S	Š	v	2	/y ×	2		< 5	٧		v	25	v	2	٧	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	v	S	Š	V	2	//y <	2	_	< >	٧	2	٧	25	v	S	٧	5
1,1,2-Trichloroethane	2	V	S	\$	v	2	\ \ \ \	S		× ×	٧	5	v	25	٧	2	٧	2
1,1-Dichloroethane	NS	v	'n	\$	V	2	V.	2		s ×	٧	2		1.7 J//	v	2	V	2
1,1-Dichloroethene	7	v	S	1/2	v	2	V V	2	_	< >	٧	2		4.6 3//	v	2	٧	2
1,2,4-Trichlorobenzene	20	v	S	Ş	v	2	y v	2	-	< >	٧	2	v	25	v	2	v	2
1,2-Dibromo-3-chloropropane (DBCP)	0.2	v	S	Ş	v	2	V.	2	-	< >	٧	2	v	25	٧	2	v	2
1,2-Dibromoethane (EDB)	0.05	٧	S	Ş	v	2	/v	2		< 5	٧	2	V	25	v	S	٧	2
1,2-Dichlorobenzene	009	٧	S	3	v	2	V.	2		s >	٧	5	v	25	V	S	٧	5
1,2-Dichloroethane	2	V	2	1/3	V	S	×	5		> >	٧	2	V	25	V	2	٧	8
1,2-Dichloropropane	S	v	S	3	V	2	V	2		< 5	٧	\$	٧	25	٧	S	٧	2
1,3-Dichlorobenzene	SN	V	S	3	V	S	/y \	S	_	< >	٧	5	V	25	v	5	V	2
1,4-Dichlorobenzene	75	v	5	3	v	2	/y	2		< 5	٧	8	٧	25	V	5	V	5
2-Butanone (MEK)	NS	٧	10	3	v	10	ly.	1.8	1//	> 10	٧	10	V	20	v	10	٧	10
2-Hexanone	NS	V	10	1/8	v	01	//y <	10		01 >	٧	10	٧	50	V	10	v	10
4-Methyl-2-pentanone	NS	٧	10	13	v	/ 01	//y	10	-	> 10	٧	10	V	50	V	10	v	10
Acetone	SN	٧	20	1/2	v	20 /	//y	7.6	1//	< 20	٧	20	٧	100	V	20	V	20
Benzene	S	٧	S	1/3	V	2	\ \ \ \	2		0.25 JIII	V	8	٧	25	٧	S	3	141 3//
Bromodichloromethane	80	٧	2	1/2	v	5	/ V	S	_	< ×		8	٧	25	٧	5	V	2
Bromoform	- 08	٧	5	1	v	5	\ \ \ \	5		y	٧	4	٧	35	٧	4	٧	
Bromomethane (Methyl bromide)	NS	٧	2	` &	V	5	×	2		· · ·	٧		V	25	v	, ,	v	, ,
Carbon disulfide	NS	٧	2	1	v	2	×	5		· · · ·	٧	S	V	25	V		V	2
Carbon tetrachloride	5	٧	2	1/3	V	2	/y ×	2	-	> >	٧	8	٧	25	V	5	٧	0
Chlorobenzene	100	٧	2	1/3	V	5	//y <	2		< 5	٧	8	v	25	٧	S	٧	S
