

From: M Muthig IPGX <mgm.ipgx@gmail.com>
Sent: Monday, July 9, 2018 7:57 AM
To: Hornosky, Tim
Subject: 4210 Azalea Dr, Groundwater Monitoring Report

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Tim,

Attached is a copy of the subject report summarizing water-level data and analytical results for the groundwater sampling at the subject site. A printed copy of the report will be transmitted to your attention and should arrive within 8 business days.

Groundwater samples are collected semiannually. Samples are analyzed for volatile organic compounds, and results are submitted to the Department. The attached report is intended to meet the reporting requirements of the agreement.

In June 2018, at the request of DHEC, routine monitoring was coordinated with the adjacent property (4200 Azalea Dr) currently operated by Brenntag Southeast. As a result, sampling changed from March/April to June to coincide with sampling on the adjacent site. This report was updated to include monitoring results from the adjacent property (MW-5, 6, 8, 10, and 14).

We are also continuing to coordinate efforts with Brenntag and are discussing plans for additional assessment and potential soil/groundwater remediation.

We are in the process of finalizing the plan for additional assessment and will submit the plan in the next two weeks.

Please feel free to call me if you have any questions or comments regarding analytical results. I can be reached by phone at 803-414-2905 or email at mgm.ipgx@gmail.com.

Regards,

Michael

Michael Muthig, President
IPGX, Inc.
803-414-2905
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IPGX

Innovative Products and Services

**GROUNDWATER MONITORING REPORT
JUNE 2018 SAMPLING
4210 AZALEA DRIVE
CHARLESTON, SC**

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PM Copy*

Submitted to:

Division of Site Assessment, Remediation & Revitalization
Bureau of Land and Waste Management

S.C. Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

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JUL 13 2018

Prepared for:

Burris Environmental Services
4310 Amsterdam Street
N. Charleston, SC 29418

SITE ASSESSMENT,
REMEDICATION &
REVITALIZATION

Prepared By:

Michael G. Muthig, Ph.D., P.G.
SC Professional Geologist No. 803
IPGX, Inc.

June 2018



Signature

7/8/2018

Date

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A	Report of Analysis (Groundwater Samples)

1.0 Introduction

This report provides a summary of semiannual groundwater sampling for the former Burris Headquarters property located at 4210 Azalea Drive, N. Charleston, SC. Groundwater monitoring is performed semiannually from monitoring wells MW-4, 9, 10, 11, and 12. Because MW-12 contains a layer of light, non-aqueous phase liquid (lnapl), fluid levels are measured in MW-12, but samples for chemical analysis are not typically collected. Groundwater samples are analyzed for volatile organic compounds, and results are submitted to the SC Department of Health & Environmental Control (DHEC).

In June 2018, at the request of DHEC, routine monitoring was coordinated with the adjacent property (4200 Azalea Dr) currently operated by Brenntag Southeast. As a result, sampling changed from March/April to June to coincide with sampling on the adjacent site. This report was updated to include monitoring results for selected wells on the adjacent property (MW-5, 6, 8, 10, and 14).

Groundwater elevations are summarized in Table 1 and illustrated in Figures 2 and 3. Water-quality results are summarized in Tables 2, 3, and 4 and are illustrated in Figures 4, 5, 6 and 7. Lnapl thickness is illustrated in Figure 8. Certificates of Analysis for the reporting period are provided in Appendices A and B.

This report is intended to meet the reporting requirements of the Administrative Content Agreement between DHEC and Burris Environmental Services.

2.0 Groundwater Elevation

Groundwater elevations for the recent event are provided in Table 1. A groundwater elevation map is provided in Figure 2, and hydrographs for MW-4 and MW-9 are provided in Figure 3.

Brickyard Creek is located just west of the property and is a discharge point for shallow groundwater. Overall topography and surface water drainage is towards the west and is captured in a retention pond located between the office building and the creek. In general, groundwater flow is from east to west-southwest towards Brickyard Creek. The office building sits on a local ridge or topographic high, and groundwater elevations (and flow) appear to have a similar trend to surface topography (Figure 2).

Depth to groundwater below the site typically ranges from approximately 3 to 8 feet below ground surface. Groundwater elevations measured in the recent event generally increased from the prior event and are comparable to high levels reached 2014-2017. Prior extreme low groundwater levels were recorded between Fall 2002 to Spring 2003, from Fall 2011 through Fall 2012, and in spring 2017 (see hydrograph – Figure 3).

3.0 Groundwater Quality

Groundwater analytical results are summarized in Tables 2, 3, and 4 and Certificates of Analysis are provided in Appendix A. Water-quality maps are provided in Figures 4 and 6, and time-concentrations plots are provided in Figures 5 and 7. For illustration purposes, water quality data

are summarized for selected total chlorinated and total non-chlorinated volatile organic compounds.

Distribution of nonchlorinated volatile organics is shown in Figure 4. The highest concentrations are found in MW-14. Overall, the concentration of non-chlorinated volatiles has been decreasing and non-chlorinated volatile organic compounds are near or below detection limits in all wells except MW-12 (Tables 2 & 4 and Figures 4 & 5). There was a slight rebound in concentration in MW-4 (primarily benzene). An increase in non-chlorinated volatiles commonly follows notable decreases in water level elevation.

Distribution of chlorinated volatile organics (CVOCs) is shown in Figure 6. The highest concentrations of CVOCs for the recent event were found in MW-14 and MW-11. The first sampling from MW-11 took place in September 1997. The concentration of CVOCs were relatively low (200 ug/l) in the first sampling. MW-11 was not sampled again until the fall 2000, when the concentration was 4008 ug/l. The total concentration of total CVOCs was relatively stable for the next 6 events, then increased in the March 2005. Since mid-2007, the concentration of CVOC shows a decreasing trend. A period of low concentration is observed in late 2012 through mid-2013 which corresponds to an extreme low in groundwater levels.

In MW-4, the total concentration of CVOCs has shown an overall decrease since monitoring was initiated in 1991. The concentration of CVOCs was relatively low and stable between September 1997 and March 2001. There was an increased concentration in MW-4 in 2002. Since February 2002, the total concentration of chlorinated volatile compounds in MW-4 has fluctuated and tends to increase when water level decreases. From early 2005 through October 2016, there was a general decrease in the total concentration of CVOCs in MW-11 (Figure 7). Since late 2017, the concentration of CVOCs in MW-4 rebounded, but there remains an overall downward trend in concentration. The concentration of CVOCs in all other wells continues to show a decreasing trend (Table 3).

4.0 Lnapl Removal

In 2004, an investigation was performed to characterize the extent of LNAPL floating on the water table near MW-12. The scope of work included installing eight temporary monitoring wells to allow the direct measurement of LNAPL and a product baildown test. Data from assessment activity did not show evidence that the free-phase layer did not extend beyond the immediate vicinity of MW-12. Results of a product baildown test indicated the actual thickness of free-phase material floating on the water table at the time of the test was no more than two inches thick.

A free product removal program was initiated that included periodic removal of free-phase material from MW-12. Initial removal activity was performed on a weekly or more frequent basis. The frequency was decreased to every two weeks, and then to every three weeks to allow a sufficient volume of free-phase material to collect in the well. The thickness of LNAPL measured in MW-12 decreased from an apparent thickness of 3.5 feet prior to initiating recovery to non-detectable levels in November and December 2006. Lnapl was not detected in MW-12 between September 2007 and October 2010.

In Spring 2011, measurable lnapl was found again in MW-12. As a result, the lnapl program was resumed. The program includes measuring lnapl levels quarterly followed by manual removal of lnapl. Records of lnapl monitoring and removal data are illustrated in Figure 8. Lnapl thickness during the recent recovery event was 0.12ft. Lnapl thickness has been less than 0.2 feet since September 2016 (Figure 8). The volume of lnapl recovered during a single event has been decreasing and has been 2 pints or less since 2016 (Figure 8). To enhance recovery, the lnapl removal program will be modified to include periodic removal using vacuum recovery. Recovery will typically include one hour of vacuum enhanced recovery of lnapl. This will be accomplished by lowering a small diameter pipe (e.g., 1 to 1.5-inch diameter) into the well and applying a vacuum for up to one hour. Fluid levels will be measured prior to each event. After three recovery events, water samples will be collected from MW-12 for water quality testing. Data will be reviewed to evaluate effectiveness of the vacuum recovery program.

5.0 Summary & Planned Action

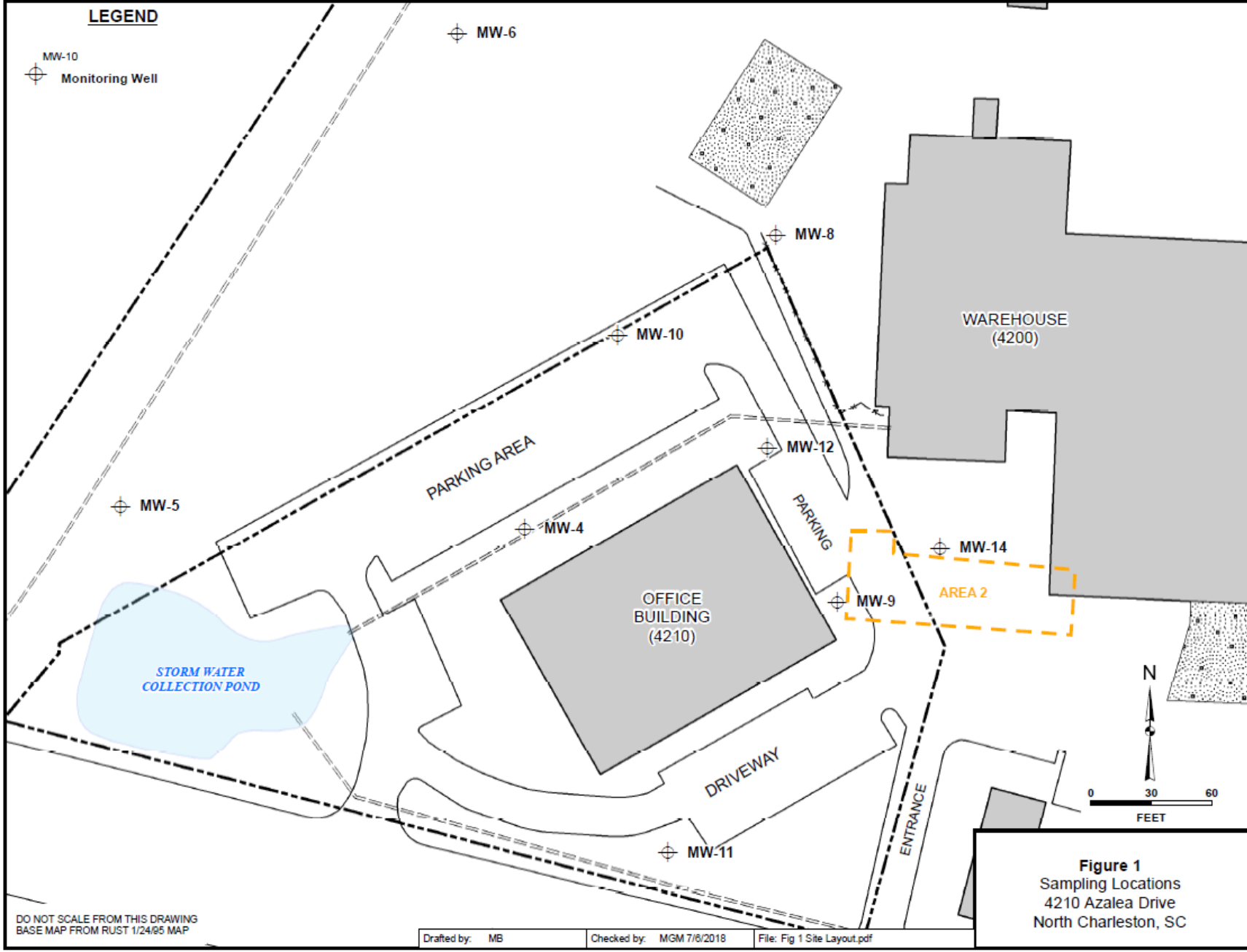
Groundwater monitoring is being performed on a semiannual basis. Overall, the concentrations of non-chlorinated volatiles have been decreasing and most non-chlorinated volatile organic compounds are at or below detection limits. MW- 11 and 14 showed the highest concentration of chlorinated volatile organic compounds. After showing a temporary rebound in concentration in 2002, chlorinated volatile organic compounds in MW-11 have shown a decreasing trend. In June 2018, sampling and analysis efforts were coordinated with the adjacent site in an effort to develop a better understanding of soil and groundwater conditions in the area.

Light, non-aqueous phase liquid was found in MW-12 during the April 2011 groundwater sampling event. In an effort to address the material in MW-12, a free-phase removal program was implemented. The program included quarterly removal of free-phase material from MW-12. Given the limited thickness of lnapl and the relatively small quantity that can be recovered in an event, the lnapl recovery program will be modified to include periodic vacuum-enhanced recovery. Data will be reviewed to evaluate effectiveness of the vacuum recovery program.

As part of ongoing efforts to develop a better characterization of soil and groundwater quality, a plan for additional soil/groundwater assessment will be implemented. The plan will be submitted for DHEC review and approval in July 2018. Efforts will continue to be made to work with the adjacent site to address soil and groundwater assessment and remediation efforts.

FIGURES

Figure	Title
1	Site Layout
2	Water-Level Elevation Map
3	Water-Level Hydrograph
4	Total Nonchlorinated Volatile Organics Map
5	Time-Concentration Graphs - Total Nonchlorinated Volatiles
6	Total Chlorinated Volatile Organics Map
7	Time-Concentration Graphs - Total Chlorinated Volatiles
8	Lnpl Thickness & Volume Recovered



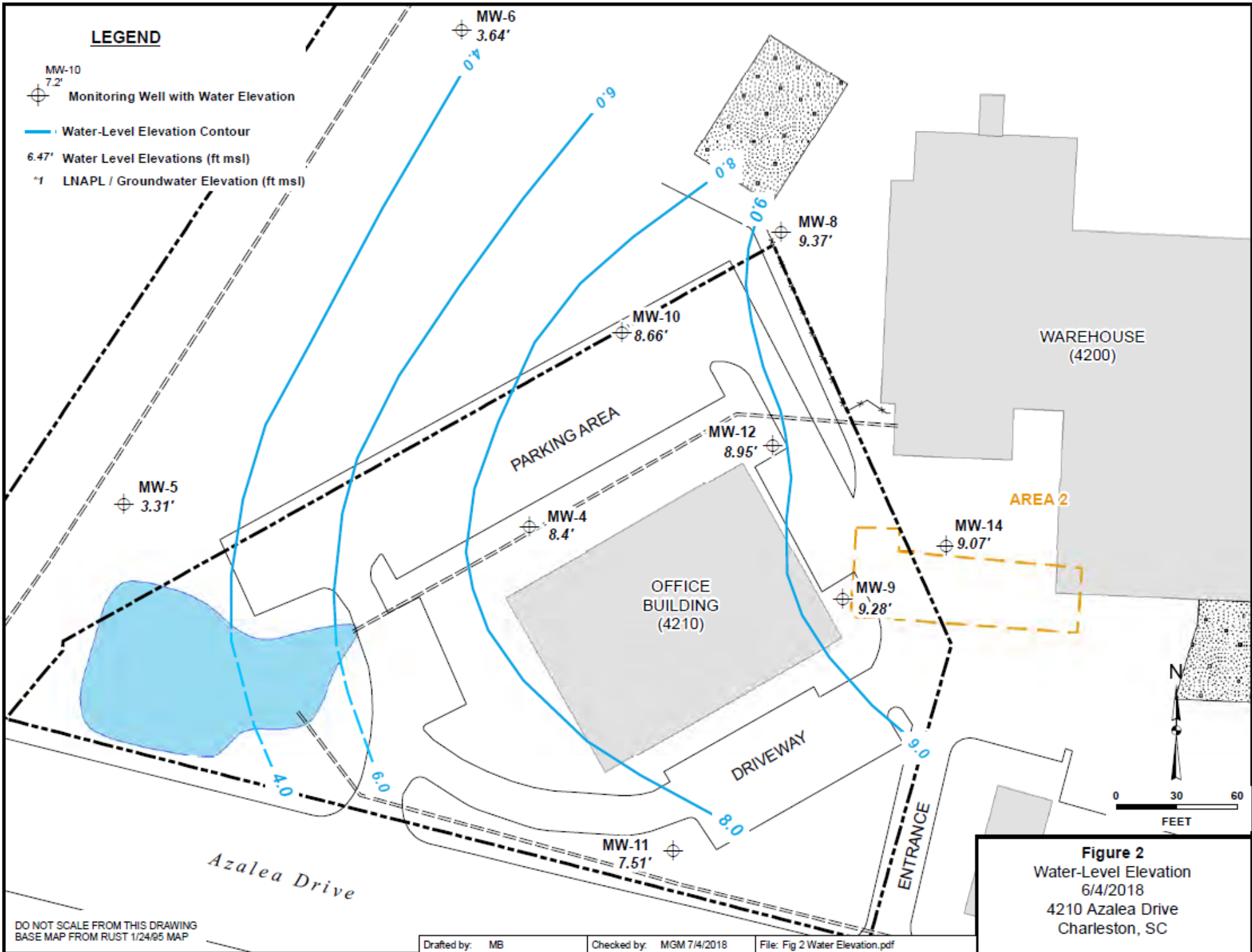
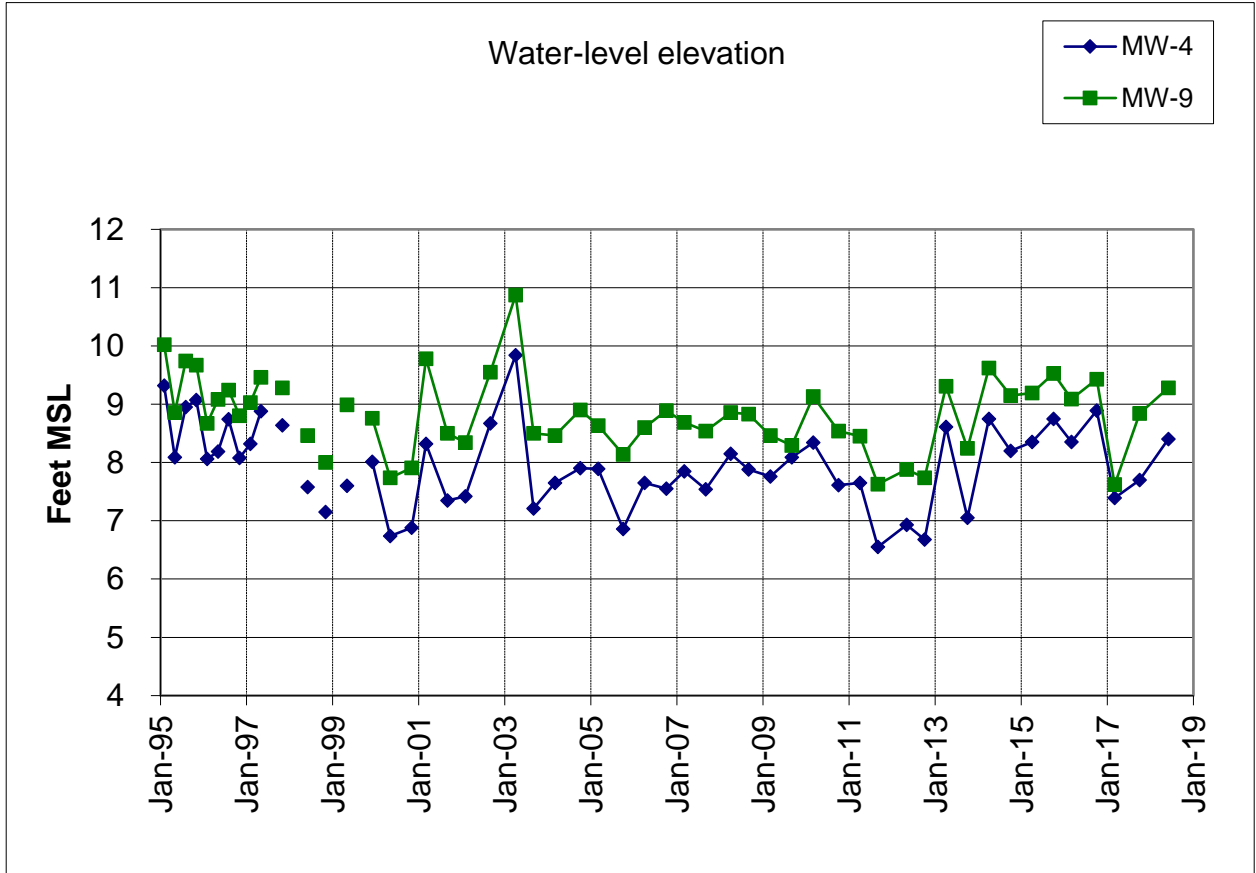


