EBA ENGINEERING

EBA Engineering Inc.
4813 Seton Drive
Baltimore, MD 21215

o 410.358.7171
f 410.358.7213
w www.ebaengineering.com

December 12, 2016

Ms. Susan Bull
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, MD 21230

Subject: Chester River Hospital Center – Monthly Monitoring Report for November 2016

Reference: MDE Case No. 87-2534-KE
MDE Facility ID No. 3168
EBA Engineering Inc. Project No. 4070-00

Dear Ms. Bull:

On behalf of Chester River Hospital Center (CRHC), EBA Engineering Inc. (EBA) is pleased to submit this monthly monitoring report for period of November 1st through November 30th. Monitoring activities were performed in accordance with MDE's "Approval for Revised 2015 Action Plan" letter dated July 22, 2015.

EBA has reviewed the site data collected by BrightFields, Inc. and laboratory results performed by Phase Separation Science Inc. (PSS). A summary of these activities are presented below.

- November Monthly Monitoring
  - Gauging of all monitoring and recovery wells.
  - Sampling of 11 targeted monitoring wells (MW-15, MW-16, MW-19, MW-20, MW-24, MW-33, MW-34, MW-35, MW48, MW-49, and MW-50) for the presence of Total Petroleum Hydrocarbons - Diesel Range Organics using EPA Method 8015.
  - Sampling of monitoring wells MW-51, MW-52, MW-53, MW-54, MW-55, and MW-56 for the presence of Total Petroleum Hydrocarbons - Diesel Range Organics using EPA Method 8015.
  - Sampling of monitoring wells MW-13, MW-20, MW-43, and MW-45 for the presence of Nonionic Surfactant using EPA SM5540D. Note: Sampling of MW-45 was not performed due to a parked car atop the well.

Based upon the field data collected and results of the laboratory analysis, we offer the following attachments for your review:

- Table 1 – Groundwater Monitoring Wells & Recovery Wells – Historic Data Summary
- Figure 1 – Water Table Contour Map
- Figure 2 – Water Quality Map of TPH-DRO
- Figure 3 – Water Quality Map of Benzene, Tolulene, Ethylbenzene, Xylenes (BTEX), and Naphthalene (Not Used)
- Figure 4 – Water Quality Map of Surfactants
- Appendix A – Laboratory Analytical Reports
- Appendix B – Well Gauging & Field Reports

Groundwater monitoring well data for all monitoring and recovery wells is included in **Table 1**. The table includes gauging and analytical data since June 2012.

Natural groundwater flow direction is towards the southeast and the Chester River. The water-table contour map, **Figure 1**, shows a depression in the upper parking lot (source area) created by groundwater recovery/containment system.

With respect to the eleven targeted monitoring wells (MW-15, MW-16, MW-19, MW-20, MW-24, MW-33, MW-34, MW-35, MW48, MW-49, and MW-50), the results of laboratory analyses for TPH-DRO, the primary constituent of concern, were below laboratory reporting limits for all wells with the exception of MW-20 at 2.2 mg/L. A site map showing concentrations of TPH-DRO is included in **Figure 2**. Laboratory results are included in **Appendix A.**

With respect to MW-51, MW-52, MW-53, MW-54, MW-55, and MW-56, the location of monitoring wells with detectable levels of TPH-DRO are north of Brown Street. A site map showing concentrations of TPH-DRO is included in **Figure 2**. Laboratory results are included in **Appendix A.**

Gauging of monitoring and recovery wells was performed on November 16th. None of the monitoring and recovery wells showed a measurable thickness (>0.01') of liquid phase hydrocarbons during gauging activities. Well gauging and field reports are included in **Appendix B**.

In reviewing the results from the surfactant analysis, residual surfactant was present at MW-13 and MW-43. These wells will again be sampled for the presence of surfactant during the next monitoring event. Surfactant results are included in **Table 1**.

Should you have any questions regarding this report, do not hesitate to call upon me at 410-504-6112.

Sincerely,

EBA Engineering, Inc.