Chloroethane	NS	V	2	/y	V	2	۸ ک	S		< 5	٧	S	v	25	v	2	٧	2
Chloroform	80	٧	2	1/3	v	5	//y <	2	-	< 5	٧	5	٧	25	٧	5	٧	2
Chloromethane (Methyl chloride)	NS	٧	2	//x	v	5	/y ×	S	-	< 5	V	2	v	25	٧	2	v	2
cis-1,2-Dichloroethene	70	٧	2	1/4	v	5	lly.	12		39		0.37 3//		86		1.2 3//	٧	S
cis-1,3-Dichloropropene	NS	٧	S	//x	v	5	//y <	2	-	< 5	٧	2	v	25	٧	5	٧	5
Cyclohexane	NS	٧	2	//	V	5	//y ×	S		< 5	٧	2	V	25	٧	2	٧	S
Dibromochloromethane	80	V	2	//x	V	5	y ×	2		< 5	٧	S	٧	25	٧	2	٧	2
Dichlorodifluoromethane	NS	٧	S	//x	v	5 /	۸ ۸	2		< 5	٧	5	v	25	٧	2	٧	2
Ethylbenzene	200	V	S	1/2	V	5	/y	S	-	< 5	٧	2	v	25	٧	2	٧	S
Isopropylbenzene	NS	٧	2	/x	v	5	×	2	-	< 5	٧	2	v	25	v	2	٧	2
Methyl acetate	SN	v	S	//	v	5	× ×	2	-	2	٧	2	٧	25	٧	5	٧	2
Methyl tertiary butyl ether (MTBE)	S	V	'n.	/y	V	2	× /	S	-	2	٧	2	v	25	٧	2	٧	S
Methylcyclohexane	S.	v 1	0	<u> </u>	v '	0	٧ ·	n .	_	· ·	V	S.	v	25	V	2	٧	2
Metnylene chloride	n 5	v .	0 1	, ;	v .	0	× .	n .	_	v .	٧	5	v	25	V	2	٧	0
Styrene	3 .	v	0	<u></u>	v .	0	×	0	-	2	K	0.43 3//	v	25	v	2	٧	2
I etrachloroethene	^	v	n	À.	v	2	//y <	8	-	×	٧	2	v	25	٧	2	v	2
Toluene	000	V	S	l'y	v	5 /	//y	2	_	× ×	٧	2	V	25	V	5		7.6 3//
trans-1,2-Dichloroethene	100	٧	S	Y.	V	5	/y	2	_	> 2	٧	2	٧	25	٧	2	v	2
trans-1,3-Dichloropropene	S	v	S	3	V	2	٧ <u>۸</u>	S	+	5	٧	2	v	25	٧	2	v	5
Trichloroethene	5		0.39	3//3	v	2	<u>}</u>	160	1000	23	٧	5		260		0.41 3//	•	171 3/
Trichloroffuoromethane	SN	v	n	Š.	v	2	//y ^	S	_		٧	5	v	25	٧	2	v	2
Vmyl chloride	7	v	~	Š.	v	7	×	2		< 2	٧	2	v	10	v	7	V	2
Xylenes (total)	10000	V	^	Ý	,	2	٧ <u>٨</u>	2	4	2	٧	5	v	25	v	2	v	5