Figure 2
 Water-Level Elevation
 6/4/2018
 4210 Azalea Drive
 Charleston, SC

DO NOT SCALE FROM THIS DRAWING
 BASE MAP FROM RUST 1/24/05 MAP

Drafted by: MB Checked by: MGM 7/4/2018 File: Fig 2 Water Elevation.pdf

Figure 3. Water-Level Hydrograph



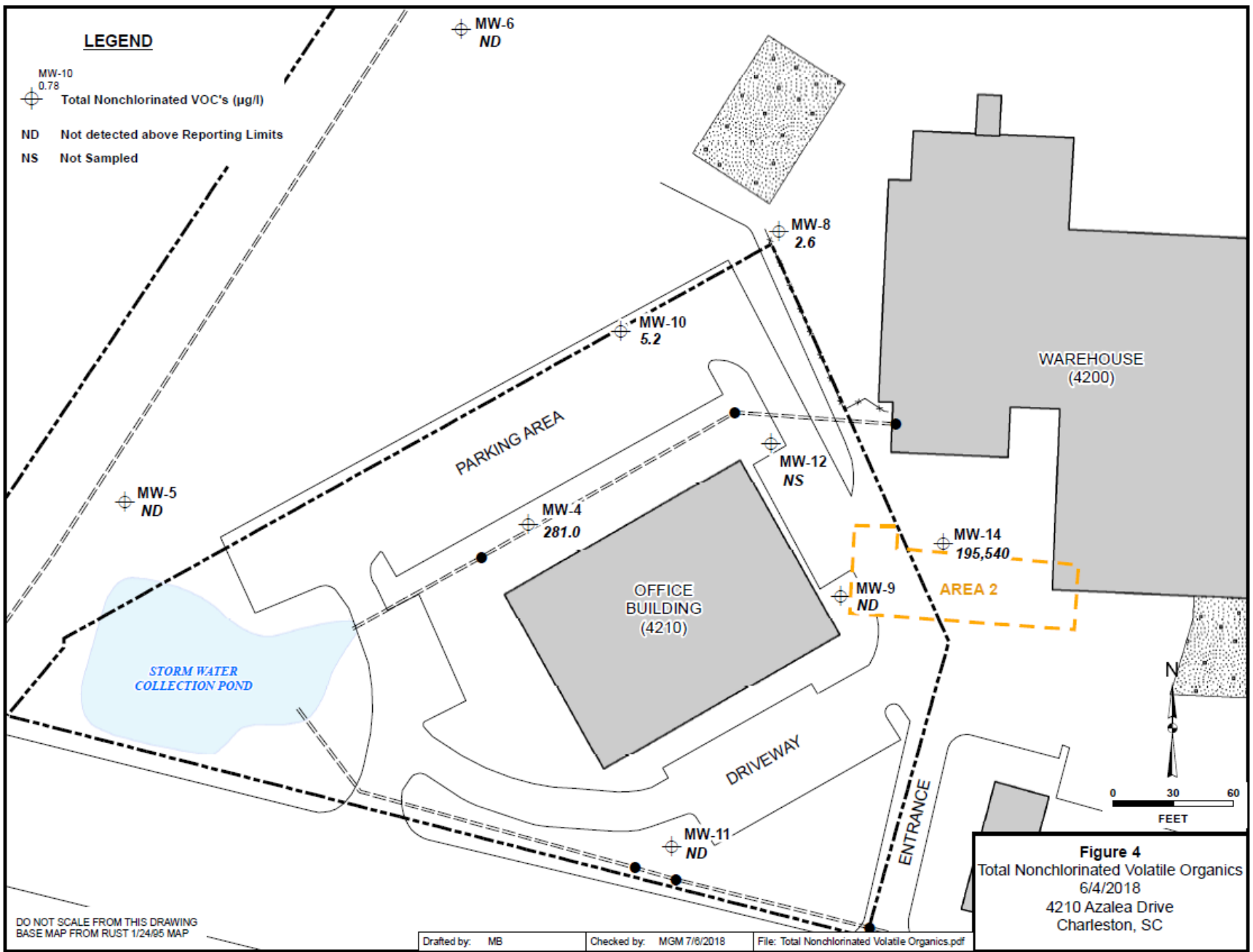
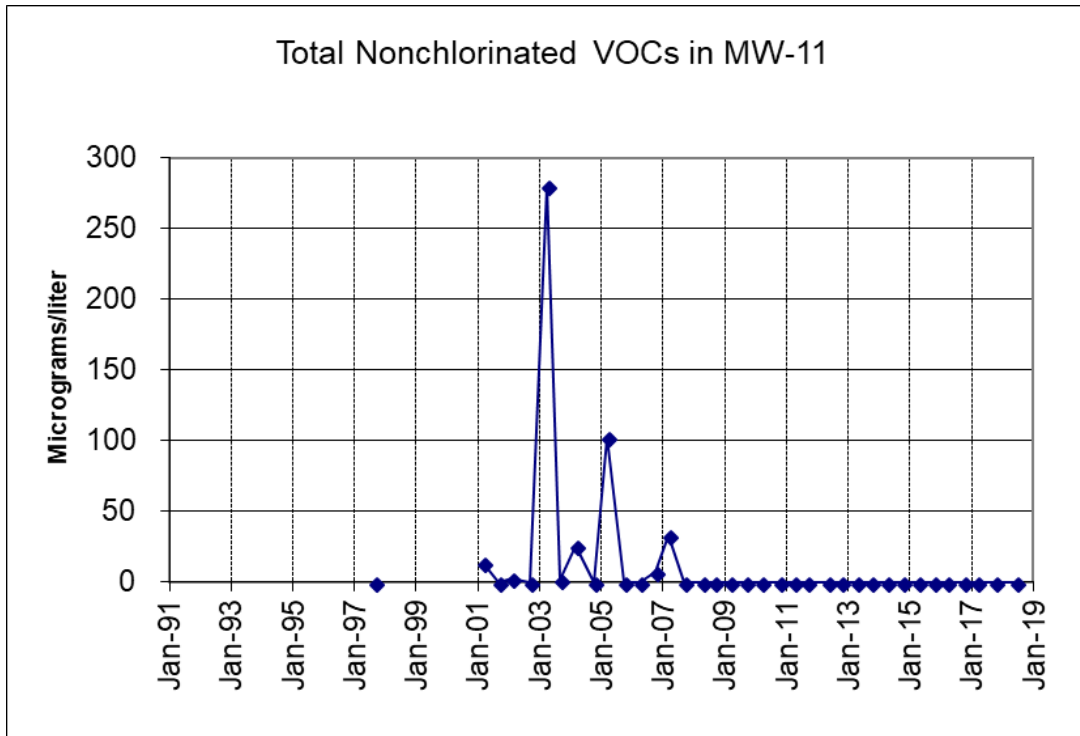
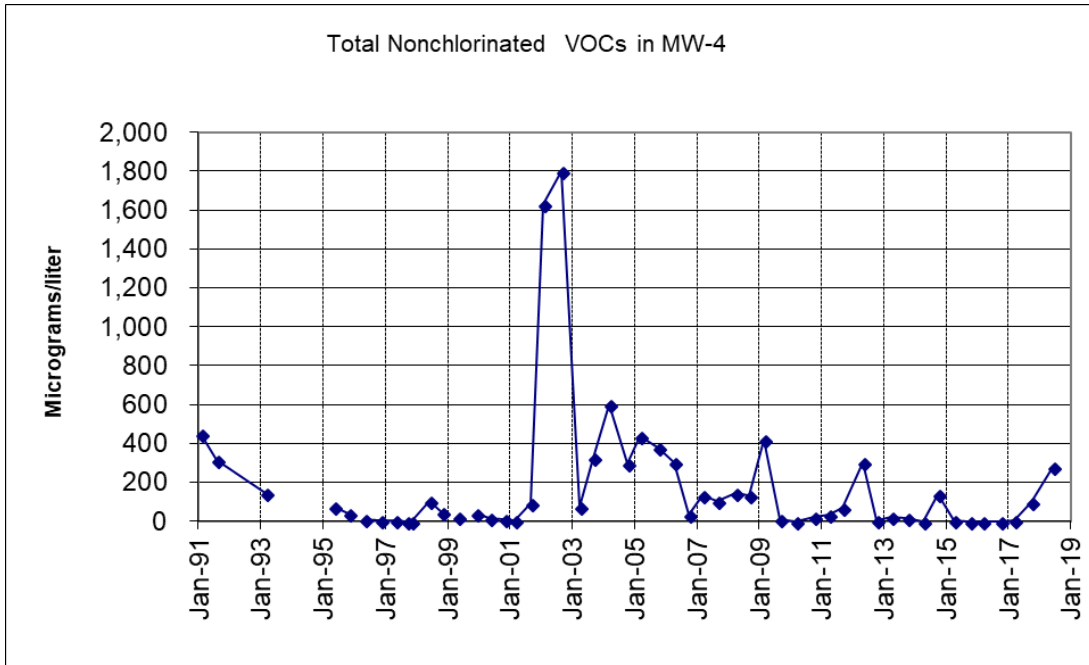


Figure 5. Time-Concentration Graphs - Total Non-Chlorinated Volatiles



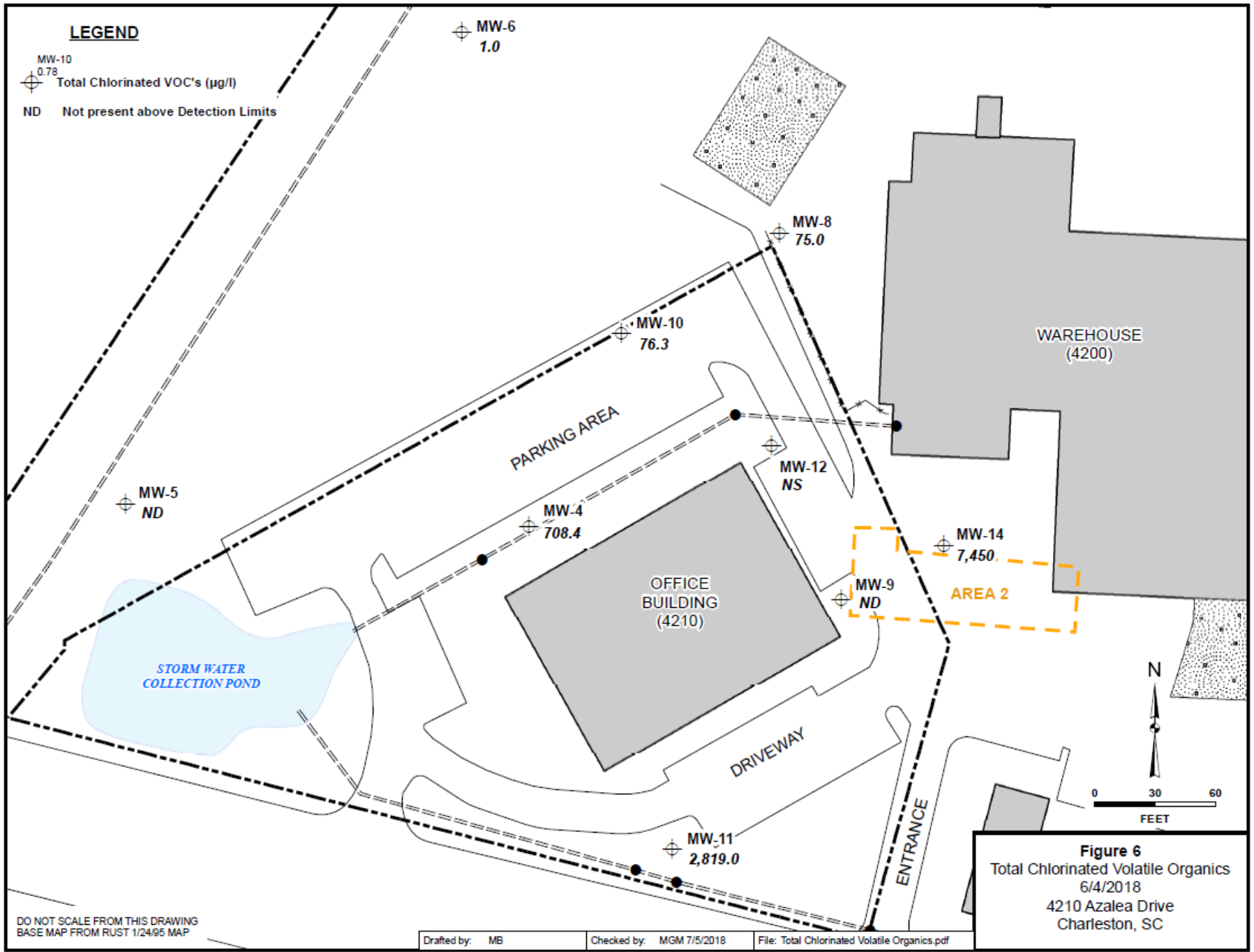


Figure 6
Total Chlorinated Volatile Organics
6/4/2018
4210 Azalea Drive
Charleston, SC