James P. Sines, CHMM
Project Manager

Amar Sokhey, P.E., F.ASCE
Associate

Attachments:

cc: Mr. Ken Kozel (Shore Regional Health)
Mr. Dane Bauer (H&B Solutions, LLC)
Mr. Ken Hannon (BrightFields, Inc.)
Mayor Chris Cerino
Mr. Bill Ingersoll
Mr. Bob Sipes
Mr. Michael Forlini
Mr. Michael Powell, Esq. (Gordon-Fineblatt)

TABLE

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-1	5-Jun-12	57.05	47.38	9.67	<1	<1	<1	<2	<2	<1	**3.1**	NS	<1	NS
	6-Sep-12	57.05	46.01	11.04	<1	<1	<1	<2	<2	<1	**16**	NS	<1	NS
	4-Dec-12	57.05	46.12	10.93	<1	<1	<1	<2	<2	<1	**11**	<0.1	<1	NS
	4-Mar-13	57.05	45.95	11.10	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1	NS
	4-Jun-13	57.05	45.70	11.35	<1	<1	<1	<2	<2	<1	**3.0**	<0.1	<1	NS
	30-Jan-14	57.05	47.96	9.09	<1	<1	<1	<2	<2	<1	**62**	NS	<1	NS
	28-Apr-14	57.05	47.60	9.45	<1	<1	<1	<2	<2	<1	**5.4**	NS	<1	NS
	24-Oct-14	57.05	46.39	10.66	<1	<1	<1	<2	<2	<1	**1.2**	NS	<1	NS
	23-Jan-15	57.05	45.42	11.63	<1	<1	<1	<2	<2	<1	**10**	<0.1	<1	NS
	24-Apr-15	57.05	45.85	11.20	<1	<1	<1	<2	<2	<1	**2.7**	<0.1	<1	NS
	30-Jul-15	57.05	45.41	11.64	<1	<1	<1	<2	<2	<1	**2.0**	<0.1	<1	NS
	21-Sep-15	57.05	46.08	10.97	NS	NS	NS	NS	NS	NS	**1.7**	NS	NS	NS
	5-Oct-15	57.05	46.21	10.84	NS	NS	NS	NS	NS	NS	**0.62**	NS	NS	NS
	19-Oct-15	57.05	46.38	10.67	<5	<5	<5	<10	<10	<5	**0.51**	NS	<5	NS
	7-Jan-16	57.05	46.57	10.48	<1	<1	<1	<2	<2	<1	**2.1**	NS	<1	NS
	23-Feb-16	57.05	46.98	10.07	NS	NS	NS	NS	NS	NS	**1.0**	NS	NS	NS
	22-Apr-16	57.05	46.46	10.59	<1	<1	<1	<2	<2	<1	**3.6**	NS	<1	7.6
	24-May-16	57.05	46.03	11.02	NS	NS	NS	NS	NS	NS	**2.3**	NS	NS	<1.4
	28-Jul-16	57.05	46.02	11.03	<1	<1	<1	<2	<2	<1	**3.0**	NS	<1	NS
	27-Oct-16	57.05	46.97	10.08	<1	<1	<1	<2	<2	<1	**1.1**	NS	<1	NS