Table 6
Summary of Volatile Organic Compounds in Deep Groundwater
Shakespeare
Newberry, South Carolina

Completin		AC VIDA	Newberry.	South Carolina	CIL AUX	- min	- mun	- maa
Laboratory ID	USEPA	PH28036-004	PF	PH28036-003	PH28036-002	PH28036-005	PH27059-001	PH27059-002
Volatile Organic Compounds by USEPA	A Method	8260B (ue/L)	1100000	110700	10700	110700	100,000	100/21/14
1,1,1-Trichloroethane	200	< S	> 5	< 25	< 5	< ×	× ×	\$ v
1,1,2,2-Tetrachloroethane	NS	× ×	< >	< 25	v v			
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	× ×	> >	< 25	× ×	· · ·		· · ·
1,1,2-Trichloroethane	2	> >	< >	< 25	< 5	< ×	< 5	< ×
1,1-Dichloroethane	SN	> >	> 5	< 25	< ×	< v	0.43 3//	
1,1-Dichloroethene	7	> >	< >	< 25	< >	> >	< > S	> 5
1,2,4-Trichlorobenzene	70	> 5	< 5	< 25	< 5	> >	< ×	> >
1,2-Dibromo-3-chloropropane (DBCP)	0.2	> >	> 5	< 25	< >	× ×	· · ·	× ×
1.2-Dibromoethane (EDB)	0.05	· · ·	× ×	< 25	· v	· ·		· ·
1.2-Dichlorobenzene	009	· · ·	×	> 25	· v	· ·		· ·
1.2-Dichloroethane	4	· ·	· ·	25	· ·	· ·		, ,
1.2-Dichloropropane	, ,	· ·		25 >	· ·	, v	· ·	n •
1 3-Dichlorobenzene	SZ	· ·	· ·	25	· ·		, v	, v
1.4-Dichlorobenzene	75	· ·	· ·	25	· ·	· ·	, v	o v
2-Butanone (MEK)	SN	> 10	01 >	> 20	01 >	01 >	01 >	2 0
2-Hexanone	SN	> 10	01	20 05	01 >	01 >	01 >	0 0
4-Methyl-2-pentanone	S.Z.	10	01 >	200	2 0	0 0	2 2	10
Acetone	NS	< 20	< 20	> 100	> 20	> 20	< 20 /J/E	< 20 /I/F
Benzene	2	0.43 3//	< ×	< 25	< v	v v		v v
Bromodichloromethane	1 08	< 5	v	< 25	<	v .	y	· ·
Bromoform	1 08			30	, ,	, ,		, ,
Dromomothers (Mother) Learnigh	No.	0 4	0 4	2 5	· ·	0 '	o .	· ·
Corbon disulfida	SNO	0 4	0 4	5 5	0 4	o •	o .	× ·
Carbon tetrachlorida	CN 4	0 4	o 4	2 2	0 1	0 '	٠ ·	v .
Carbon teuachionae	n 6	n	o •	2 2	s .	v .	s ·	>
Chlorochizene	201	n v	o •	57 >	× ·	v .	v .	> >
Chloroethane	S	0	o v	< 25	s ×	× ×	>	< 5
Chloroform	. 08	< v	< v	< 25	< 5	< 5	< >	2.9 J//
Chloromethane (Methyl chloride)	NS	>	< 5	< 25	< v	< 5	< >	< >
cis-1,2-Dichloroethene	20	s v	18	< 25	0.64 3//	//F 9.0	3.5 3//	< 5
cis-1,3-Dichloropropene	NS	v v	< v	< 25	× ×	× ×	× ×	< 5
Cyclohexane	SN	< v	v v	< 25	× ×	× ×	< 5	< 5
Dibromochloromethane	80 1	< >	< v	< 25	< 5	> >	< 5	< >
Dichlorodifluoromethane	NS	< v	< v	< 25	< 5	< 5	< v	< v
Ethylbenzene	200	v v	< v	< 25	< v	< 5	< 5	< v
Isopropylbenzene	SN	v .	> >	< 25	< v	× ×	v >	< 5
	SN	v .	v .	< 25	< ×	> 5	× ×	< v
Methyl tertiary butyl ether (MTBE)	S	v .	v v	> 25	v .	2	v v	× ×
Metnylcyclonexane	S.	o .	o '	2 2	٠ ٧	s v	>	s v
Metnylene chloride	0 0	2000	v v	2 2	v .	× ×	v .	< v
Styrene	3	0.29 J//	S .	< 25	v .	< ×	>	< v
Tetrachioroethene	000	v .	//r I	< 25	× ×	> 2	13 3//	< >
Loluene	1000	×	v v	> 25	< 5	> >	v v	> 2
trans-1,2-Dichloroethene	8	v v	< >	< 25	× 5	< 5	< 5	< v
trans-1,3-Dichloropropene	SN	v v	< 5	< 25	< 5	< 5	< 5	< 5
Trichloroethene	2	>	40	210	45	39	190	۰ د
Trichlorofluoromethane	SN	< ×	< 5	< 25	< 5	< 5	< >	< > S
Vinyl chloride	7	2	> 2	> 10	2	< 2	< 2	> 5
Xylenes (total)	10000	< >	< 5	< 25	< 5	< 5	< >	< 5