Figure 7. Time-Concentration Graphs - Total Chlorinated Volatiles

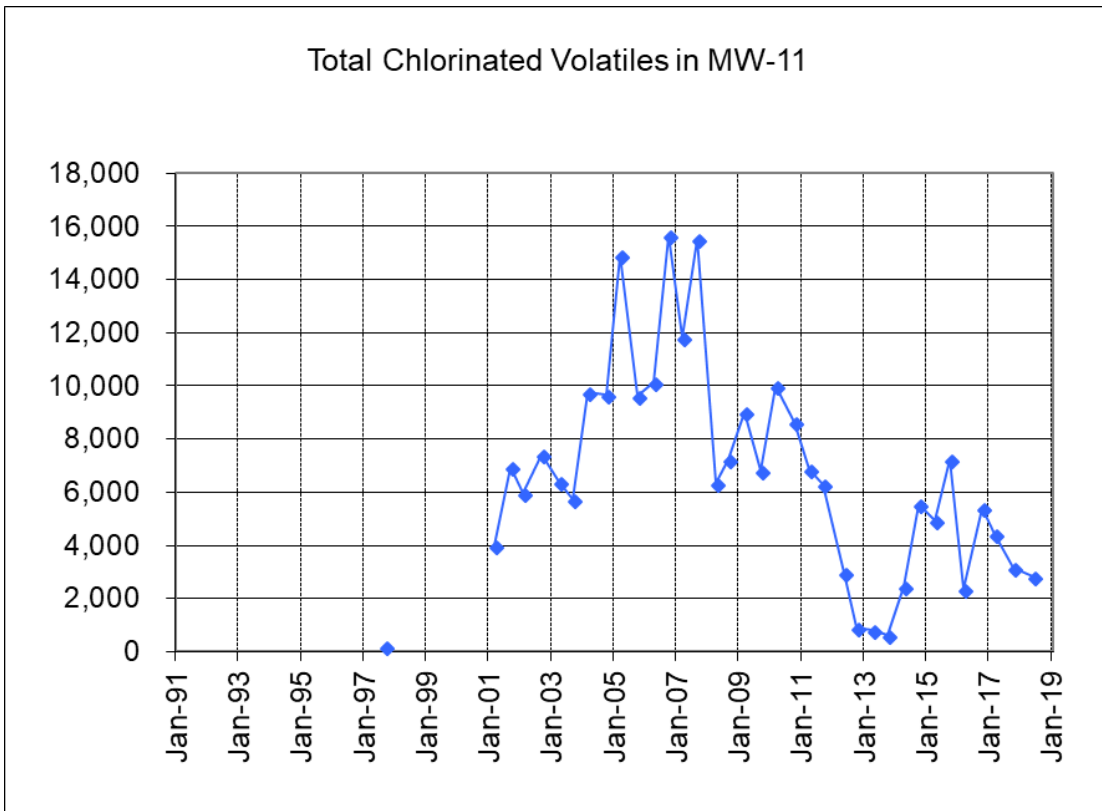
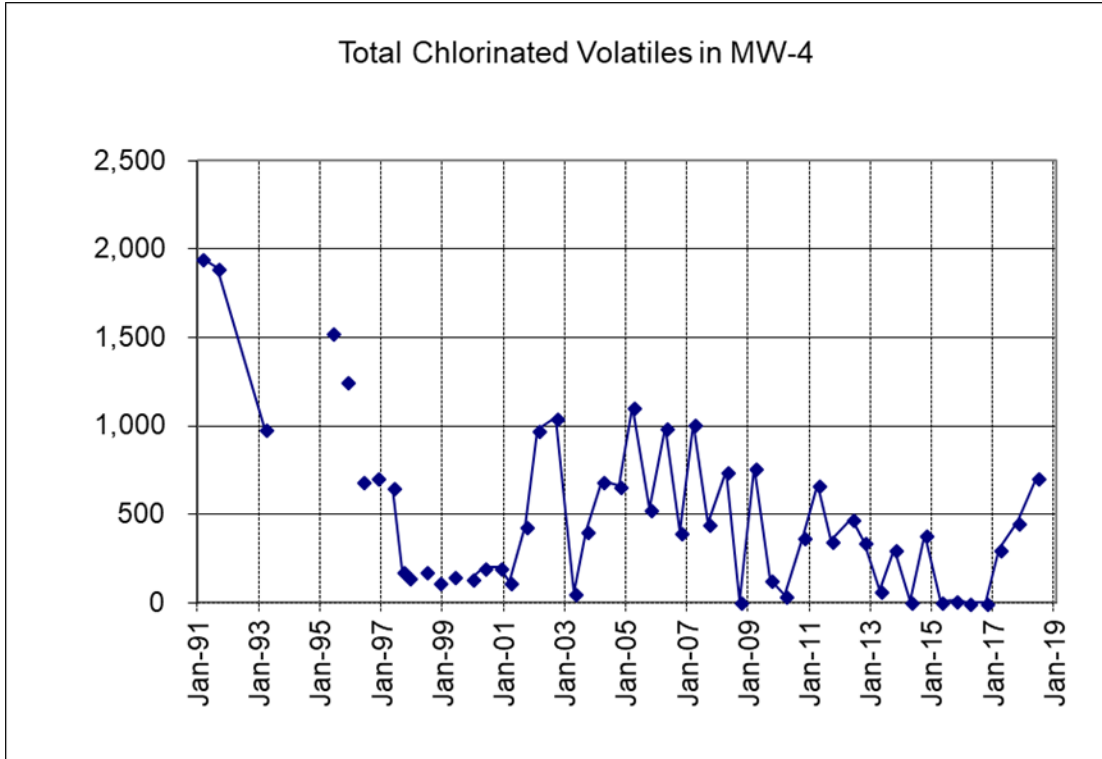
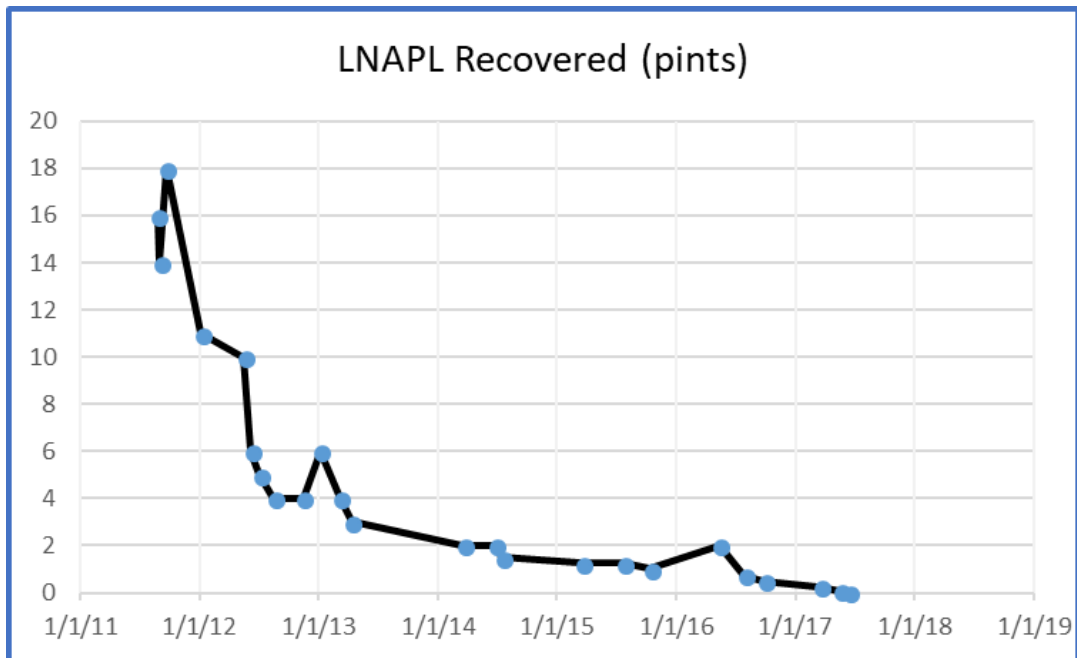
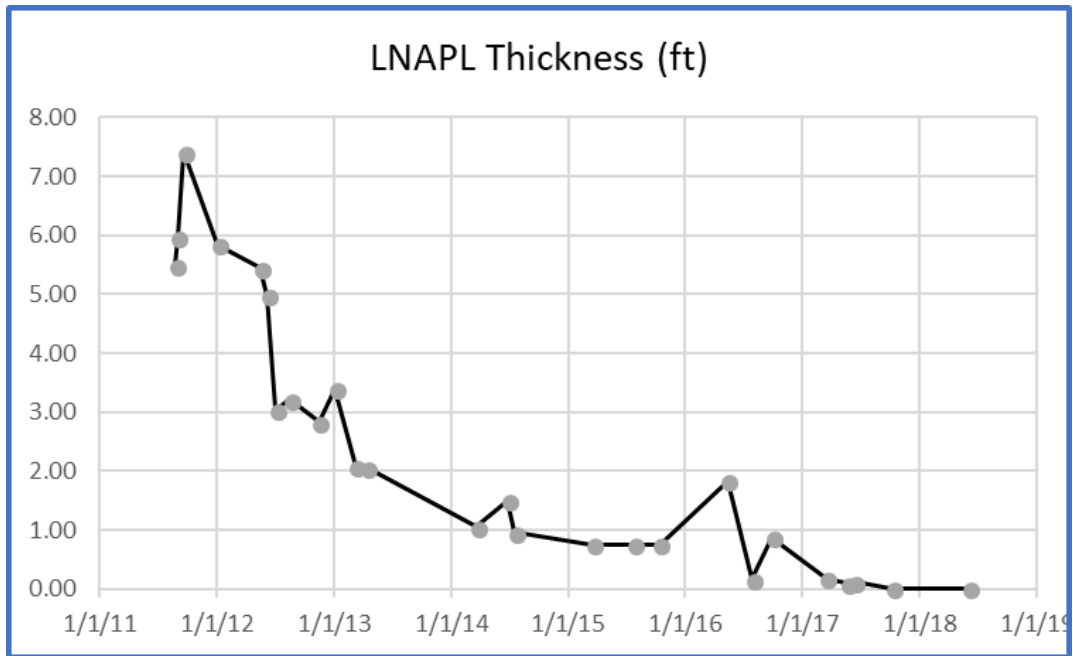


Figure 8. Lnapl Thickness & Volume Recovered



TABLES

Table	Title
1	Water-Level Elevations
2	Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
3	Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4	Groundwater Quality Summary – Current Sampling Event

**Table 1. Water-Level Elevations
4210 Azalea Drive, Charleston, SC**

DATE	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Depth	Inapl	Water	Meas. Depth	Water	
	Point	To	Point	To	Point	To	Point	To	Point	To	Point	To	Point	To	Point	to	To	Level	Point	To	Level
	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Inapl	Water	Elev.	Elev.	Elev.	Elev.
	MW-4		MW-5		MW-6		MW-8		MW-9		MW-10		MW-11		MW-12				MW-14		
08/15/91	13.79	4.27	9.52	12	11.8	0.22	10.3	4.98	5.31												
03/29/93	13.5	3.82	9.63	12	11.8	0.26	10.6	4.01	6.58	15.1	4.61	10.53	15.3	4.71	10.54						
07/15/93		5.04	8.41		12.1	-0.11		5.44	5.15		6.15	8.99		5.95	9.3						
11/07/94		4.7	8.75		11.2	0.83		4.73	5.86		5.46	9.68		5.72	9.53						
12/20/94	13.50			12			10.6			15.2	5.55	9.61	15.28								
02/22/95		4.18	9.32		11.1	0.96		4.18	6.44		5.15	10.01		5.26	10.02						
05/17/95		5.41	8.09		11.5	0.55		5.45	5.17		6.58	8.58		6.42	8.86						
08/15/95		4.55	8.95								5.95	9.21		5.54	9.74						
11/13/95		4.43	9.07		11	1		4.32	6.3		5.54	9.62		5.61	9.67						
02/20/96		5.44	8.06		11.6	0.45		4.61	6.01		5.6	9.56		6.61	8.67						
05/20/96		5.31	8.19		11.1	0.93		5.35	5.27		6.57	8.59		6.20	9.08						
08/30/96		4.76	8.74		10.6	1.41		4.86	5.76		6.14	9.02		6.04	9.24						
11/14/96		5.42	8.08		10.3	1.71		5.11	5.51		6.49	8.67		6.48	8.80						
02/28/97		5.18	8.32		10.9	1.08		4.55	6.07		6.15	9.01		6.25	9.03						
05/08/97		4.62	8.88		10.1	1.91		4.42	6.2		5.9	9.26		5.82	9.46						
11/26/97		4.86	8.64		10.3	1.75		4.54	6.08		5.81	9.35		6.00	9.28						
02/14/98											5.3	9.86		14.45		####		####			####
06/19/98		5.92	7.58		11.7	0.36		5.6	5.02		6.66	8.5		6.82	8.46			6.90	7.55		
11/30/98		6.35	7.15		11.6	0.39		5.82	4.8		7.2	7.96		7.28	8.00			8.15	6.30		6.67 8.24
05/14/99		5.9	7.6		10.1	1.91		5.21	5.41		6.72	8.44		6.29	8.99			7.51	6.94		7.28 7.63
12/27/99		5.49	8.01		10.4	1.62		4.68	5.94		6.41	8.75		6.52	8.76						6.75 8.16
05/31/00		6.76	6.74		10.7	1.34		6.19	4.43		7.48	7.68		7.54	7.74						
11/10/00		6.62	6.88		10.7	1.32		5.83	4.79		7.25	7.91		7.37	7.91						
03/16/01		5.18	8.32		10.6	1.45		4.25	6.37		6.51	8.65		5.50	9.78			6.63	7.82		3.15 7.28
09/20/01		6.15	7.35		10.8	1.23		5.16	5.46		6.71	8.45		6.78	8.50			7.15	7.30		3.45 6.98 7.14 7.77
02/25/02		6.08	7.42								6.94	8.34		7.20	7.25			3.65	6.78		11.26 3.65
09/30/02		4.83	8.67								5.73	9.55		5.70	8.75			2.92	7.51		9.28 5.63
04/11/03		3.66	9.84								4.41	10.87		4.53	9.92			2.67	7.76		4.72 8.23 10.19 6.68
09/29/03		6.29	7.21								6.78	8.50		7.20	7.25			3.54	6.89		6.48 10.94 8.43 3.97
03/26/04		5.85	7.65								6.82	8.46		6.75	7.70			3.78	6.65		6.36 10.34 8.55 4.57
10/02/04		5.6	7.9								6.38	8.90		6.42	8.03			3.29	7.14		6.01 9.85 8.90 5.06
03/12/05		5.61	7.89								6.65	8.63		6.41	8.04			3.21	7.22		6.10 9.75 8.81 5.16
10/01/05		6.64	6.86								7.14	8.14		7.45	7.00			3.60	6.83		6.81 10.65 8.10 4.26
04/02/06		5.85	7.65								6.68	8.60		6.56	7.89			3.35	7.08		6.22 9.75 8.69 5.16
10/01/06		5.95	7.55								6.39	8.89		6.60	7.85			3.32	7.11		6.40 6.74 8.51 8.17
03/25/07		5.65	7.85								6.59	8.69		6.42	8.03			3.04	7.39		6.60 6.61 8.31 8.31
09/22/07		5.96	7.54								6.74	8.54		6.85	7.60			3.10	7.33		NA 6.91 8.00
04/06/08		5.35	8.15								6.42	8.86		6.14	8.31			3.03	7.40		NA 6.50 8.41
09/27/08		5.62	7.88								6.45	8.83		6.41	8.04			2.68	7.75		NA 6.61 8.30
03/30/09		5.74	7.76								6.82	8.46		6.49	7.96			3.23	7.20		NA 6.85 8.06
09/19/09		5.41	8.09								6.99	8.29		7.01	7.44			3.48	6.95		NA 7.01 7.90
03/27/10		5.16	8.34								6.15	9.13		5.92	8.53			3.03	7.40		NA 6.09 8.82
10/09/10		5.89	7.61								6.74	8.54		6.79	7.66			3.16	7.27		* 6.83 8.08
04/09/11		5.85	7.65								6.83	8.45		6.71	7.74			3.32	7.11		6.36 9.05 8.55 5.86
09/25/11		6.95	6.55								7.65	7.63		7.98	6.47			3.29	7.14		7.45 12.90 7.46 2.01
05/18/12		6.57	6.93								7.40	7.88		7.60	6.85			3.48	6.95		7.25 11.75 7.66 3.16
10/17/12		6.82	6.68								7.54	7.74		7.70	6.75			3.83	6.60		7.53 9.38 7.38 5.53
04/13/13		4.89	8.61								5.97	9.31		5.62	8.83			2.79	7.64		6.06 6.90 8.85 8.01

**Table 1. Water-Level Elevations
4210 Azalea Drive, Charleston, SC**

DATE	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Water	Meas. Depth	Depth	Inapl	Water	Meas. Depth	Water		
	Point	To	Point	To	Point	To	Point	To	Point	To	Point	To	Point	to	To	Level	Point	To	Level	
	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Elev.	Water	Elev.	Elev.	Elev.	Elev.	
	MW-4		MW-5		MW-6		MW-8		MW-9		MW-10		MW-11		MW-12		MW-14			
10/04/13	6.45	7.05							7.04	8.24	7.27	7.18	3.56	6.87	7.15	8.80	7.76	6.11		
04/25/14	4.75	8.75							5.66	9.62	5.60	8.85	2.79	7.64	5.70	6.80	9.21	8.11		
04/25/14	5.3	8.2							6.13	9.15	6.16	8.29	2.83	7.60	6.30	7.02	8.61	7.89		
04/03/15	5.15	8.35							6.09	9.19	5.95	8.50	3.05	7.38	6.15	7.40	8.76	7.51		
10/17/15	4.75	8.75							5.75	9.53	5.57	8.88	2.71	7.72	5.82	5.90	9.09	9.01		
03/17/16	5.15	8.35							6.19	9.09	6.07	8.38	3.09	7.34	6.07	6.35	8.84	8.56		
10/16/16	4.61	8.89							5.85	9.43	5.51	8.94	2.99	7.44	5.85	6.90	9.06	8.01		
03/18/17	6.11	7.39							7.66	7.62	6.95	7.50	3.55	6.88	7.11	8.51	7.80	6.40		
10/08/17	5.8	7.7							6.44	8.84	6.64	7.81	3.56	6.87	6.46	6.47	8.45	8.44		
06/04/18	5.1	8.4	8.7	3.31	6.98	3.64	5.79	9.37	6.00	9.28	5.79	8.66	2.92	7.51	5.95	5.96	8.96	8.95	6.10	9.07

Depth to groundwater in feet below measuring point.

Measuring point elevations for 8/15/91 are reportedly relative to mean sea level. This data is from the 10/31/91 Assessment Report by GEL.

Measuring point elevations were resurveyed on 3/30/93 and again on 1/24/95. Elevations were then calculated from those surveys assuming the

elevation for MW-5 was correctly given as 12.01 feet above mean sea level. MW-10 & 12 from 4/98 Trico map.

Free phase material was discovered in MW-12 on 3/16/01.

2/25/02 - Depth to water in MW-12 may be inaccurate due to equipment problem.

10/9/10 - Interface probe was not operational, depth taken with water level meter.