NS - Not Sampled

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-2	12-Jun-12	56.37	46.94	9.43	<1	<1	<1	<2	<2	<1	**6.6**	NS	**1.2**	NS
	6-Sep-12	56.37	45.45	10.92	<1	<1	<1	<2	<2	<1	**7.7**	NS	<1	NS
	4-Dec-12	56.37	45.55	10.82	<1	<1	<1	<2	<2	<1	**20**	<0.1	**8**	NS
	4-Mar-13	56.37	45.36	11.01	<1	<1	<1	<2	<2	<1	**28**	**0.44**	**5.9**	NS
	4-Jun-13	56.37	45.12	11.25	<1	<1	<1	<2	<2	<1	**15**	<0.1	<1	NS
	30-Jan-14	56.37	47.47	8.90	<1	<1	<1	<2	<2	<1	**21**	NS	**4.6**	NS
	28-Apr-14	56.37	47.15	9.22	<1	<1	<1	<2	<2	<1	**12**	NS	**2.2**	NS
	23-Jul-14	56.37	44.93	11.44	<1	<1	<1	<2	<2	<1	**3.3**	NS	<1	NS
	24-Oct-14	56.37	45.88	10.49	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jan-15	56.37	44.90	11.47	<1	<1	<1	<2	<2	<1	**13**	<0.1	<1	NS
	24-Apr-15	56.37	45.36	11.01	<1	<1	<1	<2	<2	<1	**12**	<0.1	<1	NS
	30-Jul-15	56.37	44.88	11.49	<1	<1	<1	<2	<2	<1	**1.4**	<0.1	<1	NS
	21-Sep-15	56.37	45.61	10.76	NS	NS	NS	NS	NS	NS	**1.9**	NS	NS	NS
	5-Oct-15	56.37	45.75	10.62	NS	NS	NS	NS	NS	NS	**5.6**	NS	NS	NS
	19-Oct-15	56.37	45.91	10.46	<5	<5	<5	<10	<10	<5	**0.63**	NS	<5	NS
	7-Jan-16	56.37	46.08	10.29	<1	<1	<1	<2	<2	<1	**3.1**	NS	<1	NS
	23-Feb-16	56.37	46.51	9.86	NS	NS	NS	NS	NS	NS	**0.94**	NS	NS	NS
	22-Apr-16	56.37	45.94	10.43	<1	<1	<1	<2	<2	<1	**3.8**	NS	<1	9.65
	24-May-16	56.37	45.47	10.90	NS	NS	NS	NS	NS	NS	**3.5**	NS	NS	7.20
	28-Jul-16	56.37	45.48	10.89	<1	<1	<1	<2	<2	<1	**3.0**	NS	<1	<3.5
	27-Oct-16	56.37	46.59	9.78	<1	<1	<1	<2	<2	<1	**1.2**	NS	<1	NS