Table 7 Results of Additional Chemical and Biological Testing Site Investigation

Shakespeare Composite Structures, LLC

Newberry, South Carolina

		Newberry, South (arolina			
		Location ID	MW-1	MW-6	MW-7	MW-8
		Sample Date	5/22/2014	5/22/2014	5/22/2014	5/22/2014
		Sample ID	MW-1	MW-6	MW-7	MW-8
Method	Analyte	Unit DQL				
Dissolved Gases						-
AM20GAX	Acetylene	ug/l	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
AM20GAX	Ethane	ug/l	0.25	0.18	0.012J	0.041
AM20GAX	Ethylene	ug/I	0.092	0.50	0.0075J	0.039
AM20GAX	Hydrogen	nM	1.0	9.2	11	6.9
AM20GAX	Methane	ug/l	0.49	400	79	150
AM20GAX	Propane	ug/l	0.27	0.11	0.12	0.025J
AM20GAX	Propene	ug/l	< 0.05	0.22	<0.05	0.048J
AM20GAX	iso-Butane	ug/l	0.048J	0.017J	<0.05	<0.5 U
AM20GAS	n-Butane	ug/l	0.095	0.026J	<0.05	0.019J
Inorganics-Other Pa	rameters					
CNA:SM 2320B	Alkalinity, Total (As CaCO3)	mg/l	<10	12	5.6 J	11
CNA:EPA 353.2	Nitrate	mg/l 10	0.19	<0.02	0.019 J	0.1
CNA:EPA 353.2	Nitrite	mg/l	<0.02	0.0042	<0.02	<0.02
CNA:EPA 300.0	Bromide	mg/l	<0.2	0.035	0.19 J	0.14
CNA:EPA 300.0	Chloride	mg/l	1.3	14	6.1	6.6
CNA:EPA 300.0	Sulfate as SO4	mg/l	11	2.9	<1.0	4.2
SW6010B	Ferric Iron (calculation)	mg/l	0.063	<0.1	0.3	ND
TMTL:EPA 6010C	Iron	mg/l	0.023 J	5.6	0.045 J	0.24
TMTL:EPA 6010C	Manganese	mg/l	0.23	0.071	0.1	0.13
TMTL:EPA 6010C	Dissolved Iron	mg/L	<0.1	5.3	<0.1	0.17
DMTL:EPA 6010C	Manganese (dissolved)	mg/l	0.22	0.072	0.99	0.13
SM3500-FE-D	Ferrous Iron	mg/l	<0.05	5.7	0.15	0.38
SM4500-S2F	Sulfide	mg/l	<1.0	0.9	<1.0	<1
CVOCs						
SW-846 8260	Cis-1,2 Dichloroethene	ug/L 70	<5	620	95	80
SW-846 8260	Tricholoroethene	ug/L 5	<5	40	19	890
SW-846 8260	Vinyl Chloride	ug/L 2	<2	23	3.8	<20
Fatty Acids						
AM23G	Acetic Acid	mg/l	0.047J	0.052J	0.0094J	0.228 J
AM23G	Butyric Acid	mg/l	0.044J	0.033J	0.031J	0.034 J
AM23G	Formic acid	mg/l	0.12	0.12	0.095J	0.078J
AM23G	Hexanoic acid	mg/l	<0.02	<0.50U	<0.50U	<0.50U
AM23G	i-Pentanoic Acid	mg/l	< 0.15 U	< 0.15 U	0.065J	<0.15U
AM23G	Lactic Acid and HIBA	mg/l	<0.1	0.028J	< 0.10 U	<0.10 U
AM23G	Pentanoic acid	mg/l	< 0.070 U	< 0.070 U	< 0.070 U	< 0.070 U
AM23G	Propanoic acid	mg/l	0.025J	0.039J	0.02J	0.022J
AM23G	Pyruvic Acid	mg/l	< 0.15 U	< 0.15 U	0.05J	< 0.15 U
Organic Compounds				, ,		
CNA:SM 5310C	Total Organic Carbon	mg/l	1.1	2.7	0.97	1.1
Microbial						
	Dehalococcoides		<3.00E-01	3.41E+01	<3.00E-01	6.00E-01
	Dehalobacter spp		3.6E+00	3.11+03	<3.00E+00	2.56E+02

Notes

ug/L - micrograms per liter

mg/L - milligrams per liter

nM - nanometer

uS/cm - microsiemens per centimeter

NTu - nephlometric turbidity units

< and U indicate paramter was not detected in sample above intrument detection limit J parameter concentration is estimated because it is below the detection limit for

that compound

Bold indicates parameter was detected in sample

DQL - Data Quality Limit [maximum contaminant limit (MCL) for CVOC]

Concentration exceeds DQL

^{*} Final reading beofre sample collecion.