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Benzene	02/06/91		52	<50								
	08/15/91	<10.0	140.0	<50.0	4.36	22.70						
	03/30/93		42	8 J	2 J	32	<50	402				
	11/07/94	<5										
	05/18/95	<5	38	<5	<5		22	<5				
	11/13/95	<5	29	38	<5		<5	<5				
	02/20/96						9.4					
	05/20/96	<10	19.1	6.8	1.2		14.2	7.5				
	11/14/96	<1	25.1	4	17.6		11.8	10.1				
	05/08/97	<1	18.4	2.2	<1		19.1	1.5				
	09/08/97		23.2	<2				54.1	254	<2	1410	
	11/26/97	<5	27.8	<5	<5		<5	<5				
	06/19/98	<5		103	<5		11.9	248				
	11/30/98	<5		32	<5		77.1	321			490	
	02/15/99						<5					
	05/15/99	<5		7.9	<5		61	<5				
	09/03/99						130					
	12/27/99			37		41	41					
	05/31/00			15		30	166	86				
	11/10/00			8		33	19	16				
	03/16/01			3		7		<2	8	13	<2000	
	09/20/01	<2 A		72	<2 A	7 A	5 A	<2	5	<100	1200	
	02/25/02	< A		1200	< A	12 A	< A	<2	4	2	4100	
	09/30/02	< A		1700	< A	20 A	< A	<5	<5	<25	1800	
	04/11/03	< A		51	< A	17 A	< A	<0.5	0.5	<210	2900	
	09/30/03	< A		300 D	< A	26 A	25 A	0.73	52 D	<0.5	670	
	03/26/04	< A		440	< A	< A	< A	<0.5	34	23	<1300	630 a
	10/02/04			260				<5	14	<100		
	03/12/05			420				<5	6	<250		
	10/01/05			380				<5	11	<250		
	04/02/06			300				1.2 J	0.51 J	<250		
	10/01/06			35				46	18	5.9		
	03/25/07			120				260	32	10 J		
	09/22/07			100				<5	45	<250		
	04/06/08			140				<1	89	<20		
	09/27/08			110				<1	39	<2		
	03/30/09			420				<1	36	<100	74 J	
	09/19/09			7.9				0.77 J	39	<25		
	03/27/10			0.87 J				<1	0.79 J	<10		
	10/09/10			20				<1	58	<20		
	04/09/11			25				<1	9.6	<50		
	09/25/11			67				0.3 J	67	<20		
	05/18/12	<1		300	0.23		0.7 J	<1	64	<1		827
	10/17/12			2.34				<1	53	<1		
	04/13/13			21				<1	0.94 J	<5		
	10/04/13			14				<1	54	<1		
	04/25/14			0.7 J				<1	3.1	<20		
10/04/14			130				<1	37	<50			
04/03/15			1.3				<1	0.96 J	<50			
10/17/15			<1				<1	0.72 J	<50			
03/17/16			<1				<1	1.4	<20			
10/16/16			<1				<1	0.74 J	<50	340 J		
03/18/17			3.8				<1	13	<1			
Benzene	10/08/17		96.9				<1	17.6	<25			
	06/04/18		281	<1	<1	<1	<1	5.2	<25		<2000	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Ethylbenzene	02/06/91		<10	448									
	08/15/91	<10.0	15.0	300.0	<2.00	2.37							
	03/30/93		5	133	<5	3 J	<50	867					
	11/07/94	119											
	05/18/95	31	2 J	75	<5		<5	<5					
	11/13/95	39	<5	<5	<5		<5	<5					
	02/20/96						<1						
	05/20/96	57	2.1	5	<1		<1	8.8					
	11/14/96	11.1	<1	<1	3.6		<1	<1					
	05/08/97	5.2	<1	<1	<1		<1	<1					
	09/08/97		<2	<2					13.9	5.3	<2	5770	
	11/26/97	34.7	<5	<5	<5		<5	<5					
	06/19/98	41.8		<5	<5		<5	116					
	11/30/98	8.2		10.4	<5		<5	386				9350	
	02/15/99						<5						
	05/15/99	18.7		<5	<5		<5	<5					
	09/03/99						<5						
	12/27/99					2.9							
	05/31/00	3.7							18				
	11/10/00					2							
	03/16/01	2		<2					<2	<2	<2	53,000,000	
	09/20/01	<2		<2	<2	<2	<2	<2	<2	<2	<100	8700	
	02/25/02	4 a		<10	< a	< a	< a	<2	<2	<2	<2	21000	
	09/30/02	< a		5.3	< a	< a	< a	<5	<5	<25	<25	5200	
	04/11/03	6 a		<1	< a	< a	< a	<0.5	<0.5	<210	<210	8100	
	09/30/03	< a		3.8	< a	2 a	< a	<0.5	<0.5	<0.5	<0.5	3800	
	03/26/04	< a		<18	< a	< a	< a	<0.5	<3.1	<0.5	<0.5	5700	6100 a
	10/02/04			<5				<5	<5	<5	<100		
	03/12/05			4.3 J				<5	<5	16 J			
	10/01/05			<10				<5	<5	<250			
	04/02/06			<50				<5	<5	<250			
	10/01/06			0.54 J				11	<5	<5			
	03/25/07			3.4 J				490	<0.3	<15			
	09/22/07			<5				6	<25	<250			
	04/06/08			1.6 J				<1	<5	<20			
	09/27/08			<5				<1	<5	<2			
	03/30/09			<10				<1	<10	<100		6400	
	09/19/09			<1				<1	<1	<25			
	03/27/10			<1				<1	<5	<250			
	10/09/10			<1				<1	<1	<20			
	04/09/11			1.3				<1	<1	<50			
	09/25/11			<1				<1	<1	<20			
05/18/12	3.9		<1	<1		<1	<1	<1	<1		5,920		
10/17/12			<1				<1	<1	<1				
04/13/13			<1				<1	<1	<5				
10/04/13			<1				<1	<1	<1				
04/25/14			<1				<1	<1	<20				
10/04/14			<1				<1	<1	<50				
04/03/15			<1				<1	<1	<50				
10/17/15			<1				<1	<1	<50				
03/17/16			<1				<1	<1	<20				
10/16/16			<1				<1	<1	<50		8,300		
03/18/17			<1				<1	<1	<1				
Ethylbenzene	10/08/17		<4				<1	<1	<25				
	06/04/18		<5	<1	<1	<1	<1	<1	<25			8,840	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Toluene	02/06/91		64	216								
	08/15/91	<10.0	15.0	<50.0	2.86	3.78						
	03/30/93		11	12	<5	4 J	<50	3830				
	11/07/94	<5										
	05/18/95	<5	2 J	5	<5		3 J	<5				
	11/13/95	<5	<5	<5	<5		<5	<5				
	02/20/96						<1					
	05/20/96	<10	2.2	<1	<1		<1	<1				
	11/14/96	<1	<1	<1	3.7		<1	<1				
	05/08/97	<1	<1	<1	<1		<1	<1				
	09/08/97		<2	<2				26.9	4.33	<2	21300	
	11/26/97	<5	<5	<5	<5		<5	<5				
	06/19/98	<5		<5	<5		<5	221				
	11/30/98	<5		<5	<5		7.8	937			11000	
	02/15/99						<5					
	05/15/99	<5		<5	<5		<5	<5				
	09/03/99	< a					10					
	12/27/99	< a				5 a	< a					
	05/31/00	< a				< a	< a	1.3				
	11/10/00	< a				4 a	2 a					
	03/16/01	< a		<2		< a	< a	<2	<2	<2	150,000,000	
	09/20/01	< a		<2		< a	< a	<2	<2	<100	75000	
	02/25/02	< a		<10		< a	< a	<2	<2	<2	120000	
	09/30/02	< a		<5		2 a	< a	<5	<5	<25	54000	
	04/11/03	< a		<1		3 a	< a	<0.5	0.7	280	86000	
	09/30/03	< a		<0.5		4 a	4 a	<0.5	1.4	1.5	26000	
	03/26/04	< a		<18		< a	< a	<0.5	<3.1	2.4	38000	96000 a
	10/02/04			<5				<5	<5	<100		
	03/12/05			1.8 J				<5	<5	<250		
	10/01/05			0.4 J				<5	0.57 J	<250		
	04/02/06			<50				<5	<5	<250		
	10/01/06			0.25 J				0.29 J	0.78 J	1 J		
	03/25/07			<1				4.6 J	4.4 J	<10		
	09/22/07			<5				<5	2.6 J	<250		
	04/06/08			<5				<1	7.8	<20		
	09/27/08			<5				<1	2 J	<2		
	03/30/09			<10				<1	4.3 J	<100	22000	
	09/19/09			<1				<1	1.5	<25		
	03/27/10			<1				<1	<5	<250		
	10/09/10			<1				<1	1.3	<20		
	04/09/11			<1				<1	0.62 J	<50		
09/25/11			<1				<1	1.5	<20			
05/18/12	<1		<1	<1		0.93 J	<1	1.3	<1		113,000	
10/17/12			<1				<1	1.24	<1			
04/13/13			<1				<1	<1	<5			
10/04/13			<1				<1	1.1	<1			
04/25/14			<1				<1	<1	<20			
10/04/14			<1				<1	0.84 J	<50			
04/03/15			<1				<1	<1	<50			
10/17/15			<1				<1	<1	<50			
03/17/16			<1				<1	<1	<20			
10/16/16			<1				<1	<1	<50	48,000		
03/18/17			<1				<1	0.4 J	<1			
Toluene	10/08/17		<4				<1	<1	<25			
	06/04/18		<5	<1	<1	1.5	<1	<1	<25		102,000	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Trimethyl- benzene 1,2,4-	02/06/91												
	08/15/91												
	03/30/93												
	11/07/94												
	05/18/95												
	11/13/95												
	02/20/96												
	05/20/96	<10	<1	<1	<1			<1	<1				
	11/14/96	9.6	<1	3.1	<1			<1	<1				
	05/08/97	3.7	<1	<1	<1			<1	<1				
	09/08/97												
	11/26/97												
	06/19/98												
	11/30/98												
	02/15/99												
	05/15/99												
	09/03/99												
	12/27/99												
	05/31/00												
	11/10/00												
	03/16/01			<10					<10	<10	<10	<10000	
	09/20/01	<10		<10	<10	<10	<10	<10	<10	<10	<500	<500	
	02/25/02			130					<10	<10	<10	3400	
	09/30/02			<5					<5	<5	<25	<500	
	04/11/03			NA					NA	NA	NA	NA	
	09/30/03			18 D					<0.5	0.048 J	<0.5	<630	
	03/26/04			30					<0.5	<3.1	<0.5	<1300	130
	10/02/04			29					<5	<5	<100		
	03/12/05			8.1 J					<5	<5	30 J		
	10/01/05			<10					<5	<5	<250		
	04/02/06			<50					<5	<5	<250		
	10/01/06			<5					0.57 J	<5	<5		
	03/25/07			3.6 J					19 J	<0.4	23 J		
	09/22/07			<5					2.7 J	<25	<250		
	04/06/08			<5					<1	2.3 J	<20		
	09/27/08			<5					<1	<5	<2		
03/30/09			<10					<1	<10	<100	510		
09/19/09			<1					<1	<1	<25			
03/27/10			<1					<1	<5	<250			
10/09/10			<1					<1	<1	<20			
04/09/11			<1					<1	<1	<50			
09/25/11			<1					<1	<1	<20			
05/18/12	NA		<1	NA			NA	<1	<1	<1		NA	
10/17/12			<1					<1	0.6333 J	<1			
04/13/13			<1					<1	<1	<5			
10/04/13			<1					<1	<1	<1			
04/25/14			<1					<1	<1	<20			
10/04/14			<1					<1	<1	<50			
04/03/15			0.48 J					<1	<1	<50			
10/17/15			<1					<1	<1	<50			
03/17/16			<1					<1	<1	<20			
Trimethyl benzene 1,2,4-	10/16/16		<1					<1	<1	<50	620		
	03/18/17		<1					<1	<1	<1			
	10/08/17		<4					<1	<1	<25			
	06/04/18		<5	NA	NA	NA		<1	<1	<25		NA	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Trimethyl- benzene 1,3,5- NA	02/06/91												
	08/15/91												
	03/30/93												
	11/07/94												
	05/18/95												
	11/13/95												
	02/20/96												
	05/20/96	<10	<1	<1	<1			<1	<1				
	11/14/96	4.3	<1	<1	<1			<1	<1				
	05/08/97	1.8	<1	<1	<1			<1	<1				
	09/08/97												
	11/26/97												
	06/19/98												
	11/30/98												
	02/15/99												
	05/15/99												
	09/03/99												
	12/27/99												
	05/31/00												
	11/10/00												
	03/16/01			<10					<10	<10	<10	<10000	
	09/20/01	<10		<10	<10	<10	<10	<10	<10	<10	<500	<500	
	02/25/02			<50					<10	<10	<10	1700	
	09/30/02			86					<5	<5	<25	<500	
	04/11/03			NA					NA	NA	NA	NA	
	09/30/03			0.9					<0.5	<0.5	<0.5	<630	
	03/26/04			<18					<0.5	<3.1	<0.5	<1300	NA a
	10/02/04			<5					<5	<5	<100		
	03/12/05			<25					<5	<5	<250		
	10/01/05			<10					<5	<5	<250		
	04/02/06			<50					<5	<5	<250		
	10/01/06			<5					<5	<5	<5		
	03/25/07			<3					6.7 J	<0.6	<30		
09/22/07			<5					1.2 J	<25	<250			
04/06/08			<5					<1	<5	<20			
09/27/08			20					<1	<5	<2			
03/30/09			<10					<1	<10	<100	240		
09/19/09			<1					<1	<1	<25			
03/27/10			<1					<1	<5	<250			
10/09/10			<1					<1	<1	<20			
04/09/11			<1					<1	<1	<50			
09/25/11			<1					<1	<1	<20			
05/18/12	NA		<1	NA			NA	<1	<1	<1		NA	
10/17/12			<1					<1	<1	<1			
04/13/13			<1					<1	<1	<5			
10/04/13			<1					<1	<1	<1			
04/25/14			<1					<1	<1	<20			
10/04/14			<1					<1	<1	<50			
04/03/15			<1					<1	<1	<50			
10/17/15			<1					<1	<1	<50			
03/17/16			<1					<1	<1	<20			
10/16/16			<1					<1	<1	<50	240 J		
03/18/17			<1					<1	<1	<1			
10/08/17			<4					<1	<1	<25			
06/04/18			<5	NA	NA	NA		<1	<1	<25		NA	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Xylenes (Total)													
	03/30/93		20	5 J	<5	3 J	<50	5160					
	11/07/94	381											
	05/18/95	99	<5	<5	<5		3 J	<5					
	11/13/95	122	<5	<5	<5		<5	<5					
	02/20/96						<1						
	05/20/96	196	4.2	<1	<1		1.6	31.2					
	11/14/96	44.3	<1	<1	14		2.9	<1					
	05/08/97	20	<1	<1	<1		<1	<1					
	09/08/97		<4	<4				178	13.5	<4	22,100		
	11/26/97	98.1	<15	<15	<15		<15	<15					
	06/19/98	126		<15	<15		<15	388					
	11/30/98	37.1		<15	<15		<15	1880			23,500		
	02/15/99						<15						
	05/15/99	73.6		16.3	<5		26.6	<5					
	09/03/99						16						
	12/27/99					3							
	05/31/00	14						7.9	125				
	11/10/00												
	03/16/01	5		<5					<5	<5	<5	310,000,000	
	09/20/01	<5		18	<5	<5	<5	<5	<5	<200		49,000	
	02/25/02	9 a		300	< a	< a	< a	<5	<5	<5		130,000	
	09/30/02	< a		6.4	< a	< a	< a	<5	<5	<25		29,000	
	04/11/03	17 a		26	< a	< a	< a	<0.5	<0.5	<210		56,000	
	09/30/03	< a		3.4	< a	< a	< a	<0.5	<0.5	<0.5		27,000	
	03/26/04	6 a		130	< a	< a	< a	<0.5	<3.1	<0.5		39,000	57,000 a
	10/02/04			8.7					<5	<5	<100		
	03/12/05			<25					<5	<5	56 J		
	10/01/05			<10					<5	<5	<250		
	04/02/06			<50					<5	<5	<250		
	10/01/06			<5					7	0.68 J	<5		
	03/25/07			6.6 J					1100	1.8 J	<25		
	09/22/07			4.3 J					30	<25	<250		
	04/06/08			<5					<1	2.7 J	<20		
	09/27/08			<5					<1	<5	<2		
	03/30/09			<10					<1	<10	<100	40,000	
	09/19/09			<1					<1	1.2	<25		
	03/27/10			<1					<1	<5	<250		
	10/09/10			<1					<1	0.38 J	<20		
	04/09/11			5.1					<1	0.51 J	<50		
09/25/11			<1					<1	1.3	<20			
05/18/12	12.9		<1	<3			<3	<1	1.1	<1		52,900	
10/17/12			<3					<3	1.19 J	<3			
04/13/13			<1					<1	<1	<5			
10/04/13			<1					<1	1.7	<1			
04/25/14			<1					<1	<1	<20			
10/04/14			7.7					<1	0.63 J	<50			
04/03/15			3.4					<1	<1	<50			
10/17/15			<1					<1	<1	<50			
03/17/16			<1					<1	<1	<20			
10/16/16			<1					<1	<1	<50	74,000		
03/18/17			0.6 J					<1	<1	<1			
Xylenes	10/08/17		<4					<1	<1	<25			
	06/04/18		<5	<3	<3	1.1	<1	<1	<1	<25		84,700	

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Total	02/06/91		67	448								
Nonchlorinated	08/15/91		166	312	4	29						
Volatiles	03/30/93		67	146	2	38	0	6,429				
	11/07/94	500										
	05/18/95	130	40	75	0		25	0				
	11/13/95	161	29	38	0		0	0				
	02/20/96						9					
	05/20/96	253	25	12	5		16	48				
	11/14/96	55	25	4	35		15	10				
	05/08/97	25	18	2	0		19	2				
	09/08/97		23	0				467	273	0	29,280	
	11/26/97	133	28	0	0		0	221				
	06/19/98	168		103	0		20	1,689				
	11/30/98	45		42	0		77	2,587			33,340	
	02/15/99						0					
	05/15/99	92		24	0		98	0				
	09/03/99						146					
	12/27/99			37		47	41					
	05/31/00	18		15		34	176	229				
	11/10/00			8		35	19	16				
	03/16/01	7		3		7		0	8	13	513,000,000	
	09/20/01	0 a		90	0 a	7 a	5 a	0	5	0	133,900	
	02/25/02	13 a		1,630	0 a	14 a	0 a	0	4	2	280,200	
	09/30/02	0 a		1,798	0 a	23 a	0 a	0	0	0	90,000	
	04/11/03	23 a		77	0 a	21 a	4 a	0	1	280	153,000	
	09/30/03	0 a		326	0 a	28 a	25 a	1	53	2	57,470	
	03/26/04	6 a		600	0 a	0 a	0 a	0	34	25	82,700	159,860 a
	10/02/04			298				0	14	0		
	03/12/05			434				0	6	102		
	10/01/05			380				0	12	0		
	04/02/06			300				1	1	0		
	10/01/06			36				65	19	7		
	03/25/07			134				1,880	38	33		
	09/22/07			104				40	48	0		
	04/06/08			142				0	102	0		
	09/27/08			130				0	41	0		
	03/30/09			420				0	40	0	69,224	
	09/19/09			8				1	42	0		
	03/27/10			0.87				0	0.79	0		
	10/09/10			20				0	60	0		
	04/09/11			31				0	11	0		
	09/25/11			67				0.3	69.8	0		
	05/18/12	16.80		300	0.23		1.63	0	66.4	0		172,647
	10/17/12			2				0	56.1	0		
	04/13/13			21				0	0.9	0		
	10/04/13			14				0	56.8	0		
	04/25/14			0.7				0	3.1	0		
	10/04/14			137.7				0	38.5	0		
	04/03/15			5.18				0	0.96	0		
	10/17/15			0				0	0.72	0		
	03/17/16			0				0	1.40	0		
Total	10/16/16			0				0	0.74	0		
Nonchlorinated	03/18/17			4.4				0	13.4	0		
Volatiles	10/08/17			96.9				0	17.6	0		
	06/04/18			281.0	0	0	2.6	0	5.2	0		195,540

**Table 2. Groundwater Quality Summary - Nonchlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

DATE	MW-2r *	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
All values are micrograms per liter ug/l.											
<10 - Compound not detected above method detection or method reporting level.											
8/91 Sampling took place on 8/15-16/91.											
* MW-2 abandoned on 12/16/92 for warehouse construction, and replaced with MW-2r on 10/26/94.											
9/8/97 results for MW 3,4,9,10,11, and 12 collected by GEL.											
9/8/97 results for MW-8 are from 8/26/97 routine sampling.											
3/6/01 results for MW-12 were from a free phase material floating in the well.											
a-Data from Brenntag sampling for similar period											
Samples after April 2006 collected with passive diffusion bag samplers											
D - Compound exceeded upper calibration level.											
E - Compound exceeded upper calibration level. Sample was diluted and reanalyzed.											
J - Concentration estimated below detection limit.											
NA - Parameter not included in analysis											