NS - Not Sampled

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-3	5-Jun-12	50.55	41.82	8.73	<1	<1	<1	<2	<2	<1	**100**	NS	**4.1**	NS
	6-Sep-12	50.55	39.87	10.68	<1	<1	<1	<2	<2	<1	**0.61**	NS	**2.7**	NS
	4-Dec-12	50.55	39.92	10.63	<1	<1	<1	<1	<1	<1	**2.6**	<0.1	**2.8**	NS
	4-Mar-13	50.55	39.75	10.80	<1	<1	<1	<1	<1	<1	**0.48**	<0.1	**2.5**	NS
	4-Jun-13	50.55	39.50	11.05	<1	<1	<1	<2	<2	<1	**0.34**	<0.1	<1	NS
	30-Jan-14	50.55	42.00	8.55	<1	<1	<1	<2	<2	<1	**12**	NS	**2.3**	NS
	28-Apr-14	50.55	41.90	8.65	<1	<1	<1	<2	<2	<1	**2.2**	NS	**1.4**	NS
	23-Jul-14	50.55	39.33	11.22	<1	<1	<1	<2	<2	<1	**0.27**	NS	<1	NS
	24-Oct-14	50.55	40.63	9.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jan-15	50.55	39.42	11.13	<1	<1	<1	<2	<2	<1	**1.3**	<0.1	<1	NS
	24-Apr-15	50.55	40.09	10.46	<1	<1	<1	<2	<2	<1	**0.26**	<0.1	<1	NS
	30-Jul-15	50.55	39.55	11.00	<1	<1	<1	<2	<2	<1	**0.1**	<0.1	<1	NS
	21-Sep-15	50.55	40.20	10.35	NS	NS	NS	NS	NS	NS	**0.81**	NS	NS	NS
	5-Oct-15	50.55	40.47	10.08	NS	NS	NS	NS	NS	NS	**2.0**	NS	NS	NS
	19-Oct-15	50.55	40.63	9.92	<5	<5	<5	<10	<10	<5	**0.77**	NS	<5	NS
	7-Jan-16	50.55	40.72	9.83	<1	<1	<1	<2	<2	<1	**2.3**	NS	<1	NS
	23-Feb-16	50.55	41.18	9.37	NS	NS	NS	NS	NS	NS	**0.48**	NS	NS	NS
	22-Apr-16	50.55	40.79	9.76	<1	<1	<1	<2	<2	<1	**3.8**	NS	<1	<1.4
	28-Jul-16	50.55	40.07	10.48	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1	NS
	27-Oct-16	50.55	41.23	9.32	<1	1.4	<1	<2	1.4	<1	**1.4**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-4	5-Jun-12	53.40	44.10	9.30	<1	<1	<1	<2	<2	<1	0.1	NS	<1	NS
	5-Sep-12	53.40	42.55	10.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	53.40	42.64	10.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Mar-13	53.40	42.47	10.93	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Jun-13	53.40	42.22	11.18	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	30-Jan-14	53.40	44.51	8.89	<1	<1	<1	<2	<2	<1	**11**	NS	<1	NS
	28-Apr-14	53.40	44.23	9.17	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	53.40	41.98	11.42	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Oct-14	53.40	42.98	10.42	<1	<1	<1	<2	<2	<1	**0.15**	NS	<1	NS
	23-Jan-15	53.40	41.92	11.48	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	24-Apr-15	53.40	42.51	10.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	53.40	42.01	11.39	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Sep-15	53.40	42.69	10.71	NS	NS	NS	NS	NS	NS	**1.0**	NS	NS	NS
	5-Oct-15	53.40	42.88	10.52	NS	NS	NS	NS	NS	NS	**0.85**	NS	NS	NS
	19-Oct-15	53.40	43.05	10.35	<5	<5	<5	<10	<10	<5	**0.53**	NS	<5	NS
	7-Jan-16	53.40	43.15	10.25	<1	<1	<1	<2	<2	<1	**0.85**	NS	<1	NS
	23-Feb-16	53.40	43.58	9.82	NS	NS	NS	NS	NS	NS	**1.2**	NS	NS	NS
	22-Apr-16	53.40	43.02	10.38	<1	<1	<1	<2	<2	<1	**5.4**	NS	<1	15.2
	24-May-16	53.40	42.59	10.81	NS	NS	NS	NS	NS	NS	**9.5**	NS	NS	11.1
	28-Jul-16	53.40	42.98	10.42	<1	<1	<1	<2	<2	<1	**6.5**	NS	<1	3.71