Table 8 Summary of Volatile Organic Compounds in Groundwater Supply Wells Shakespeare Newberry, South Carolina

Sample ID		1	PW-I	PW-2			PW-S	9-Md	PW-7	Boazman Tap	m
Date Collected	MCL	977	6/4/2014	6/4/2014	6/4/2014	6/4/2014	06/26/14	PF26034-002 06/26/14	PG18051-001	PF09029-001	PE29054-002
Volatile Organic Compounds by USEPA	Method	8260	8260B (ug/L)								
1,1,1-Trichloroethane	200	v	0.5	< 0.5	< 0.5	< 0.5	> \$	< >	< 5	× ×	< 25
1,1,2,2-Tetrachloroethane	SN	v	0.5	< 0.5	< 0.5	< 0.5	< 5	s >	s v	v v	× 25
1,1,2-Trichloro-1,2,2-Trifluoroethane	SN	v	0.5	< 0.5	< 0.5	< 0.5	v ×	< >	< v	۸ د	> 25
1,1,2-Trichloroethane	2	v	0.5	< 0.5	< 0.5	< 0.5	< v	< 5	< >	< ×	< 25
1,1-Dichloroethane	SN	v	0.5	< 0.5	< 0.5	< 0.5	< >	v .	< v	v v	> 25
1,1-Dichloroethene	7	v	0.5	< 0.5	< 0.5	< 0.5	< >	< >	s ×	< v	< 25
1,2,4-Trichlorobenzene	70	v	0.5	< 0.5	< 0.5	< 0.5	s ×	< 5	> >	< v	> 25
1,2-Dibromo-3-chloropropane (DBCP)	0.2	٧	0.2	< 0.2	< 0.2	< 0.2	< v	< >	s v	\$° ×	< 25
1,2-Dibromoethane (EDB)	0.05	٧	0.2	< 0.2	< 0.2	< 0.2	v v	< ×	· · ·	v	25
1,2-Dichlorobenzene	009	v	0.5	< 0.5	> 0.5	< 0.5	v v	· ·	· ·	· ·	25
1.2-Dichloroethane	5	V	0.5	< 0.5	× 0.5	× 0.5	× ×				25
1,2-Dichloropropane	2	v	0.5	< 0.5	< 0.5	< 0.5	× ×	· · · · · · · · · · · · · · · · · · ·	· · ·	· ·	× ×
1,3-Dichlorobenzene	NS	٧	0.5	< 0.5	< 0.5	< 0.5	× ×	× ×	· · ·	· · ·	25
1,4-Dichlorobenzene	75	v	0.5	< 0.5	< 0.5	< 0.5	× ×	>	2 4	× ×	2 2
2-Butanone (MEK)	SN	V	0.5	< 0.5	× 0.5	< 0.5	01 >	01 >	01 >	46 11/1	v
2-Hexanone	SZ	V	0.5	> 0 >	> 0 >	> 0 >	01 >	01 >	01 >	× 10	2 5
4-Methyl-2-pentanone	S.	v	0.5		× 0.5	0 5	01 0	2 2	2 9		8 5 / v
Acetone	SN	٧	0.5	> 0.5	× 0.5	> 0 >	02 >	> 20	20 >	//1 91	, v
Benzene	2	٧	0.5		× 0.5	× 0.5	· ·				· v
Bromodichloromethane	- 08	٧	90	50 >	000	30					, ,
and a second of the second of	3	/	0.0		6.0	6.0	,	0	0	0	6