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Chloro- benzene	2/6/91	51	221								
	8/15/91	85.0	240.0	51.10	44.50						
	3/30/93	60	105	3 J	63	12 J	326				
	11/7/94				119						
	2/22/95					<25					
	5/18/95	74	177	7		55	<5				
	8/15/95					<50	<1				
	11/13/95	57	141	8		26	<5				
	2/20/96					42.5					
	5/20/96	40.3	86.6	20.6		48.7	3.8				
	8/30/96					64.8					
	11/14/96	58.8	169	426		45.4	19.5				
	2/28/97					30.7					
	5/8/97	40.3	127.5	1.5		39.3	2.9				
	9/8/97	64.9	65			17.8	62.1	51.9	<2	374	
	11/26/97	62.7	42.4	<5		7.2	<5				
	2/14/98					11.5					
	6/19/98		119	12.6		22.5	149				
	8/8/98					40.6					
	11/30/98		66.1	10.8		32.8	122			285	
	2/15/99					<5					
	5/15/99		36.7	<5		23.9	<5				
	9/3/99					19					
	12/27/99		41	3	103	8	<2				
	5/31/00		89	<1	71	10	73				
	11/10/00		170	<10	77	<50	27				
	3/16/01		100	<10	34	<10	<10	40	<10	<10000000	
	9/20/01		410	<10	<10	<10	<10	31	<500	<500	
	2/25/02	a	980	<10 a	44 a	<10 a	<10	21	<10	520	
	9/30/02	a	1000	<10 a	55 a	<10 a	<5	8.7	<25	<500	
	4/11/03	a	48	<10 a	58 a	<10 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	330 D	<10 a	83 a	<10 a	1.7	61 D	4.4	<630	
	3/26/04	a	690	<10 a	<10 a	<10 a	<0.5	49	7.4	<1300	110 a
	10/2/04		660				<5	29	<100		
	3/12/05		1100				<5	13	<250		
	10/1/05		520					0.52 J	55	<250	
	4/2/06		990					4.4 J	1.8 J	<250	
	10/1/06		390					100	95	<10	
	3/25/07		990					370	15	<10	
	9/22/07		440					<5	91	<250	
	4/6/08		730					<1	6.9	<20	
	9/27/08		<5					<1	70	2.5	
	3/30/09		750					<1	<10	<100	750
9/19/09		120					2.6	93	<25		
3/27/10		38					<1	<5	<250		
10/9/10		360					<1	75	<20		
4/9/11		660 E					<1	14	<50		
9/25/11		340					0.72 J	82	<20		
5/18/12		470 E	2.8			4.1	<1	75	<1	<2000	
10/17/12		338					0.255 J	78.8	0.643 J		
4/13/13		67					<1	1.8	<5		
10/4/13		290					<1	87	<10		
4/25/14		8.1					<1	10	<20		
10/4/14		380					<1	70	<50		
4/3/15		4.1					<1	4.9	<50		
10/17/15		12					<1	3.2	<50		
3/17/16		1.8					<1	7.2	<20		
10/16/16		3.4					<1	10	<50	630	
Chloro- benzene	3/18/17	300					<1	39	0.65 J		
	10/8/17	451					<1	48.1	<25		
	6/4/18	703	<1	1.1	2.5	<1	23.1	<25		<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Chloro-ethane	2/6/91	<10	<50								
	8/15/91	<10	<50	<2	<2						
	3/30/93	<10	<20	<10	<10	<100	<200				
	11/7/94				<2						
	2/22/95					<50					
	5/18/95	<10	<10	<10		<10	<10				
	8/15/95					<100	<2				
	11/13/95	<10	<10	<10		<10	<10				
	2/20/96					<1					
	5/20/96	<1	<1	<1		<1	<1				
	8/30/96					<1					
	11/14/96	<1	<1	2.1		<1	<1				
	2/28/97					<1					
	5/8/97	<1	<1	<1		<1	<1				
	9/8/97	<2	<2			<1	<2	<2	<2	<200	
	11/26/97	<10	<10	<10		<10	<10				
	2/14/98					<5					
	6/19/98		<10	<10		<10	<10				
	8/8/98					<10					
	11/30/98		<10	<10		<10	<10			<10	
	2/15/99					<10					
	5/15/99		<5	<5		6.2	<5				
	9/3/99					<5					
	12/27/99		<2	<2	<2	<2	<2				
	5/31/00		<1	<1	<1	<1	<1				
	11/10/00		<5	<5	<5	<25	<5				
	3/16/01		<5	<5	<5	<5	<5	<5	<5	<5000000	
	9/20/01 a		<5	<5	<5	<5	<5	<5	<250	<250	
	2/25/02 a		<25	<5 a	<5 a	<5 a	<5	<5	<5	<250	
	9/30/02 a		16	<5 a	<5 a	<5 a	<5	<5	<25	<500	
	4/11/03 a		<1	<5 a	<5 a	<5 a	<0.5	<0.5	<210	<2500	
	9/30/03 a		20	<5 a	<5 a	<5 a	<0.5	<0.5	<0.5	<630	
	3/26/04 a		<18	<5 a	<5 a	<5 a	<0.5	<3.1	<0.5	<1300	<50 a
	10/2/04		<5				<5	<5	<100		
	3/12/05		4.9 J				<5	<5	<250		
	10/1/05		4.7 J				<5	<5	<250		
	4/2/06		5.4 J				<5	<5	<250		
	10/1/06		<5				<5	<5	<5		
	3/25/07		<2.5				<2.5	<0.5	<25		
	9/22/07		<5				<5	<25	<250		
	4/6/08		<10				<2	<10	<40		
	9/27/08		<10				<2	<10	<4		
	3/30/09		6.5 J				<2	<20	<200	<200	
	9/19/09		<2				<2	<2	<50		
	3/27/10		<2				<2	<5	<250		
	10/9/10		1.3 J				<2	<2	<40		
	4/9/11		0.51 J				<2	<2	<100		
9/25/11		<2				<2	<2	<40			
5/18/12		<2	<2			<2	<2	<2		<4000	
10/17/12		<1				<1	<1	<1			
4/13/13		<2				<2	<2	<10			
10/4/13		<2				<2	<2	<2			
4/25/14		<2				<2	<2	<40			
10/4/14		<2				<2	<2	<100			
4/3/15		<2				<2	<2	<100			
10/17/15		<2				<2	<2	<100			
3/17/16		<2				<2	<2	<40			
10/16/16		<2				<2	<2	<100	<1,000		
Chloro-ethane	3/18/17	<2				<2	<2	<2			
	10/8/17	<4				<1	<1	<25			
	6/4/18	<5	<2	<2	<2	<1	<1	<25		<4000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro- benzene 1,2 (o)	2/6/91	13	1,175								
	8/15/91	80	1,140	18.6	<2.00						
	3/30/93	34	649	4 J	2 J	8 J	35 J				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	31	1070	3 J		26	<5				
	8/15/95					<50	<1				
	11/13/95	29	979	<5		12	<5				
	2/20/96					13.1					
	5/20/96	20	475	10.2		17.7	<1				
	8/30/96					33					
	11/14/96	19.7	401	271		17	<1				
	2/28/97					9.3					
	5/8/97	15.2	389	<1		12.5	<1				
	9/8/97	13.4	86.4			6	<10	66	<10	775	
	11/26/97	13.9	67.4	<5		<5	<5				
	2/14/98					<5					
	6/19/98		13.8	<5		8.4	6.9				
	8/8/98					25.1					
	11/30/98		5.4	<5		102	19.4				1840
	2/15/99					9.9					
	5/15/99		<5	<5		138	<5				
	9/3/99					140					
	12/27/99		5	<2	<2	31	<2				
	5/31/00		<1	<1	<1	<1	<1				
	11/10/00		<10	<10	<10	62	<10				
	3/16/01		<10	<10	<10	<10	<10	55	38	16000000	
	9/20/01		<10	<10	<10	<10	<10	47	<500	1600	
	2/25/02	a	<50	<10 a	<10 a	<10 a	<10 a	33	35	7000	
	9/30/02	a	5.4	<10 a	<10 a	<10 a	<5	15	30	1000	
	4/11/03	a	<1	<10 a	<10 a	<10 a	<0.5	0.8	<210	<2500	
	9/30/03	a	4.8	<10 a	<10 a	<10 a	<0.5	88 D	39 E	1100	
	3/26/04	a	<18	<10 a	<10 a	<10 a	<0.5	70	54 E	1400	450 a
	10/2/04		<5				<5	36	<100		
	3/12/05		<25				<5	19	<250		
	10/1/05		<10				<5	66	<250		
	4/2/06		<50				<5	15	<250		
	10/1/06		1.4 J				0.6 J	120	26		
	3/25/07		4.1 J				2.2 J	27 J	25 J		
	9/22/07		1.4 J				<5	120	<250		
	4/6/08		2.7 J				<1	20	<20		
	9/27/08		<5				<1	87	<2		
	3/30/09		<10				<1	14	<100	1100	
	9/19/09		2				<1	97	<25		
	3/27/10		<1				<1	2 J	<250		
10/9/10		1.7				<1	91	<20			
4/9/11		2.1				<1	25	<50			
9/25/11		1.3				<1	95	<20			
5/18/12	J	0.64 J	<1		1.5	<1	70	<1		<2000	
10/17/12		<1				<1	78	<1			
4/13/13		<1				<1	3.7	<5			
10/4/13		2.2				<1	92	<1			
4/25/14		<1				<1	11	<20			
10/4/14		1.6				<1	77	<50			
4/3/15		<1				<1	4.9	<50			
10/17/15		<1				<1	8.3	<50			
3/17/16		<1				<1	3.4	<20			
10/16/16		<1				<1	36	<50	1,300		
Dichloro- benzene 1,2	3/18/17		1.3			<1	33	<1			
	10/8/17		<4			<1	43.1	<25		<2000	
	6/4/18		<5	<1	<1	5.4	<1	36.4	<25		

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro- benzene 1,3 (m)	2/6/91	<10	94								
	8/15/91	<10.0	80.0	<2.00	<2.00						
	3/30/93	3 J	40	<5	<5	<50	<100				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	<5	<5	<5		<5	<5				
	8/15/95					<50	<1				
	11/13/95	<5	<5	<5		<5	<5				
	2/20/96					2.7					
	5/20/96	2	27.6	<1		5.1	<1				
	8/30/96					5.7					
	11/14/96	10.4	26	15.4		6.3	<1				
	2/28/97					4					
	5/8/97	1.5	28.8	<1		3.5	<1				
	9/8/97	<10	<10			2.6	<10	<10	<10	41.3	
	11/26/97	<5	6.8	15.7		<5	<5				
	2/14/98					<5					
	6/19/98		<5	<5		<5	<5				
	8/8/98					<5					
	11/30/98		13.2	<5		9.8	<5			79.1	
	2/15/99					<5					
	5/15/99		<5	<5		51.6	<5				
	9/3/99					12.5					
	12/27/99		3	<2	<2	8	<2				
	5/31/00		<1	<1	<1	<1	<1				
	11/10/00		<10	<10	<10	<50	<10				
	3/16/01		<10	<10	<10	<10	<10	<10	<10	<10000000	
	9/20/01		<10	<10	<10	<10	<10	<10	<500	<500	
	2/25/02	a	<50	<10 a	<10 a	<10 a	<10 a	<5	<5	<25	<500
	9/30/02	a	5.4	<10 a	<10 a	<10 a	<5	<5	<25	<500	
	4/11/03	a	<1	<10 a	<10 a	<10 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	3.6	<10 a	<10 a	<10 a	<0.5	<0.5	0.66	<630	
	3/26/04	a	<18	<10 a	<10 a	<10 a	<0.5	4.6	1	<1300	<100 a
	10/2/04		<5				<5	<5	<100		
	3/12/05		<25				<5	2.1 J	<250		
	10/1/05		1.6 J				<5	3.6 J	<250		
	4/2/06		<50				<5	2.1 J	<250		
	10/1/06		2.7 J				0.6 J	7.4	0.55 J		
	3/25/07		2.5 J				<1.5	2.8 J	<15		
	9/22/07		2.2 J				<5	6.5 J	<250		
	4/6/08		2.4 J				<1	1.7 J	<20		
	9/27/08		2.6 J				<1	4.9 J	<2		
	3/30/09		<10				<1	<10	<100	76 J	
	9/19/09		1.4				<1	5.1	<25		
	3/27/10		0.36 J				<1	<5	<250		
	10/9/10		1.2				<1	4.4	<20		
	4/9/11		1.7				<1	2.1	<50		
	9/25/11		1.7				<1	4.9	<20		
	5/18/12		<1	<1		0.29 J	<1	3.8	<1		<2000
	10/17/12		1.62				<1	4.31	<1		
4/13/13		<1				<1	<1	<5			
10/4/13		1.7				<1	4.6	<1			
4/25/14		0.98 J				<1	1.3	<20			
10/4/14		1.4				<1	4.5	<50			
4/3/15		<1				<1	0.83 J	<50			
10/17/15		<1				<1	1.5	<50			
3/17/16		<1				<1	0.5 J	<20			
10/16/16		<1				<1	2.6	<50	<500		
Dichloro- benzene 1,3	3/18/17		1.4			<1	2.1	<1			
	10/8/17		<4			<1	2.3	<25			
	6/4/18		<5	<1	<1	0.71 J	<1	2.3	<25	<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro- benzene 1,4 (p)	2/6/91	48	322								
	8/15/91	20.0	255.0	3.72	<2.00						
	3/30/93	13	148	<5	<5	6 J	<100				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	17	256	<5		29	<5				
	8/15/95					<50	<1				
	11/13/95	14	130	<5		13	<5				
	2/20/96					15.4					
	5/20/96	10	90.6	2.2		27.2	<1				
	8/30/96					<1					
	11/14/96	1.9	104	61.6		32.1	<1				
	2/28/97					<1					
	5/8/97	7.7	102.5	<1		18	<1				
	9/8/97	<10	30			2.8	<10	16.6	<10	171	
	11/26/97	10.7	24.3	<5		<5	<5				
	2/14/98					<5					
	6/19/98		24.5	<5		10.6	6.4				
	8/8/98					22.8					
	11/30/98		12.4	<5		35.8	9.9			103	
	2/15/99					<5					
	5/15/99		6.1	<5		10.3	<5				
	9/3/99					41					
	12/27/99		8	<2	<2	19	<2				
	5/31/00		<1	<1	<1	<1	<1				
	11/10/00		30	<10	<10	<50	<10				
	3/16/01		19	<10	<10	<10	<10	21	<10	<10000000	
	9/20/01		23	<10	<10	<10	<10	20	<500	<500	
	2/25/02	a	<50	<10 a	<10 a	<10 a	<10 a	16	<10	1400	
	9/30/02	a	19	<10 a	<10 a	<10 a	<5	7.8	<25	<500	
	4/11/03	a	<1	<10 a	<10 a	<10 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	16	<10 a	<10 a	<10 a	<0.5	18	1.5	<630	
	3/26/04	a	<18	<10 a	<10 a	<10 a	<0.5	16	2.3	<1300	<100 a
	10/2/04		<5				<5	8.7	<100		
	3/12/05		8.4 J				<5	8.2	<250		
	10/1/05		6.3 J				<5	12	<250		
	4/2/06		<50				0.27 J	7.3	<250		
	10/1/06		6.5				1.4 J	23	1.3 J		
	3/25/07		11 J				5.4 J	10	<10		
	9/22/07		8.2				2.1 J	21 J	<250		
	4/6/08		9.1				<1	6.5	<20		
	9/27/08		7.8				<1	15	<2		
	3/30/09		6.6 J				<1	3.7 J	<100	250	
9/19/09		7.6				<1	16	<25			
3/27/10		1.5				<1	<5	<250			
10/9/10		8.2				<1	16	<20			
4/9/11		6.4				<1	7.6	<50			
9/25/11		8.4				<1	17	<20			
5/18/12		2.5	<1		0.83 J	<1	13	<1		<2000	
10/17/12		5.13				<1	14	<1			
4/13/13		0.99 J				<1	2.6	<5			
10/4/13		9.4				<1	16	<1			
4/25/14		1.6				<1	4.9	<20			
10/4/14		7.3				<1	14	<50			
4/3/15		0.55 J				<1	3.4	<50			
10/17/15		2.3				<1	4.2	<50			
3/17/16		0.29 J				<1	1.8	<20			
Dichloro- benzene 1,4	10/16/16	0.6 J				<1	7.3	<50	230 J		
	3/18/17	3.5				<1	7.4	<1			
	10/8/17	5.3				<1	7.9	<25		<2000	
	6/4/18	5.4	<1	<1	2.5	<1	7.6	<25			