	28-Sep-16	53.40	43.29	10.11	NS	NS	NS	NS	NS	NS	**3.2**	NS	NS	<1.4
	27-Oct-16	53.40	43.60	9.80	<1	<1	<1	<2	<2	<1	**4.5**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-5	5-Jun-12	61.08	51.42	9.66	<1	<1	<1	<2	<2	<1	**1.2**	NS	<1	NS
	6-Sep-12	61.08	50.01	11.07	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1	NS
	4-Dec-12	61.08	50.12	10.96	<1	<1	<1	<2	<2	<1	**0.38**	<0.1	<1	NS
	4-Mar-13	61.08	49.93	11.15	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1	NS
	4-Jun-13	61.08	49.68	11.40	<1	<1	<1	<2	<2	<1	**1.6**	<01	<1	NS
	30-Jan-14	61.08	51.93	9.15	<1	<1	<1	<2	<2	<1	**36**	NS	<1	NS
	28-Apr-14	61.08	51.62	9.46	<1	<1	<1	<2	<2	<1	**3.2**	NS	<1	NS
	24-Jul-14	61.08	49.46	11.62	<1	<1	<1	<2	<2	<1	**0.34**	NS	<1	NS
	24-Oct-14	61.08	50.41	10.67	<1	<1	<1	<2	<2	<1	**2.7**	NS	<1	NS
	23-Jan-15	61.08	49.42	11.66	<1	<1	<1	<2	<2	<1	**1.4**	<0.1	<1	NS
	24-Apr-15	61.08	49.89	11.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	61.08	49.40	11.68	<1	<1	<1	<2	<2	<1	**0.32**	<0.1	<1	NS
	21-Sep-15	61.08	50.05	11.03	NS	NS	NS	NS	NS	NS	**0.65**	NS	NS	NS
	5-Oct-15	61.08	50.23	10.85	NS	NS	NS	NS	NS	NS	**1.6**	NS	NS	NS
	19-Oct-15	61.08	50.41	10.67	<5	<5	<5	<10	<10	<5	**0.53**	NS	<5	NS
	7-Jan-16	61.08	50.60	10.48	<1	<1	<1	<2	<2	<1	**2.8**	NS	<1	NS
	23-Feb-16	61.08	51.04	10.04	NS	NS	NS	NS	NS	NS	**0.90**	NS	NS	NS
	22-Apr-16	61.08	50.51	10.57	<1	<1	<1	<2	<2	<1	**3.2**	NS	<1	2.16
	22-Jun-16	61.08	50.11	10.97	NS	NS	NS	NS	NS	NS	**0.62**	NS	NS	<1.4
	28-Jul-16	61.08	50.03	11.05	<1	<1	<1	<2	<2	<1	**0.96**	NS	<1	NS
	27-Oct-16	61.08	51.00	10.08	<1	<1	<1	<2	<2	<1	**0.77**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-9	6-Jun-12	46.95	40.41	6.54	1.1	<1	<1	<2	1.1e	<1	**3.7**	NS	**4.4**	NS
	6-Sep-12	46.95	36.99	9.96	<1	<1	<1	<2	<2	<1	**1.1**	NS	<1	NS
	4-Dec-12	46.10	36.18	9.92	<1	<1	<1	<2	<2	<1	**0.64**	<0.1	<1	NS
	4-Mar-13	46.10	35.98	10.12	<1	<1	<1	<2	<2	<1	**0.47**	<0.1	<1	NS
	4-Jun-13	46.10	35.72	10.38	<1	<1	<1	<2	<2	<1	**0.6**	<0.1	<1	NS
	30-Jan-14	46.10	39.47	6.63	<1	<1	<1	<2	<2	<1	**5.9**	NS	**1.5**	NS
	28-Apr-14	46.10	39.55	6.55	1.7	<1	1.7	<2	1.7	<1	**0.89**	NS	**3.2**	NS
	24-Jul-14	46.10	35.73	10.37	<1	<1	<1	<2	<2	<1	**1.4**	NS	**4.5**	NS
	24-Oct-14	46.60	38.60	8.00	<1	<1	<1	<2	<2	<1	**1.2**	NS	**1.5**	NS
	22-Jan-15	46.60	37.04	9.56	<1	<1	<1	<2	<2	<1	**2.3**	<0.1	**2.4**	NS
	24-Apr-15	46.60	37.31	9.29	<1	<1	<1	<2	<2	<1	**3.1**	<0.1	**3.2**	NS
	30-Jul-15	46.60	37.41	9.19	<1	<1	<1	<2	<2	<1	**0.26**	<0.1	**5.1**	NS
	21-Oct-15	46.60	38.60	8.00	<1	<1	<1	<2	<2	<1	**2.3**	NS	**2.8**	NS
	5-Jan-16	46.60	38.16	8.44	<1	<1	<1	<2	<2	<1	**7.4**	NS	**5.6**	NS
	23-Feb-16	-	-	-	NS	NS	NS	NS	NS	NS	**0.45**	NS	NS	NS
	22-Apr-16	46.60	38.56	8.04	<1	<1	<1	<2	<2	<1	**4.0**	NS	**1.9**	13.4
	25-May-16	46.60	37.03	9.57	NS	NS	NS	NS	NS	NS	**4.8**	NS	NS	11.0
	28-Jul-16	46.60	37.88	8.72	<1	<1	<1	<2	<2	<1	**3.6**	NS	**1.5**	<3.5