Bromotorm	. 08	v	0.5	< 0.5	× 0.5	< 0.5	× ×	s ×	v v	۰ ۷	< 25
Bromomethane (Methyl bromide)	SS	٧	0.5	< 0.5	< 0.5	< 0.5	> 2	< ×	v v	v v	< 25
Carbon disulfide	SN	V	0.5		< 0.5	< 0.5	× ×	< 5	× ×	v v	< 25
Carbon tetrachloride	S	v	0.5		< 0.5	< 0.5	< >	< 5	s v	v v	< 25
Chlorobenzene	8	V	0.5	0 1	< 0.5	< 0.5	v .	< >	s v	v v	× 25
Chloroethane	S.	V	0.5	< 0.5	< 0.5	< 0.5	× ×	< 5	> >	v v	< 25
Chloroform	.08	٧	0.5	< 0.5	< 0.5	< 0.5	× ×	< >	< ×	v v	< 25
Chloromethane (Methyl chloride)	NS	٧	0.5	< 0.5	< 0.5	< 0.5	s v	s >	s v	v v	< 25
cis-1,2-Dichloroethene	20	V	0.5	6.9	< 0.5	< 0.5	0.94	< ×	s v	s >	11.T T.T
cis-1,3-Dichloropropene	NS	v	0.5	< 0.5	< 0.5	< 0.5	< v	< >	s >	v v	< 25
Cyclohexane	NS	٧	0.5	< 0.5	< 0.5	< 0.5	v >	< >	s v	s ×	< 25
Dibromochlaromethane	80 1	v	0.5	< 0.5	< 0.5	< 0.5	< >	> >	v v	< v	< 25
Dichlorodifluoromethane	NS	٧	0.5	< 0.5	< 0.5	< 0.5	< >	< v	× ×	s v	< 25
Ethylbenzene	200	٧	0.5	< 0.5	< 0.5	< 0.5	< >	< v	< >	× ×	< 25
Isopropylbenzene	NS	٧	0.5	< 0.5	< 0.5	< 0.5	< >	< v	> >	< v	< 25
Methyl acetate	NS	٧	0.5	< 0.5	< 0.5	< 0.5	s >	< ×	< 5	< 5	< 25
Methyl tertiary butyl ether (MTBE)	NS	v	0.5	< 0.5	< 0.5	< 0.5	۰ ۲	< >	s ×	s ×	< 25
Methylcyclohexane	NS	٧	0.5	< 0.5	< 0.5	< 0.5	< >	v v	< v	< v	< 25
Methylene chloride	2	٧	0.5	< 0.5	< 0.5	< 0.5	۰ ۲	< >	s ×	s >	< 25
Styrene	100	v	0.5		< 0.5	< 0.5	< >	s ×	s v	v v	< 25
Tetrachloroethene	S	V	0.5		< 0.5	< 0.5	v v	۰ ۶	s v	s v	< 25
Tolnene	0001	v	0.5	< 0.5	< 0.5	< 0.5	v v	< v	< ×	۰ ۷	< 25
trans-1,2-Dichloroethene	90	V	0.5	< 0.5	< 0.5	< 0.5	< v	< v	× ×	< v	< 25
trans-1,3-Dichloropropene	SN	v	0.5	< 0.5	< 0.5	< 0.5	< 5	s ×	s ×	< v	< 25
Trichloroethene	2	v	0.5	3	< 0.5	< 0.5	15	s v	< s	< >	270
Trichlorofluoromethane	NS	V	0.5					s ,	< >	< ×	< 25
Vinyl chloride	7	V	0.2		< 0.2		2	2 >	2 >	7 V	ol >
Xylenes (total)	10000	v	0.5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 5	< 25