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro-ethane 1,1	2/6/91	17	63								
	8/15/91	25.0	52.5	<2.00	<2.00						
	3/30/93	12	13	<5	<5	10 J	<100				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	8	11	<5		7	<5				
	8/15/95					<50	<1				
	11/13/95	4 J	6	<5		6	<5				
	2/20/96					4.7					
	5/20/96	3.8	4.7	<1		5.4	<1				
	8/30/96					6.7					
	11/14/96	5.4	4.9	<1		6.9	<1				
	2/28/97					<1					
	5/8/97	<1	3.6	<1		<1	<1				
	9/8/97	3.6	<2			5.6	<2	26.1	<2	<200	
	11/26/97	<5	<5	<5		<5	<5				
	2/14/98					<5					
	6/19/98		<5	<5		<5	<5				
	8/8/98					8.3					
	11/30/98		<5	<5		9.3	6.1			26.7	
	2/15/99					<5					
	5/15/99		<5	<5		13	<5				
	9/3/99					8.2					
	12/27/99		3	<2	<2	15	<2				
	5/31/00		1	<1	<1	23	<1				
	11/10/00		<2	<2	<2	18	<2				
	3/16/01		<2	<2	<2	<2	<2	10	3	<2000000	
	9/20/01		<2	<2	<2	2	<2	9	<100	<100	
	2/25/02	a	<10	<2 a	<2 a	<2 a	<2	8	27	120	
	9/30/02	a	<5	<2 a	<2 a	<2 a	<5	<5	<25	<500	
	4/11/03	a	2	<2 a	<2 a	<2 a	<0.5	0.6	<210	<2500	
	9/30/03	a	<0.5	<2 a	<2 a	5 a	<0.5	11	2.1	<630	
	3/26/04	a	<18	<2 a	<2 a	<2 a	<0.5	10	3.7	<1300	150 a
	10/2/04		<5				<5	5.2	<100		
	3/12/05		<25				<5	6.7	<250		
	10/1/05		<10				<5	5.2	<250		
	4/2/06		<50				<5	4.2 J	<250		
	10/1/06		<5				0.39 J	5.4	0.91 J		
	3/25/07		<1.5				<1.5	16	<15		
	9/22/07		<5				<5	9.5 J	<250		
	4/6/08		<5				<1	19	<20		
	9/27/08		<5				<1	7.4	<2		
	3/30/09		<10				<1	17	<100	<100	
9/19/09		0.38 J				<1	4.5	<25			
3/27/10		0.38 J				<1	2.4 J	<250			
10/9/10		0.28 J				<1	5.4	<20			
4/9/11		0.27 J				<1	4.8	<50			
9/25/11		0.15 J				<1	5.2	<20			
5/18/12		0.38 J	<1		1.8	<1	4.5	<1		<2000	
10/17/12		<1				<1	4.23	<1			
4/13/13		0.16 J				<1	1.8	<5			
10/4/13		<1				<1	3.9	<1			
4/25/14		<1				<1	2.9	<20			
10/4/14		<1				<1	2.8	<50			
4/3/15		<1				<1	1.6	<50			
10/17/15		<1				<1	<1	<50			
3/17/16		<1				<1	1	<20			
10/16/16		<1				<1	<1	<50	<500		
Dichloro-ethane 1,1	3/18/17		<1			<1	1.4	<1			
	10/8/17		<4			<1	1.5	<25			
	6/4/18		<5	<1	<1	0.56 J	<1	1.1	<25	<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Dichloroethane 1,2	2/6/91	<10	<50									
	8/15/91	25.0	<50.0	<2.00	<2.00							
	3/30/93	10	<10	<5	<5	<50	<100					
	11/7/94				<1							
	2/22/95					<25						
	5/18/95	4 J	<5	<5		<5	<5					
	8/15/95					<50	<1					
	11/13/95	<5	<5	<5		<5	<5					
	2/20/96					<1						
	5/20/96	<1	<1	<1		<1	<1					
	8/30/96					<1						
	11/14/96	<1	<1	<1		<1	<1					
	2/28/97					<1						
	5/8/97	<1	<1	<1		<1	<1					
	9/8/97	<2	<2			<1	<2	<2	<2	<2	<200	
	11/26/97	<5	<5	<5		<5	<5					
	2/14/98					<5						
	6/19/98		<5	<5		<5	22.8					
	8/8/98					<5						
	11/30/98		<5	<5		<5	<5				<5	
	2/15/99					<5						
	5/15/99		<5	<5		<5	<5					
	9/3/99					<5						
	12/27/99		<2	<2	<2	<2	<2					
	5/31/00		<1	<1	<1	<1	<1					
	11/10/00		<2	<2	<2	<10	<2					
	3/16/01		<2	<2	<2	<2	<2	<2	<2	<2000000		
	9/20/01		<2	<2	<2	<2	<2	<2	<2	<100	<100	
	2/25/02	a	<10	<2 a	<2 a	<2 a	<2 a	<2	<2	<2	<100	
	9/30/02	a	<5	<2 a	<2 a	<2 a	<2 a	<5	<5	<25	<500	
	4/11/03	a	<1	<2 a	<2 a	<2 a	<2 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	27 E	<2 a	<2 a	<2 a	<2 a	<0.5	3.3	<0.5	<630	
	3/26/04	a	<18	<2 a	<2 a	<2 a	<2 a	<0.5	<3.1	<5	<1300	160 a
	10/2/04		<5					<5	<5	<100		
	3/12/05		<25					<5	<5	<250		
	10/1/05		<10					<5	<5	<250		
	4/2/06		<50					<5	<5	<250		
	10/1/06		<5					0.37 J	1 J	<5		
	3/25/07		<1.5					<1.5	<0.3	<15		
	9/22/07		<5					<5	<25	<250		
	4/6/08		<5					<1	<5	<20		
	9/27/08		<5					<1	<5	<2		
	3/30/09		<10					<1	<10	<100	<100	
	9/19/09		<1					<1	<1	<25		
	3/27/10		<1					<1	<5	<250		
	10/9/10		<1					<1	<1	<20		
	4/9/11		<1					<1	<1	<50		
9/25/11		<1					<1	<1	<20			
5/18/12		<1	<1			<1	<1	<1	<1	<2000		
10/17/12		<1					<1	0.477 J	<1			
4/13/13		<1					<1	<1	<5			
10/4/13		<1					<1	<1	<1			
4/25/14		<1					<1	<1	<20			
10/4/14		<1					<1	<1	<50			
4/3/15		<1					<1	<1	<50			
10/17/15		<1					<1	<1	<50			
3/17/16		<1					<1	<1	<20			
10/16/16		<1					<1	<1	<50	<500		
Dichloroethane 1,2	3/18/17		<1				<1	<1	<1			
	10/8/17		<4				<1	<1	<25			
	6/4/18		<5	<1	<1	<1	<1	<1	<25		<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro-ethene 1,1	2/6/91	22	<50								
	8/15/91	70.0	<50.0	<2.00	<2.00						
	3/30/93	14	4 J	<5	<5	<50	<100				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	7	<5	<5		3 J	<5				
	8/15/95					<50	<1				
	11/13/95	<5	<5	<5		4 J	<5				
	2/20/96					3.8					
	5/20/96	3.2	<1	<1		2.4	<1				
	8/30/96					<1					
	11/14/96	2.7	<1	<1		<1	<1				
	2/28/97					5.8					
	5/8/97	4	<1	<1		2.2	<1				
	9/8/97	<2	<2			<1	<2	<2	<2	<200	
	11/26/97	<5	<5	<5		5.7	<5				
	2/14/98					<5					
	6/19/98		<5	<5		7.9	<5				
	8/8/98					<5					
	11/30/98		<5	<5		<5	<5			38.8	
	2/15/99					<5					
	5/15/99		<5	<5		<5	<5				
	9/3/99					<5					
	12/27/99		<2	<2	<2	8	<2				
	5/31/00		<1	<1	<1	5	<1				
	11/10/00		<2	<2	<2	<10	<2				
	3/16/01		<2	<2	<2	<2	<2	<2	9	<2000000	
	9/20/01		<2	<2	<2	4	<2	<2	<100	<100	
	2/25/02	a	<10	<2 a	<2 a	<2 a	<2	<2	11	<100	
	9/30/02	a	<5	<2 a	<2 a	2 a	<5	<5	<25	<500	
	4/11/03	a	<1	<2 a	<2 a	3 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	<0.5	<2 a	<2 a	<2 a	<0.5	<0.5	21	<630	
	3/26/04	a	<18	<2 a	<2 a	<2 a	<0.5	<3.1	29 E	<1300	<20 a
	10/2/04		<5				<5	<5	<100		
	3/12/05		<25				<5	<5	<250		
	10/1/05		<10				<5	<5	<250		
	4/2/06		<50				<5	<5	<250		
	10/1/06		<5				<5	<5	24		
	3/25/07		<2.5				<2.5	<0.5	<25		
	9/22/07		<5				<5	<25	<250		
	4/6/08		<5				<1	5.1	12 J		
	9/27/08		<5				<1	<5	11		
	3/30/09		<10				<1	5.6 J	<100	<100	
9/19/09		<1				<1	0.37 J	<25			
3/27/10		<1				<1	<5	<250			
10/9/10		<1				<1	0.37 J	12 J			
4/9/11		<1				<1	<1	<50			
9/25/11		<1				<1	0.69 J	12 J			
5/18/12		<1	<1		3.6	<1	0.26 J	5.3 J		<2000	
10/17/12		<1				<1	<1	2.31			
4/13/13		<1				<1	1.8	<5			
10/4/13		<1				<1	<1	1.5			
4/25/14		<1				<1	<1	<20			
10/4/14		<1				<1	<1	<50			
4/3/15		<1				<1	<1	8.4 J			
10/17/15		<1				<1	<1	17 J			
3/17/16		<1				<1	<1	<20			
10/16/16		<1				<1	<1	<50	<500		
Dichloro-ethene 1,1	3/18/17		<1			<1	<1	9.7			
	10/8/17		<4			<1	<1	<25			
	6/4/18		<5	<1	<1	0.86 J	<1	<1	<25	<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
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	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro- ethene cis- 1,2	2/6/91										
	8/15/91										
	3/30/93	81	11	96	44	172	290				
	11/7/94				151						
	2/22/95					392					
	5/18/95	63	4 J	3 J		131	<5				
	8/15/95					253	<1				
	11/13/95	20	<5	<5		227	<5				
	2/20/96					900					
	5/20/96	22.6	<1	<1		376	<1				
	8/30/96					233					
	11/14/96	37.9	3.2	<1		356	<1				
	2/28/97					474					
	5/8/97	50.5	2.8	<1		186	<1				
	9/8/97	16.2	<2			520	<2	34.3	166	8550	
	11/26/97	22.7	7.2	<5		632	<5				
	2/14/98					458					
	6/19/98		12.6	<5		358	86.9				
	8/8/98					236					
	11/30/98		12.1	<5		179	<5			2280	
	2/15/99					28.2					
	5/15/99		61.3	<5		243	<5				
	9/3/99					150					
	12/27/99		65	11	25	182	<2				
	5/31/00		113	<1	42	290	<1				
	11/10/00		3	<2	18	300	<2				
	3/16/01		2	<2	3	79	<2	30	3,600	<2000000	
	9/20/01		2	<2	4	270	<2	38	6,800	7400	
	2/25/02	a	<10	<2 a	5 a	180 a	<2	18	5,500	13000	
	9/30/02	a	<5	<2 a	8 a	85 a	21	14	7,200	3600	
	4/11/03	a	5	<2 a	8 a	230 a	<0.5	23	6,400	8000	
	9/30/03	a	3.6	<2 a	9 a	89 a	<0.5	25 D	5,400 D	1400	
	3/26/04	a	<18	<2 a	<2 a	7 a	<0.5	19	8,800 D	2600	4800 a
	10/2/04		<5				<5	6.4	9,400		
	3/12/05		<25				0.32 J	3.3 J	14,000		
	10/1/05		<10				3.9 J	2.2 J	8,900		
	4/2/06		<50				5.3	0.44 J	8,700		
	10/1/06		0.26 J				2 J	5.2	15,000		
	3/25/07		2 J				<1.0	43	11,000		
	9/22/07		<5				<5	320	15,000		
	4/6/08		<5				0.3 J	1400	6,200		
	9/27/08		<5				0.32 J	220	7,100		
	3/30/09		<10				<1	1100	9,000	1400	
9/19/09		0.48 J				11	82	6,600			
3/27/10		1.9				1.5	70	9,800			
10/9/10		0.25 J				6.8	84	8,400			
4/9/11		<1				3.3	24	6,700			
9/25/11		0.23 J				11	110	6,100			
5/18/12		0.27 J	2.3		196 b	25	46	2,900		10,300	
10/17/12		0.259 J				21.3	20.6	885			
4/13/13		2.4				3	0.73 J	780 S			
10/4/13		0.2 J				4.2	15	560			
4/25/14		<1				1.3	0.94 J	2,400			
10/4/14		<1				1.8	1.6	5,400			
4/3/15		0.38 J				2.6	0.39 J	4,800			
10/17/15		<1				2.2	<1	7,000			
3/17/16		<1				1.8	0.65 J	2,300			
Dichloro- ethene cis- 1,2	10/16/16	0.52 J				1.1	<1	5,200	1,400		
	3/18/17	<1				5.0	1.0	4,300			
	10/8/17	<4				1.7	<1	3,080			
	6/4/18	<5	<1	<1	33.7	<1	<1	2,690		7,450	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Dichloro-ethene trans, 1-2	2/6/91	<10	<50								
	8/15/91	10.0	<50.0	2.26	<2.00						
	3/30/93	5	<10	2 J	<5	<50	<100				
	11/7/94				<1						
	2/22/95					<25					
	5/18/95	4 J	<5	<5		3 J	<5				
	8/15/95					<50	<1				
	11/13/95	<5	<5	<5		<5	<5				
	2/20/96					1.8					
	5/20/96	2.5	<1	<1		<1	<1				
	8/30/96					<1					
	11/14/96	2.1	<1	<1		1.8	<1				
	2/28/97					<1					
	5/8/97	<1	<1	<1		3.1	<1				
	9/8/97	<2	<2			1	<2	<2	2.7	<200	
	11/26/97	<5	<5	<5		<5	<5				
	2/14/98					<5					
	6/19/98		<5	<5		<5	<5				
	8/8/98					<5					
	11/30/98		<5	<5		<5	<5			7.8	
	2/15/99					<5					
	5/15/99		<5	<5		<5	<5				
	9/3/99					<5					
	12/27/99		<2	<2	<2	<2	<2				
	5/31/00		<1	<1	<1	3	<1				
	11/10/00		<2	<2	<2	<10	<2				
	3/16/01		<2	<2	<2	<2	<2	<2	62	<2000000	
	9/20/01		<2	<2	<2	<2	<2	<2	<100	<100	
	2/25/02	a	<10	<2 a	<2 a	<2 a	<2 a	<2	<2	97	<100
	9/30/02	a	<5	<2 a	<2 a	<2 a	<2 a	<5	<5	65	<500
	4/11/03	a	<1	<2 a	<2 a	<2 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	<0.5	<2 a	<2 a	<2 a	<0.5	<0.5	2.4 D	93 E	<630
	3/26/04	a	<18	<2 a	<2 a	<2 a	<0.5	<3.1	73 E	<1300	<20 a
	10/2/04		<5				<5	<5	<100		
	3/12/05		<25				<5	0.69 J	48 J		
	10/1/05		<10				<5	1.3 J	34 J		
	4/2/06		<50				<5	<5	20 J		
	10/1/06		<5				0.62 J	2 J	46		
	3/25/07		<2				<2.0	3 J	42 J		
	9/22/07		<5				<5	5 J	44 J		
	4/6/08		<5				<1	14	26		
	9/27/08		<5				<1	3.9 J	32		
	3/30/09		<10				<1	10	37 J	<100	
9/19/09		<1				0.26 J	2.4	36			
3/27/10		0.27 J				<1	1.3 J	36 J			
10/9/10		<1				<1	2.4	28			
4/9/11		<1				<1	1.1	25 J			
9/25/11		<1				<1	2.9	29			
5/18/12		0.23 J	<1		1.4	<1	2.3	13		<2000	
10/17/12		<1				0.703 J	2.61	16.5			
4/13/13		<1				<1	<1	3 J			
10/4/13		<1				<1	2.2	3.7			
4/25/14		<1				<1	0.51 J	12 J			
10/4/14		<1				<1	1.3	<50			
4/3/15		<1				<1	<1	29 J			
10/17/15		<1				<1	<1	33 J			
3/17/16		<1				<1	<1	12 J			
Dichloro-ethene trans, 1-2	10/16/16	<1				<1	<1	30 J	<500		
	3/18/17	<1				<1	0.61 J	21			
	10/8/17	<4				<1	<1	<25			
	6/4/18	<5	<1	<1	0.26 J	<1	<1	<25		<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14	
Tetrachloro ethene	2/6/91	<10	<50									
	8/15/91	10.0	60.0	<2.00	<2.00							
	3/30/93	<5	<10	<5	<5	34 J	<100					
	11/7/94				<1							
	2/22/95					<25						
	5/18/95	<5	<5	<5		4 J	<5					
	8/15/95					<50	<1					
	11/13/95	<5	<5	<5		15	<5					
	2/20/96					4.1						
	5/20/96	<1	<1	<1		2.8	<1					
	8/30/96					2.9						
	11/14/96	<1	<1	1.5		6.1	<1					
	2/28/97					8.1						
	5/8/97	<1	<1	<1		<1	<1					
	9/8/97	<2	<2			12	<2	<2	<2	353		
	11/26/97	<5	<5	<5		11.6	<5					
	2/14/98					19.1						
	6/19/98		<5	<5		7	<5					
	8/8/98					<5						
	11/30/98		<5	<5		<5	<5			3170		
	2/15/99					<5						
	5/15/99		<5	<5		<5	<5					
	9/3/99					<5						
	12/27/99		<2	<2	<2	5	<2					
	5/31/00		<1	<1	<1	3	<1					
	11/10/00		<2	<2	<2	<10	<2					
	3/16/01		<2	<2	<2	<2	<2	<2	<2	<2000000		
	9/20/01		<2	<2	<2	<2	<2	<2	<100	<100		
	2/25/02	a	<10	<2 a	<2 a	<2 a	<2 a	<2	<2	<2	<100	
	9/30/02	a	<5	<2 a	<2 a	<2 a	<2 a	<5	<5	<25	<500	
	4/11/03	a	<1	<2 a	<2 a	<2 a	<2 a	<0.5	<0.5	<210	<2500	
	9/30/03	a	<0.5	<2 a	<2 a	<2 a	<2 a	<0.5	<0.5	<0.5	<630	
	3/26/04	a	<18	<2 a	<2 a	<2 a	<2 a	<0.5	<3.1	<0.5	<1300	<20 a
	10/2/04		<5				<5	<5	<100			
	3/12/05		<25				<5	<5	<250			
	10/1/05		<10				<5	<5	<250			
	4/2/06		<50				<5	<5	<250			
	10/1/06		<5				<5	<5	<5			
	3/25/07		2 J					3.2 J	<0.4	64 J		
	9/22/07		<5				<5	<25	<250			
	4/6/08		<5				<1	<5	<20			
	9/27/08		<5				<1	<5	<2			
	3/30/09		<10				<1	<10	<100	<100		
	9/19/09		0.84 J				<1	<1	<25			
	3/27/10		0.78 J				<1	<5	<250			
	10/9/10		0.18 J				<1	<1	<20			
	4/9/11		<1				<1	<1	<50			
9/25/11		<1				<1	<1	<20				
5/18/12		2.1	<1			0.7 J	<1	<1	<1	<2000		
10/17/12		0.487 J				<1	0.41 J	<1				
4/13/13		0.730 J				<1	<1	<5				
10/4/13		<1				<1	<1	<1				
4/25/14		0.74 J				<1	<1	<20				
10/4/14		<1				<1	<1	<50				
4/3/15		1.0				<1	<1	<50				
10/17/15		0.92 J				<1	<1	<50				
3/17/16		0.68 J				<1	<1	<20				
10/16/16		0.76 J				<1	<1	<50	<500			
Tetrachloro ethene	3/18/17	<1				<1	<1	<1				
	10/8/17	<4				<1	<1	<25				
	6/4/18	<5	<1	<1	0.48 J	<1	<1	<25		<2000		