	27-Oct-16	46.60	39.28	7.32	<1	<1	<1	<2	<2	<1	**7.2**	NS	**4.1**	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-10R	4-Dec-12	48.81	36.90	11.91	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1	NS
	4-Mar-13	48.81	38.62	10.19	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1	NS
	3-Jun-13	48.70	38.23	10.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	48.70	41.86	6.84	<1	<1	<1	<2	<2	<1	**11**	NS	<1	NS
	28-Apr-14	48.70	41.49	7.21	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.3**	NS
	29-Jul-14	48.70	38.16	10.54	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	1.57
	15-Aug-14	48.70	38.88	9.82	<1	<1	<1	<2	<2	<1	**0.87**	<0.1	**1.2**	<1.4
	19-Sep-14	48.70	38.93	9.77	<1	<1	<1	<2	<2	<1	**0.88**	<0.1	**2.3**	<1.4
	24-Oct-14	48.70	40.09	8.61	<1	<1	<1	<2	<2	<1	**0.2**	<0.1	<1	<1.4
	20-Nov-14	48.70	39.30	9.40	<1	<1	<1	<2	<2	<1	**0.35**	<0.1	<1	<1.4
	23-Jan-15	48.70	38.71	9.99	<1	<1	<1	<2	<2	<1	**0.37**	<0.1	**1.9**	NS
	24-Apr-15	48.70	39.50	9.20	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	<1	NS
	30-Jul-15	48.70	38.99	9.71	<1	<1	<1	<2	<2	<1	**2.5**	<0.1	**1.7**	NS
	21-Oct-15	48.70	40.25	8.45	<1	<1	<1	<2	<2	<1	**0.16**	NS	<1	NS
	7-Jan-16	48.70	40.61	8.09	<1	<1	<1	<2	<2	<1	**1.2**	NS	<1	NS
	23-Feb-16	48.70	41.36	7.34	NS	NS	NS	NS	NS	NS	**1.9**	NS	NS	NS
	22-Apr-16	48.70	40.65	8.05	<1	<1	<1	<2	<2	<1	**5.1**	NS	<1	8.52
	25-May-16	48.70	39.11	9.59	NS	NS	NS	NS	NS	NS	**2.0**	NS	NS	<1.4
	28-Jul-16	48.70	39.89	8.81	<1	<1	<1	<2	<2	1.0	**3.7**	NS	<1	NS
	27-Oct-16	48.70	40.94	7.76	<1	<1	<1	<2	<2	<1	**0.86**	NS	<1	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-11	5-Jun-12	41.49	33.85	7.64	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	41.49	31.97	9.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	41.49	31.98	9.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	41.49	31.76	9.73	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	41.49	31.52	9.97	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	41.49	34.86	6.63	<1	<1	<1	<2	<2	<1	**12**	NS	<1	NS
	28-Apr-14	41.49	34.28	7.21	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Jul-14	41.49	31.38	10.11	<1	<1	<1	<2	<2	<1	**0.38**	NS	<1	NS
	24-Oct-14	41.49	32.81	8.68	<1	<1	<1	<2	<2	<1	**0.15**	NS	<1	NS
	23-Jan-15	41.49	31.53	9.96	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1	NS
	23-Apr-15	41.49	32.41	9.08	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	<1	NS
	30-Jul-15	41.49	31.92	9.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Oct-15	41.49	33.07	8.42	<1	<1	<1	<2	<2	<1	<0.11	NS	<1	NS
	7-Jan-16	41.49	33.11	8.38	<1	<1	<1	<2	<2	<1	**3.0**	NS	<1	NS
	23-Feb-16	41.49	33.80	7.69	NS	NS	NS	NS	NS	NS	**2.0**	NS	NS	NS
	22-Apr-16	41.49	33.10	8.39	<1	<1	<1	<2	<2	<1	**3.8**	NS	<1	28.4
	25-May-16	41.49	32.18	9.31	NS	NS	NS	NS	NS	NS	**5.0**	NS	NS	26.8