¹ - 1998 Final Rule for Disinfectants and Disinfection By-Products. The total for trihalomethanes is 80 µg/L. MCL - Maximum Contaminant Level (USEPA, April 2012)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold fort and shading indicates the analyte was detected.
Bold containe indicates an exceedance of the MCL.
See Table X for definition of data flags.

Table 9 Summary of Volatile Organic Compounds in Surface Water Shakespeare Newberry, South Carolina

Sample ID Laboratory ID Date Collected		SW-1 129019-0 08/29/14	1		SW-2 129019- 08/29/1-	-		SW-3 29019- 08/29/1	
Volatile Organic Compounds by USEP.	4 Me	thod 826	60B (μ	g/L)					
1,1,1-Trichloroethane	<	5	//y	<	5	//y	<	5	//y
1,1,2,2-Tetrachloroethane	<	5	//y	<	5	//y	<	5	//y
1,1,2-Trichloro-1,2,2-Trifluoroethane	<	5	//y	<	5	//y	<	5	//y
1,1,2-Trichloroethane	<	5	//y	<	5	//y	<	5	//y
1,1-Dichloroethane	<	5	//y	<	5	//y	<	5	//y
1,1-Dichloroethene	<	5	//y	<	5	//y	<	5	//y
1,2,4-Trichlorobenzene	<	5	//y	<	5	//y	<	5	//y
1,2-Dibromo-3-chloropropane (DBCP)	<	5	//y	<	5	//y	<	5	//y
1,2-Dibromoethane (EDB)	<	5	//y	<	5	//y	<	5	//y
1,2-Dichlorobenzene	<	5	//y	<	5	//y	<	5	//y
1,2-Dichloroethane	<	5	//y	<	5	//y	<	5	//y
1,2-Dichloropropane	<	5	//y	<	5	//y	<	5	//y
1,3-Dichlorobenzene	<	5	//y	<	5	//y	<	5	//y
1,4-Dichlorobenzene	<	5	//y	<	5	//y	<	5	1/3
2-Butanone (MEK)	<	10	//y	<	10	//y	<	10	//y
2-Hexanone	<	10	//y	<	10	//y	<	10	//y
4-Methyl-2-pentanone	<	10	//y	<	10	//y	<	10	//y
Acetone	<	20	//y	<	20	//y	130	11	J//
Benzene	<	5	//y	<	5	//y	<	5	//y
Bromodichloromethane	<	5	//y	<	5	//y	<	5	//y
Bromoform	<	5	//y	<	5	//y	<	5	//y
Bromomethane (Methyl bromide)	<	5	//y	<	5	//y	<	5	//y
Carbon disulfide	<	5	//y	<	5	//y	<	5	//y
Carbon tetrachloride	<	5	//y	<	5	//y	<	5	//y
Chlorobenzene	<	5	//y	<	5	//y	<	5	1/3
Chloroethane	<	5	//y	<	5	//y	<	5	1/3
Chloroform	<	5	//y	<	5	//y	<	5	//y
Chloromethane (Methyl chloride)	<	5	//y	<	5	//y	<	5	//y
cis-1,2-Dichloroethene	000	0.51	J//y	<	5	//y	<	5	//y
	<	5	//y	<	5	//y	<	5	//y
cis-1,3-Dichloropropene Cyclohexane	<	5	//y	<	5	//y	<	5	//y
Dibromochloromethane	<	5	//y	<	5	//y	<	5	//y
Dichlorodifluoromethane	<	5	//y	<	5	//y	<	5	//y
Ethylbenzene	<	5	//y	<	5	//y	<	5	//y
Isopropylbenzene	<	5	//y	<	5	//y	<	5	//y
Methyl acetate	<	5	//y	<	5	//y	<	5	//y
Methyl tertiary butyl ether (MTBE)	<	5	//y	<	5	//y	<	5	//y
Methylcyclohexane	<	5	//y	<	5	//y	<	5	//y
Methylene chloride	<	5	//y	2	5	//y	<	5	//y
Styrene	<	5		<	5	//y	<	5	//y
Tetrachloroethene	<	5	//y //y	<	5	//y	<	5	//y
Toluene	<	5	//y	<	5	//y	<	5	//y
	<	5	//y	<	5	//y	<	5	//y
trans-1,2-Dichloroethene	<	5		<	5	-	<	5	//5
trans-1,3-Dichloropropene	<	5	//y	<	5	//y	<	5	
Trichloroethene Trichlorofluoromethane	<		//y		5	//y	<	5	//5
	< <	5	//y	<	2	//y		2	//3
Vinyl chloride Xylenes (total)	<	2 5	//y //y	< <	5	//y //y	< <	5	//y

Notes

Bold font and shading indicates the analyte was detected. See Table X for definition of data flags.