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Trichloro- ethene 5 ug/l	2/6/91	29	76								
	8/15/91	45.0	67.5	<2.00	<2.00						
	3/30/93	25	16	<5	<5	2,470	124				
	11/7/94				<1						
	2/22/95					5,130					
	5/18/95	19	10	<5		1,650	<5				
	8/15/95					2,240	<1				
	11/13/95	5	<5	<5		3,650	<5				
	2/20/96					1,140					
	5/20/96	9.3	7.3	<1		1,694	<1				
	8/30/96					1,750					
	11/14/96	7.1	2.1	<1		3,475	1				
	2/28/97					3,695					
	5/8/97	7.5	2.5	<1		631	<1				
	9/8/97	<2	<2			3,920	<2	<2	5.3	829	
	11/26/97	<5	<5	<5		5,950	<5				
	2/14/98					3,170					
	6/19/98		<5	<5		4,010	14.5				
	8/8/98					2,080					
	11/30/98		<5	<5		2,180	<5			1850	
	2/15/99					2,420					
	5/15/99		<5	<5		2,580	<5				
	9/3/99					990					
	12/27/99		<2	<2	<2	1,190	6				
	5/31/00		<1	<1	<1	2,050	<1				
	11/10/00		<2	<2	<2	940	<2				
	3/16/01		<2	<2	<2	140	<2	<2	96	16000000	
	9/20/01		<2	<2	<2	210	<2	<2	<100	6800	
	2/25/02	a	<10	<2 a	<2 a	9 a	<2	<2	60	13000	
	9/30/02	a	<5	<2 a	<2 a	27 a	<5	<5	26	5700	
	4/11/03	a	<1	<2 a	<2 a	95 a	<0.5	<0.5	<210	9500	
	9/30/03	a	<0.5	<2 a	<2 a	4 a	<0.5	0.7	<0.5	2500	
	3/26/04	a	<18	<2 a	<2 a	4 a	<0.5	<3.1	3.4	3700	6100 a
	10/2/04		<5				<5	<5	<100		
	3/12/05		<25				<5	<5	270		
	10/1/05		<10				<5	<5	<250		
	4/2/06		<50				<5	<5	<250		
	10/1/06		<5				<5	<5	5.8		
	3/25/07		<1.5				<1.5	<0.3	<15		
	9/22/07		<5				<5	<25	<250		
	4/6/08		<5				<1	16	<20		
	9/27/08		<5				<1	1.4 J	11		
	3/30/09		<10				<1	<10	<100	68 J	
9/19/09		1.4				<1	0.69 J	<25			
3/27/10		1.5				<1	0.36 J	<250			
10/9/10		0.27 J				<1	<1	93			
4/9/11		<1				<1	<1	40 J			
9/25/11		<1				<1	0.22 J	65			
5/18/12		1.4	0.26 J		12.8	<1	<1	31		1,870 J	
10/17/12		0.327 J				<1	<1	6.71			
4/13/13		0.590 J				<1	<1	6.7			
10/4/13		<1				<1	<1	16			
4/25/14		<1				<1	<1	17 J			
10/4/14		<1				<1	<1	63			
4/3/15		0.56 J				<1	<1	14 J			
10/17/15		0.35 J				<1	<1	52			
3/17/16		<1				<1	0.17 J	5.2 J			
10/16/16		<1				<1	<1	71	500		
Trichloro- ethene	3/18/17	<1				<1	<1	54			
	10/8/17	<4				<1	<1	<25			
	6/4/18	<5	<1	<1	6.8	<1	<1	100		<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
Vinyl Chloride	2/6/91	58	<50								
	8/15/91	85.0	<50.0	88.70	47.10						
	3/30/93	20	<20	79	27	<100	<200				
	11/7/94 J				17						
	2/22/95					<50					
	5/18/95	27	<10	5 J		3 J	<10				
	8/15/95					<100	<2				
	11/13/95	18	<10	<10		<10	<10				
	2/20/96					2.4					
	5/20/96	13	<1	39.4		2.4	<1				
	8/30/96					1					
	11/14/96	15.2	<1	61.7		<1	<1				
	2/28/97					4.9					
	5/8/97	16.9	<1	<1		7.9	<1				
	9/8/97	18.2	<2			2.8	<2	107	26.4	266	
	11/26/97	14.1	<10	<10		<10	<10				
	2/14/98					<2					
	6/19/98		7.9	<2		34.2	<2				
	8/8/98					138					
	11/30/98		9.2	<2		182	<2			144	
	2/15/99					21.8					
	5/15/99		49.6	<2		296	<2				
	9/3/99					140					
	12/27/99		18	<2	23	175	<2				
	5/31/00		<1	<1	<1	<1	<1				
	11/10/00		<10	<10	27	140	<10				
	3/16/01		<10	<10	<10	<10	<10	18	200	<10000000	
	9/20/01		2	<2	3	78	<2	24	150	120	
	2/25/02 a		<10	<2 a	3 a	8 a	<2	12	250	310	
	9/30/02 a		<2	<2 a	5 a	46 a	<2	<2	100	<200	
	4/11/03 a		<1	<2 a	4 a	9 a	<0.5	15	<210	<2500	
	9/30/03 a		1	2 a	4 a	38 a	<0.5	42 D	170 D	<630	
	3/26/04 a		<18	<2 a	2 a	<2 a	<0.5	66	800 D	<1300	130 a
	10/2/04		<2				<2	19	290		
	3/12/05		<10				<2	12	600		
	10/1/05		<4				0.69 J	8.2	710		
	4/2/06		<20				1.3 J	2.9	1400		
	10/1/06		0.28 J				0.94 J	16	550		
	3/25/07		2.5 J				<0.5	900	690		
	9/22/07		<2				<2	590	460		
	4/6/08		<5				<1	1600	93		
	9/27/08		<5				<1	320	99		
	3/30/09		<10				<1	1700	<100	<100	
	9/19/09		<1				3.7	250	170		
	3/27/10		<1				<1	78	180		
10/9/10		0.35 J				1.1	370	100			
4/9/11		<1				<1	67	100			
9/25/11		0.5 J				0.97 J	470	84			
5/18/12		<1	<1		14.1	1.9	320	24		<2000	
10/17/12		<1				2.94	245	17.5			
4/13/13		<1				<1	11	49			
10/4/13		<1				<1	200	34			
4/25/14		<1				<1	10	16 J			
10/4/14		<1				<1	56	71			
4/3/15		<1				<1	1.3	70			
10/17/15		<1				<1	0.66 J	150			
3/17/16		<1				<1	4.3	44			
10/16/16		<1				<1	0.97 J	130	<500		
Vinyl Chloride	3/18/17		<1			<1	19	57			
	10/8/17		<4			<1	37.9	71.5			
	6/4/18		<5	<1	<1	21.1	<1	5.8	28.6	<2000	

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

	DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14			
Total	2/6/91	238	1,951											
Chlorinated	8/15/91	455	1,895	164	92									
Volatiles *	3/30/93	277	986	184	136	2,712	775							
	11/7/94				287									
	2/22/95					5,522								
	5/18/95	254	1,528	18		1,911	0							
	8/15/95					2,493	0							
	11/13/95	147	1,256	8		3,953	0							
	2/20/96					2,131								
	5/20/96	127	692	72		2,182	4							
	8/30/96					2,097								
	11/14/96	161	710	839		3,947	21							
	2/28/97					4,232								
	5/8/97	144	657	2		904	3							
	9/8/97	116	181			4,491	62	302	200	11,359				
	11/26/97	124	148	16		6,607	0							
	2/14/98					3,659								
	6/19/98		178	13		4,459	287							
	8/8/98					2,551								
	11/30/98		118	11		2,731	157			9,824				
	2/15/99					2,480								
	5/15/99		154	0		3,362	0							
	9/3/99					1,501								
	12/27/99		143	14	151	1,641	6							
	5/31/00		203	0	113	2,384	73							
	11/10/00		203	0	122	1,460	27							
	3/16/01		121	0	37	219	0	174	4,008	32,000,000				
	9/20/01		437	0	7	564	0	169	6,950	15,920				
	2/25/02	a	980	0	a	52	a	197	a	0	108	5,980	35,350	
	9/30/02	a	1,046	0	a	68	a	160	a	21	46	7,421	10,300	
	4/11/03	a	55	0	a	70	a	337	a	0	39	6,400	17,500	
	9/30/03	a	406	2	a	96	a	136	a	2	251	5,732	5,000	
	3/26/04	a	690	0	a	2	a	11	a	0	235	9,774	7,700	11,900
	10/2/04		660					0	104	9,690				
	3/12/05		1,113					0	65	14,918				
	10/1/05		533					5	154	9,644				
	4/2/06		995					11	34	10,120				
	10/1/06		401					107	275	15,655				
	3/25/07		1,014					381	1,017	11,821				
	9/22/07		452					2	1,163	15,504				
	4/6/08		744					0	3,089	6,331				
	9/27/08		10					0	730	7,256				
3/30/09		763					0	2,850	9,037	3,644				
9/19/09		134					17.6	551	6,806					
3/27/10		45					1.5	154	10,016					
10/9/10		374					7.9	649	8,633					
4/9/11		671					3.3	146	6,865					
9/25/11		352					12.7	788	6,290					
5/18/12		478	5			237	26.9	535	2,973		12,170			
10/17/12		346					25.2	448	929					
4/13/13		72					3.0	23	839					
10/4/13		304					4.2	421	615					
4/25/14		11					1.3	42	2,445					
10/4/14		390					1.8	227	5,534					
4/3/15		6.59					2.6	17.3	4,921					
10/17/15		15.6					2.2	17.9	7,252					
3/17/16		2.8					1.8	19.0	2,361					
Total	10/16/16	5.3					1.1	56.9	5,431	4,060				
Chlorinated	3/18/17	306.2					5.0	103.5	4,442					
Volatiles *	10/8/17	456.3					1.7	140.8	3,152					
	6/4/18	708.4	0	1	75	0.0	76.3	2,819			7,450			

**Table 3. Groundwater Quality Summary - Chlorinated Volatile Organic Parameters
4210 Azalea Drive, Charleston, SC**

DATE	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-14
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All values are micrograms per liter (ug/l).

<10 - Compound not detected above method detection or method reporting level.

8/91 Sampling took place on 8/15-16/91.

* MW-2 abandoned on 12/16/92 for warehouse construction, and replaced with MW-2r on 10/26/94.

D - Compound exceeded upper calibration level. This value reported when value is below detection limit of dilution.

E - Compound exceeded upper calibration level. Sample was diluted and reanalyzed.

J - Concentration estimated below detection limit.

S - MS/MSD failure

*T - Prior to 3/30/93, 1,2-cis dichloroethene was not included in lab analyses.

9/8/97 results for MW-3,4,9,10,11, &12 were collected by GEL.

8/26/97 data for MW-8 is from routine sampling performed on 8/26/97.

3/16/01 results for MW-12 were for sample of free phase material.

a - Data from Brenntag report dated 4/28/04

Samples after 4/2006 collected with passive diffusion bag samplers

Table 4. Groundwater Quality Summary – Current Sampling Event

Table 4a. Groundwater Quality Summary - Current Sampling Event								
Parameter	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-14
Benzene	281	<1	<1	<1	<1	5.2	<25	<2000
Ethylbenzene	<5	<1	<1	<1	<1	<1	<25	8840
Toluene	<5	<1	<1	1.5	<1	<1	<25	102000
Xylenes	<5	<3	<3	1.1	<1	<1	<25	84700
Total Noncholinated	281	0	0	3	0	5.2	0	195,540

Parameter	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-14
Chlorobenzene	703	<1	1.1	2.5	<1	23.1	<25	<2000
Chloroethane	<5	<2	<2	<2	<1	<1	<25	<4000
1,2 Dicholorobenzene	<5	<1	<1	5.4	<1	36.4	<25	0
1,3 Dicholorobenzene	<5	<1	<1	0.71	<1	2.3	<25	<2000
1,4 Dicholorobenzene	5.4	<1	<1	2.5	<1	7.6	<25	0
1,1 Dichloroethane	<5	<1	<1	0.56	<1	1.1	<25	<2000
1,2 Dichloroethane	<5	<1	<1	<1	<1	<1	<25	<2000
1,1 Dichloroethene	<5	<1	<1	0.86	<1	<1	<25	<2000
cis-1,2 Dichloroethene	<5	<1	<1	33.7	<1	<1	2690	7450
trans- 1,2 Dichloroethene	<5	<1	<1	0.26	<1	<1	<25	<2000
Tetrachloroethene	<5	<1	<1	0.48	<1	<1	<25	<2000
Trichloroethene	<5	<1	<1	6.8	<1	<1	100	<2000
Vinylchloride	<5	<1	<1	21.1	<1	5.8	28.6	<2000
Total Cholinated	708.4	0	1.1	74.9	0	76.3	2,818.6	7,450

APPENDIX A
Report of Analysis

June 13, 2018

Jonathon Gerst
Peak Hydrogeologic
470 Hogback Mt Rd
Tryon, NC 28782

RE: Project: FORMER BURRIS CHEMICAL
Pace Project No.: 92387151

Dear Jonathon Gerst:

Enclosed are the analytical results for sample(s) received by the laboratory on June 05, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Taylor Ezell
taylor.ezell@pacelabs.com
(704)875-9092
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: FORMER BURRIS CHEMICAL
Pace Project No.: 92387151

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92387151001	MW9	EPA 8260	GAW	65	PASI-C
92387151002	MW10	EPA 8260	GAW	65	PASI-C
92387151003	MW4	EPA 8260	GAW	65	PASI-C
92387151004	MW11	EPA 8260	GAW	65	PASI-C

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW9	Lab ID: 92387151001	Collected: 06/04/18 08:00	Received: 06/05/18 14:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/11/18 17:45	67-64-1	
Benzene	ND	ug/L	1.0	1		06/11/18 17:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/11/18 17:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/11/18 17:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/11/18 17:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/11/18 17:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/11/18 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/11/18 17:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/11/18 17:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/11/18 17:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/11/18 17:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/11/18 17:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/11/18 17:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/11/18 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/11/18 17:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/11/18 17:45	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/11/18 17:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/11/18 17:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/11/18 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/11/18 17:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/11/18 17:45	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/11/18 17:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/11/18 17:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/11/18 17:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/11/18 17:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/11/18 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/11/18 17:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/11/18 17:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/11/18 17:45	91-20-3	
Styrene	ND	ug/L	1.0	1		06/11/18 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/18 17:45	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/18 17:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/11/18 17:45	127-18-4	
Toluene	ND	ug/L	1.0	1		06/11/18 17:45	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW9		Lab ID: 92387151001		Collected: 06/04/18 08:00		Received: 06/05/18 14:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level SC		Analytical Method: EPA 8260							
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:45	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/11/18 17:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/11/18 17:45	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		06/11/18 17:45	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		06/11/18 17:45	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/11/18 17:45	96-18-4		
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:45	526-73-8		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:45	108-67-8		
Vinyl acetate	ND	ug/L	2.0	1		06/11/18 17:45	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		06/11/18 17:45	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		06/11/18 17:45	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		06/11/18 17:45	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		06/11/18 17:45	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	1		06/11/18 17:45	460-00-4		
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		06/11/18 17:45	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		06/11/18 17:45	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW10	Lab ID: 92387151002	Collected: 06/04/18 08:45	Received: 06/05/18 14:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/11/18 17:28	67-64-1	
Benzene	5.2	ug/L	1.0	1		06/11/18 17:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/11/18 17:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/11/18 17:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/11/18 17:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/11/18 17:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/11/18 17:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/11/18 17:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/11/18 17:28	56-23-5	
Chlorobenzene	23.1	ug/L	1.0	1		06/11/18 17:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/11/18 17:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/11/18 17:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/11/18 17:28	74-87-3	
2-Chlorotoluene	3.2	ug/L	1.0	1		06/11/18 17:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/11/18 17:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/11/18 17:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/11/18 17:28	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/11/18 17:28	74-95-3	
1,2-Dichlorobenzene	36.4	ug/L	1.0	1		06/11/18 17:28	95-50-1	
1,3-Dichlorobenzene	2.3	ug/L	1.0	1		06/11/18 17:28	541-73-1	
1,4-Dichlorobenzene	7.6	ug/L	1.0	1		06/11/18 17:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/11/18 17:28	75-71-8	
1,1-Dichloroethane	1.1	ug/L	1.0	1		06/11/18 17:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/11/18 17:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/18 17:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/11/18 17:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/18 17:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/11/18 17:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/11/18 17:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/11/18 17:28	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/11/18 17:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/11/18 17:28	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/11/18 17:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/11/18 17:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/11/18 17:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/11/18 17:28	91-20-3	
Styrene	ND	ug/L	1.0	1		06/11/18 17:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/18 17:28	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/18 17:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/11/18 17:28	127-18-4	
Toluene	ND	ug/L	1.0	1		06/11/18 17:28	108-88-3	

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW10	Lab ID: 92387151002	Collected: 06/04/18 08:45	Received: 06/05/18 14:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/11/18 17:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/11/18 17:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/11/18 17:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/11/18 17:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/11/18 17:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/11/18 17:28	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:28	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/11/18 17:28	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1		06/11/18 17:28	108-05-4	
Vinyl chloride	5.8	ug/L	1.0	1		06/11/18 17:28	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		06/11/18 17:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/11/18 17:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/11/18 17:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		06/11/18 17:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		06/11/18 17:28	17060-07-0	
Toluene-d8 (S)	107	%	70-130	1		06/11/18 17:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW4		Lab ID: 92387151003	Collected: 06/04/18 09:15	Received: 06/05/18 14:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Acetone	ND	ug/L	125	5		06/11/18 18:02	67-64-1	
Benzene	281	ug/L	5.0	5		06/11/18 18:02	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		06/11/18 18:02	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		06/11/18 18:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		06/11/18 18:02	75-27-4	
Bromoform	ND	ug/L	5.0	5		06/11/18 18:02	75-25-2	
Bromomethane	ND	ug/L	25.0	5		06/11/18 18:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	5		06/11/18 18:02	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	5		06/11/18 18:02	56-23-5	
Chlorobenzene	703	ug/L	5.0	5		06/11/18 18:02	108-90-7	
Chloroethane	ND	ug/L	5.0	5		06/11/18 18:02	75-00-3	
Chloroform	8.7	ug/L	5.0	5		06/11/18 18:02	67-66-3	
Chloromethane	ND	ug/L	5.0	5		06/11/18 18:02	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		06/11/18 18:02	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		06/11/18 18:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		06/11/18 18:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		06/11/18 18:02	124-48-1	
Dibromomethane	ND	ug/L	5.0	5		06/11/18 18:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		06/11/18 18:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		06/11/18 18:02	541-73-1	
1,4-Dichlorobenzene	5.4	ug/L	5.0	5		06/11/18 18:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		06/11/18 18:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		06/11/18 18:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		06/11/18 18:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		06/11/18 18:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		06/11/18 18:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		06/11/18 18:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	5		06/11/18 18:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		06/11/18 18:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	5		06/11/18 18:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		06/11/18 18:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		06/11/18 18:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		06/11/18 18:02	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	5		06/11/18 18:02	108-20-3	
Ethylbenzene	ND	ug/L	5.0	5		06/11/18 18:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		06/11/18 18:02	87-68-3	
2-Hexanone	ND	ug/L	25.0	5		06/11/18 18:02	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	5		06/11/18 18:02	99-87-6	
Methylene Chloride	ND	ug/L	10.0	5		06/11/18 18:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		06/11/18 18:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		06/11/18 18:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	5		06/11/18 18:02	91-20-3	
Styrene	ND	ug/L	5.0	5		06/11/18 18:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		06/11/18 18:02	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		06/11/18 18:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	5		06/11/18 18:02	127-18-4	
Toluene	ND	ug/L	5.0	5		06/11/18 18:02	108-88-3	