	28-Jul-16	41.49	32.51	8.98	<1	<1	<1	<2	<2	<1	**5.2**	NS	<1	<3.5
	27-Oct-16	41.49	33.57	7.92	<10	<10	<10	<20	<20	<10	**4.0**	NS	<10	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-12	5-Jun-12	44.46	36.85	7.61	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	44.46	34.52	9.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	44.46	34.53	9.93	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	44.46	34.35	10.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	44.46	34.08	10.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	1-Feb-14	44.46	37.00	7.46	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	44.46	36.68	7.78	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	44.46	33.98	10.48	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Oct-14	44.46	35.62	8.84	<1	<1	<1	<2	<2	<1	**0.38**	NS	<1	NS
	23-Jan-15	44.46	34.20	10.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	44.46	35.13	9.33	<1	<1	<1	<2	<2	<1	**0.17**	<0.1	<1	NS
	30-Jul-15	44.46	34.55	9.91	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Oct-15	44.46	35.70	8.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	7-Jan-16	44.46	35.61	8.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	44.46	35.54	8.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	28-Jul-16	44.46	34.99	9.47	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	27-Oct-16	44.46	36.24	8.22	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-13	6-Jun-12	41.70	34.94	6.76	<1	<1	<1	<2	<2	<1	**3.8**	NS	**1.2**	NS
	6-Sep-12	41.70	32.43	9.27	<1	<1	<1	<2	<2	<1	**0.86**	NS	**1.1**	NS
	4-Dec-12	41.70	32.41	9.29	<1	<1	<1	<2	<2	<1	**1**	<0.1	<1	NS
	4-Mar-13	41.70	32.21	9.49	<1	<1	<1	<2	<2	<1	**9.5**	<0.1	<1	NS
	4-Jun-13	41.70	31.92	9.78	<1	<1	<1	<2	<2	<1	**33**	<0.1	<1	NS
	30-Jan-14	41.70	36.15	5.55	<1	<1	<1	<2	<2	<1	**7.7**	NS	<1	NS
	28-Apr-14	41.70	35.67	6.03	<1	<1	<1	<2	<2	<1	**0.35**	NS	<1	NS
	29-Jul-14	41.70	31.82	9.88	<1	<1	<1	<2	<2	<1	**0.46**	<0.1	<1	<1.4
	14-Aug-14	41.70	32.77	8.93	<1	<1	<1	<2	<2	<1	**0.54**	<0.1	<1	<1.4
	19-Sep-14	41.70	32.90	8.80	<1	<1	<1	<2	<2	<1	**2.1**	<0.1	<1	<1.4
	19-Nov-14	41.70	33.16	8.54	<1	<1	<1	<2	<2	<1	**0.42**	<0.1	<1	<1.4
	23-Apr-15	41.70	33.78	7.92	<1	<1	<1	<2	<2	<1	**0.63**	<0.1	<1	NS
	30-Jul-15	41.70	33.23	8.47	<1	<1	<1	<2	<2	<1	**0.22**	<0.1	<1	NS
	21-Oct-15	41.70	34.45	7.25	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	7-Jan-16	41.70	34.31	7.39	<1	<1	<1	<2	<2	<1	**1.4**	NS	**1.1**	NS
	23-Feb-16	41.70	35.13	6.57	NS	NS	NS	NS	NS	NS	**1.2**	NS	NS	NS
	22-Apr-16	41.70	34.34	7.36	<1	<1	<1	<2	<2	<1	**4.7**	NS	<1	53.8
	22-Jun-16	41.70	33.89	7.81	NS	NS	NS	NS	NS	NS	**4.2**	NS	NS	28.9
	27-Jul-16	41.70	33.73	7.97	<1	<1	<1	<2	<2	<1	**9.4**	NS	<1	27.5
	27-Oct-16	41.70	34.77	6.93	<10	<10	<10	<20	<20	<10	**6.8**	NS	<10	8.28
	17-Nov-16	41.70	34.89	6.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.44