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW4		Lab ID: 92387151003		Collected: 06/04/18 09:15		Received: 06/05/18 14:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level SC		Analytical Method: EPA 8260							
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		06/11/18 18:02	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		06/11/18 18:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	5		06/11/18 18:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	5		06/11/18 18:02	79-00-5		
Trichloroethene	ND	ug/L	5.0	5		06/11/18 18:02	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	5		06/11/18 18:02	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	5		06/11/18 18:02	96-18-4		
1,2,3-Trimethylbenzene	ND	ug/L	5.0	5		06/11/18 18:02	526-73-8		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		06/11/18 18:02	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		06/11/18 18:02	108-67-8		
Vinyl acetate	ND	ug/L	10.0	5		06/11/18 18:02	108-05-4		
Vinyl chloride	ND	ug/L	5.0	5		06/11/18 18:02	75-01-4		
Xylene (Total)	ND	ug/L	5.0	5		06/11/18 18:02	1330-20-7		
m&p-Xylene	ND	ug/L	10.0	5		06/11/18 18:02	179601-23-1		
o-Xylene	ND	ug/L	5.0	5		06/11/18 18:02	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	5		06/11/18 18:02	460-00-4		
1,2-Dichloroethane-d4 (S)	103	%	70-130	5		06/11/18 18:02	17060-07-0		
Toluene-d8 (S)	105	%	70-130	5		06/11/18 18:02	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW11		Lab ID: 92387151004	Collected: 06/04/18 09:45	Received: 06/05/18 14:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Acetone	ND	ug/L	625	25		06/11/18 18:19	67-64-1	
Benzene	ND	ug/L	25.0	25		06/11/18 18:19	71-43-2	
Bromobenzene	ND	ug/L	25.0	25		06/11/18 18:19	108-86-1	
Bromochloromethane	ND	ug/L	25.0	25		06/11/18 18:19	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	25		06/11/18 18:19	75-27-4	
Bromoform	ND	ug/L	25.0	25		06/11/18 18:19	75-25-2	
Bromomethane	ND	ug/L	125	25		06/11/18 18:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	25		06/11/18 18:19	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	25		06/11/18 18:19	56-23-5	
Chlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	108-90-7	
Chloroethane	ND	ug/L	25.0	25		06/11/18 18:19	75-00-3	
Chloroform	60.3	ug/L	25.0	25		06/11/18 18:19	67-66-3	
Chloromethane	ND	ug/L	25.0	25		06/11/18 18:19	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	25		06/11/18 18:19	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	25		06/11/18 18:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	25		06/11/18 18:19	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	25		06/11/18 18:19	124-48-1	
Dibromomethane	ND	ug/L	25.0	25		06/11/18 18:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	25		06/11/18 18:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	25		06/11/18 18:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	25		06/11/18 18:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	25		06/11/18 18:19	75-35-4	
cis-1,2-Dichloroethene	2690	ug/L	25.0	25		06/11/18 18:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	25		06/11/18 18:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	25		06/11/18 18:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	25		06/11/18 18:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	25		06/11/18 18:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	25		06/11/18 18:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	25		06/11/18 18:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	25		06/11/18 18:19	10061-02-6	
Diisopropyl ether	ND	ug/L	25.0	25		06/11/18 18:19	108-20-3	
Ethylbenzene	ND	ug/L	25.0	25		06/11/18 18:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	25		06/11/18 18:19	87-68-3	
2-Hexanone	ND	ug/L	125	25		06/11/18 18:19	591-78-6	
p-Isopropyltoluene	ND	ug/L	25.0	25		06/11/18 18:19	99-87-6	
Methylene Chloride	ND	ug/L	50.0	25		06/11/18 18:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	25		06/11/18 18:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	25		06/11/18 18:19	1634-04-4	
Naphthalene	ND	ug/L	25.0	25		06/11/18 18:19	91-20-3	
Styrene	ND	ug/L	25.0	25		06/11/18 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	25		06/11/18 18:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	25		06/11/18 18:19	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	25		06/11/18 18:19	127-18-4	
Toluene	ND	ug/L	25.0	25		06/11/18 18:19	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Sample: MW11		Lab ID: 92387151004	Collected: 06/04/18 09:45	Received: 06/05/18 14:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
1,2,3-Trichlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	25		06/11/18 18:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	25		06/11/18 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	25		06/11/18 18:19	79-00-5	
Trichloroethene	100	ug/L	25.0	25		06/11/18 18:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		06/11/18 18:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	25		06/11/18 18:19	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	25.0	25		06/11/18 18:19	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	25		06/11/18 18:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	25		06/11/18 18:19	108-67-8	
Vinyl acetate	ND	ug/L	50.0	25		06/11/18 18:19	108-05-4	
Vinyl chloride	28.8	ug/L	25.0	25		06/11/18 18:19	75-01-4	
Xylene (Total)	ND	ug/L	25.0	25		06/11/18 18:19	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	25		06/11/18 18:19	179601-23-1	
o-Xylene	ND	ug/L	25.0	25		06/11/18 18:19	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	25		06/11/18 18:19	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	25		06/11/18 18:19	17060-07-0	
Toluene-d8 (S)	105	%	70-130	25		06/11/18 18:19	2037-26-5	

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QUALITY CONTROL DATA

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

QC Batch: 414766 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92387151001, 92387151002, 92387151003, 92387151004

METHOD BLANK: 2300052 Matrix: Water
Associated Lab Samples: 92387151001, 92387151002, 92387151003, 92387151004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,1-Dichloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,1-Dichloroethene	ug/L	ND	1.0	06/11/18 09:20	
1,1-Dichloropropene	ug/L	ND	1.0	06/11/18 09:20	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/11/18 09:20	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/11/18 09:20	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
1,2-Dichloroethane	ug/L	ND	1.0	06/11/18 09:20	
1,2-Dichloropropane	ug/L	ND	1.0	06/11/18 09:20	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
1,3-Dichloropropane	ug/L	ND	1.0	06/11/18 09:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
2,2-Dichloropropane	ug/L	ND	1.0	06/11/18 09:20	
2-Butanone (MEK)	ug/L	ND	5.0	06/11/18 09:20	
2-Chlorotoluene	ug/L	ND	1.0	06/11/18 09:20	
2-Hexanone	ug/L	ND	5.0	06/11/18 09:20	
4-Chlorotoluene	ug/L	ND	1.0	06/11/18 09:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/11/18 09:20	
Acetone	ug/L	ND	25.0	06/11/18 09:20	
Benzene	ug/L	ND	1.0	06/11/18 09:20	
Bromobenzene	ug/L	ND	1.0	06/11/18 09:20	
Bromochloromethane	ug/L	ND	1.0	06/11/18 09:20	
Bromodichloromethane	ug/L	ND	1.0	06/11/18 09:20	
Bromoform	ug/L	ND	1.0	06/11/18 09:20	
Bromomethane	ug/L	ND	5.0	06/11/18 09:20	
Carbon tetrachloride	ug/L	ND	1.0	06/11/18 09:20	
Chlorobenzene	ug/L	ND	1.0	06/11/18 09:20	
Chloroethane	ug/L	ND	1.0	06/11/18 09:20	
Chloroform	ug/L	ND	1.0	06/11/18 09:20	
Chloromethane	ug/L	ND	1.0	06/11/18 09:20	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/11/18 09:20	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/11/18 09:20	
Dibromochloromethane	ug/L	ND	1.0	06/11/18 09:20	
Dibromomethane	ug/L	ND	1.0	06/11/18 09:20	
Dichlorodifluoromethane	ug/L	ND	1.0	06/11/18 09:20	
Diisopropyl ether	ug/L	ND	1.0	06/11/18 09:20	

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QUALITY CONTROL DATA

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

METHOD BLANK: 2300052

Matrix: Water

Associated Lab Samples: 92387151001, 92387151002, 92387151003, 92387151004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	1.0	06/11/18 09:20	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/11/18 09:20	
m&p-Xylene	ug/L	ND	2.0	06/11/18 09:20	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/11/18 09:20	
Methylene Chloride	ug/L	ND	2.0	06/11/18 09:20	
Naphthalene	ug/L	ND	1.0	06/11/18 09:20	
o-Xylene	ug/L	ND	1.0	06/11/18 09:20	
p-Isopropyltoluene	ug/L	ND	1.0	06/11/18 09:20	
Styrene	ug/L	ND	1.0	06/11/18 09:20	
Tetrachloroethene	ug/L	ND	1.0	06/11/18 09:20	
Toluene	ug/L	ND	1.0	06/11/18 09:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/11/18 09:20	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/11/18 09:20	
Trichloroethene	ug/L	ND	1.0	06/11/18 09:20	
Trichlorofluoromethane	ug/L	ND	1.0	06/11/18 09:20	
Vinyl acetate	ug/L	ND	2.0	06/11/18 09:20	
Vinyl chloride	ug/L	ND	1.0	06/11/18 09:20	
Xylene (Total)	ug/L	ND	1.0	06/11/18 09:20	
1,2-Dichloroethane-d4 (S)	%	105	70-130	06/11/18 09:20	
4-Bromofluorobenzene (S)	%	102	70-130	06/11/18 09:20	
Toluene-d8 (S)	%	108	70-130	06/11/18 09:20	

LABORATORY CONTROL SAMPLE: 2300053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	70-130	
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	70-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethene	ug/L	50	56.8	114	70-130	
1,1-Dichloropropene	ug/L	50	56.6	113	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.8	98	70-130	
1,2,3-Trichloropropane	ug/L	50	51.3	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.1	88	70-130	
1,2-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,2-Dichloroethane	ug/L	50	51.5	103	70-130	
1,2-Dichloropropane	ug/L	50	52.1	104	70-130	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,3-Dichloropropane	ug/L	50	52.7	105	70-130	
1,4-Dichlorobenzene	ug/L	50	49.9	100	70-130	
2,2-Dichloropropane	ug/L	50	50.0	100	70-130	
2-Butanone (MEK)	ug/L	100	106	106	70-130	

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QUALITY CONTROL DATA

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

LABORATORY CONTROL SAMPLE: 2300053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	48.0	96	70-130	
2-Hexanone	ug/L	100	96.2	96	70-130	
4-Chlorotoluene	ug/L	50	48.4	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.8	100	70-130	
Acetone	ug/L	100	111	111	70-130	
Benzene	ug/L	50	50.6	101	70-130	
Bromobenzene	ug/L	50	50.5	101	70-130	
Bromochloromethane	ug/L	50	52.6	105	70-130	
Bromodichloromethane	ug/L	50	48.4	97	70-130	
Bromoform	ug/L	50	45.3	91	70-130	
Bromomethane	ug/L	50	35.3	71	70-130	1g
Carbon tetrachloride	ug/L	50	49.5	99	70-130	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	41.5	83	70-130	1g
Chloroform	ug/L	50	55.4	111	70-130	
Chloromethane	ug/L	50	34.9	70	70-130	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dibromomethane	ug/L	50	50.8	102	70-130	
Dichlorodifluoromethane	ug/L	50	50.8	102	70-130	
Diisopropyl ether	ug/L	50	57.0	114	70-130	
Ethylbenzene	ug/L	50	50.0	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.1	94	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	54.2	108	70-130	
Methylene Chloride	ug/L	50	53.2	106	70-130	1g
Naphthalene	ug/L	50	48.4	97	70-130	
o-Xylene	ug/L	50	50.5	101	70-130	
p-Isopropyltoluene	ug/L	50	48.1	96	70-130	
Styrene	ug/L	50	48.9	98	70-130	
Tetrachloroethene	ug/L	50	50.4	101	70-130	
Toluene	ug/L	50	48.9	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.4	101	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	52.6	105	70-130	1g
Vinyl acetate	ug/L	100	120	120	70-130	1g
Vinyl chloride	ug/L	50	47.5	95	70-130	
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Parameter	92387151004		MS	MSD	2300054		2300055		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1,1,1,2-Tetrachloroethane	ug/L	ND	500	500	476	493	95	99	70-130	4		
1,1,1-Trichloroethane	ug/L	ND	500	500	584	616	117	123	70-130	5		
1,1,2,2-Tetrachloroethane	ug/L	ND	500	500	470	491	94	98	70-130	4		
1,1,2-Trichloroethane	ug/L	ND	500	500	541	555	108	111	70-130	2		
1,1-Dichloroethane	ug/L	ND	500	500	542	575	108	115	70-130	6		
1,1-Dichloroethene	ug/L	ND	500	500	604	641	121	128	70-130	6		
1,1-Dichloropropene	ug/L	ND	500	500	569	598	114	120	70-130	5		
1,2,3-Trichlorobenzene	ug/L	ND	500	500	469	500	94	100	70-130	6		
1,2,3-Trichloropropane	ug/L	ND	500	500	493	504	99	101	70-130	2		
1,2,4-Trichlorobenzene	ug/L	ND	500	500	476	492	95	98	70-130	3		
1,2-Dibromo-3-chloropropane	ug/L	ND	500	500	409	441	82	88	70-130	7		
1,2-Dichlorobenzene	ug/L	ND	500	500	515	535	103	107	70-130	4		
1,2-Dichloroethane	ug/L	ND	500	500	544	558	109	112	70-130	3		
1,2-Dichloropropane	ug/L	ND	500	500	549	571	110	114	70-130	4		
1,3-Dichlorobenzene	ug/L	ND	500	500	505	518	101	104	70-130	2		
1,3-Dichloropropane	ug/L	ND	500	500	514	534	103	107	70-130	4		
1,4-Dichlorobenzene	ug/L	ND	500	500	514	529	103	106	70-130	3		
2,2-Dichloropropane	ug/L	ND	500	500	520	546	104	109	70-130	5		
2-Butanone (MEK)	ug/L	ND	1000	1000	1050	1110	105	111	70-130	5		
2-Chlorotoluene	ug/L	ND	500	500	498	512	100	102	70-130	3		
2-Hexanone	ug/L	ND	1000	1000	945	984	95	98	70-130	4		
4-Chlorotoluene	ug/L	ND	500	500	496	517	99	103	70-130	4		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1000	1000	1010	1050	101	105	70-130	3		
Acetone	ug/L	ND	1000	1000	1100	1170	110	117	70-130	6		
Benzene	ug/L	ND	500	500	545	583	109	117	70-130	7		
Bromobenzene	ug/L	ND	500	500	512	525	102	105	70-130	3		
Bromochloromethane	ug/L	ND	500	500	575	609	115	122	70-130	6		
Bromodichloromethane	ug/L	ND	500	500	495	533	99	107	70-130	7		
Bromoform	ug/L	ND	500	500	403	416	81	83	70-130	3		
Bromomethane	ug/L	ND	500	500	371	401	74	80	70-130	8		
Carbon tetrachloride	ug/L	ND	500	500	541	570	108	114	70-130	5		
Chlorobenzene	ug/L	ND	500	500	524	536	105	107	70-130	2		
Chloroethane	ug/L	ND	500	500	508	524	102	105	70-130	3		
Chloroform	ug/L	60.3	500	500	623	606	113	109	70-130	3		
Chloromethane	ug/L	ND	500	500	361	365	71	72	70-130	1		
cis-1,2-Dichloroethene	ug/L	2690	500	500	3050	3070	72	76	70-130	1		
cis-1,3-Dichloropropene	ug/L	ND	500	500	507	525	101	105	70-130	3		
Dibromochloromethane	ug/L	ND	500	500	448	476	90	95	70-130	6		
Dibromomethane	ug/L	ND	500	500	520	565	104	113	70-130	8		
Dichlorodifluoromethane	ug/L	ND	500	500	520	542	104	108	70-130	4		
Diisopropyl ether	ug/L	ND	500	500	547	544	109	109	70-130	1		
Ethylbenzene	ug/L	ND	500	500	523	540	105	108	70-130	3		
Hexachloro-1,3-butadiene	ug/L	ND	500	500	469	503	94	101	70-130	7		
m&p-Xylene	ug/L	ND	1000	1000	1050	1090	105	109	70-130	3		
Methyl-tert-butyl ether	ug/L	ND	500	500	499	563	100	113	70-130	12		
Methylene Chloride	ug/L	ND	500	500	552	591	110	118	70-130	7		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Parameter	92387151004		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec						
Naphthalene	ug/L	ND	500	500	468	490	94	98	70-130	4				
o-Xylene	ug/L	ND	500	500	529	547	106	109	70-130	3				
p-Isopropyltoluene	ug/L	ND	500	500	497	511	99	102	70-130	3				
Styrene	ug/L	ND	500	500	502	511	100	102	70-130	2				
Tetrachloroethene	ug/L	ND	500	500	517	536	103	107	70-130	4				
Toluene	ug/L	ND	500	500	535	555	107	111	70-130	4				
trans-1,2-Dichloroethene	ug/L	ND	500	500	567	604	111	118	70-130	6				
trans-1,3-Dichloropropene	ug/L	ND	500	500	497	513	99	103	70-130	3				
Trichloroethene	ug/L	100	500	500	700	728	120	126	70-130	4				
Trichlorofluoromethane	ug/L	ND	500	500	606	646	121	129	70-130	6				
Vinyl acetate	ug/L	ND	1000	1000	1210	1220	121	122	70-130	1				
Vinyl chloride	ug/L	28.8	500	500	535	551	101	104	70-130	3				
Xylene (Total)	ug/L	ND	1500	1500	1580	1630	105	109	70-130	3				
1,2-Dichloroethane-d4 (S)	%						94	98	70-130					
4-Bromofluorobenzene (S)	%						99	98	70-130					
Toluene-d8 (S)	%						101	100	70-130					

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER BURRIS CHEMICAL

Pace Project No.: 92387151

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92387151001	MW9	EPA 8260	414766		
92387151002	MW10	EPA 8260	414766		
92387151003	MW4	EPA 8260	414766		
92387151004	MW11	EPA 8260	414766		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name: Peak Hydro.

Project **WO# : 92387151**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



92387151

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 01/31/0 [Signature]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: TD41 Type of Ice: Wet Blue None

Cooler Temp (°C): 5.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

Cooler Temp Corrected (°C): 5.0

Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: [Signature]

Date: 6/16

Project Manager SRF Review: [Signature]

Date: 6/16



Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Collform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottle

Project **WO# : 92387151**
 PM: PTE Due Date: 06/12/18
 CLIENT: 92-Peak Hydr

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG8P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGOU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																3													
2																3													
3																3													
4																3													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **Pace Analytical**

Address: **10 Highway 147a Rd**

City: **Irving TX 75038**

Phone: **972 417 5300**

Requested Date/Time: **5/18**

Section B

Required Project Information:

Report To: **Peak Hydrocarbon PLLC**

Copy To: **Peak Hydrocarbon PLLC**

Purchase Order No.: **160-18**

Project Name: **Former Burns Chemical**

Project Number: **160-18**

Section C

Invoice Information:

Attention: **Peak Quota**

Company Name: **Peak Quota**

Address: **Peak Quota**

Reference: **Peak Project Manager**

Requester Name: **Peak Profile #:**

Page: **1** of **1**

1885769

REGULATORY AGENCY:

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: **TX**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No / Lab ID.
					COMPOSITE START	COMPOSITE END/LAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	MW9	WT	G	G	6/1/18	0800	3	✓											
2	MW10	WT	G	G	6/5/18	1305	3	✓											
3	MW4	WT	G	G	6/5/18	1407	3	✓											
4	MW11	WT	G	G	6/5/18	1407	3	✓											

ADDITIONAL COMMENTS:

RELINQUISHED BY / AFFILIATION: **Peak Hydrocarbon PLLC**

DATE: **6/5/18** TIME: **1305**

ACCEPTED BY / AFFILIATION: **STAN BOKEL**

DATE: **6/5/18** TIME: **1305**

SAMPLER NAME AND SIGNATURE: **Stan Bokel**

PRINT Name of SAMPLER: **Stan Bokel**

SIGNATURE of SAMPLER: **Stan Bokel**

DATE Signed (MM/DD/YY): **6/5/18**

Temp in °C: **5.10**

Received on lcc (Y/N): **Y**

Custody Sealed Cooler (Y/N): **Y**

Samples Intact (Y/N): **Y**

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020 rev. 07.15-May-2007