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-14	6-Jun-12	41.38	35.44	5.94	1.2	<1	19	3.1	24.3	<1	**17**	NS	**210**	NS
	6-Sep-12	41.38	32.04	9.34	<1	<1	<1	<2	<2	<1	**180**	NS	**6.3**	NS
	4-Dec-12	41.38	32.04	9.34	**6.2**	<1	31	104	141.2	<1	**9700**	**4.7**	**250**	NS
	4-Mar-13	41.38	31.81	9.57	<1	<1	5.2	<2	5.2	<1	**92**	**0.24**	**40**	NS
	4-Jun-13	41.38	31.32	10.06	<1	<1	<1	<2	<2	<1	**410**	<0.1	**3.6**	NS
	30-Jan-14	41.38	36.74	4.64	2.9	<1	40	8	<2	<1	**21**	NS	**110**	NS
	28-Apr-14	41.38	36.33	5.05	2.5	<1	39	9.3	50.8	<1	**1.5**	NS	**110**	NS
	29-Jul-14	41.38	31.52	9.86	<1	<1	<1	<2	<2	<1	**9.8**	<0.1	**8.8**	<1.4
	14-Aug-14	41.38	33.12	8.26	<1	<1	9.0	<2	9	<1	**23**	**0.17**	**81**	<1.4
	19-Sep-14	41.38	34.06	7.32	1.3	<1	22	3.1	26.4	<1	**210**	**0.39**	**140**	<1.4
	24-Oct-14				<1	<1	3.0	<2	3	<1	**38**	**0.13**	**24**	<1.4
	19-Nov-14	41.38	32.04	9.34	<1	<1	<1	<2	<2	<1	**42**	**0.2**	**13**	<1.4
	23-Jan-15	41.38	33.60	7.78	<1	<1	<1	<2	<2	<1	**130**	<0.1	**12**	NS
	23-Apr-15	41.38	34.30	7.08	<1	<1	10	<2	10	<1	**19**	**0.26**	**59**	NS
	30-Jul-15	41.38	33.75	7.63	<1	<1	6.6	<2	6.6	<1	**89**	**0.19**	**54**	NS
	21-Sep-15	41.38	34.91	6.47	NS	NS	NS	NS	NS	NS	**2.3**	NS	NS	NS
	5-Oct-15	41.38	34.93	6.45	NS	NS	NS	NS	NS	NS	**22**	NS	NS	NS
	19-Oct-15	41.38	35.04	6.34	<5	<5	26	<10	26	<5	**3.3**	NS	**170**	NS
	5-Jan-16	41.38	34.79	6.59	1.2	<1.0	30	7.0	38.2	<1.0	**2.8**	NS	**170**	NS
	23-Feb-16	41.38	35.33	6.05	NS	NS	NS	NS	NS	NS	**0.91**	NS	NS	NS
	22-Apr-16	41.38	34.84	6.54	<1	<1	1.3	<2	1.3	<1	**0.97**	NS	**10**	<1.4
	28-Jul-16	41.38	34.28	7.10	1.9	<1	20	4.8	26.7	<1	**4.1**	NS	**120**	NS
	27-Oct-16	41.38	35.05	6.33	<1	<1	21	2.5	23.5	<1	**2.4**	NS	**180**	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-15	5-Jun-12	35.01	27.73	7.28	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.01	26.70	8.31	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	35.01	26.79	8.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	35.01	26.82	8.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	35.01	26.63	8.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	35.01	26.35	8.66	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	35.01	26.20	8.81	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.01	26.14	8.87	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1	NS
	17-Jun-13	35.01	26.70	8.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	35.01	27.97	7.04	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	21-Aug-13	35.01	28.22	6.79	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	35.01	28.45	6.56	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	35.01	28.28	6.73	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Nov-13	35.01	28.27	6.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	35.01	28.42	6.59	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	35.01	28.78	6.23	<1	<1	<1	<2	<2	<1	**0.2**	NS	**67**	NS
	24-Feb-14	35.01	28.50	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	35.01	28.21	6.80	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	35.01	27.83	7.18	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	35.01	27.56	7.45	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	35.01	26.32	8.69	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	14-Aug-14	35.01	26.25	8.76	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.01	25.90	9.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.01	26.32	8.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	22-Jan-15	35.01	25.53	9.48	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	35.01	26.24	8.77	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	26-Mar-15	35.01	26.10	8.91	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	35.01	25.97	9.04	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	35.01	25.87	9.14	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	35.01	25.78	9.23	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	35.01	25.57	9.44	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	35.01	26.55	8.46	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	35.01	26.85	8.16	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	35.01	26.96	8.05	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	35.01	27.03	7.98	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-15	22-Feb-16	35.01	27.14	7.87	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	35.01	26.76	8.25	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Apr-16	-	-	-	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	35.01	26.27	8.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	35.01	26.19	8.82	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	35.01	26.19	8.82	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	35.01	26.90	8.11	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	35.01	27.10	7.91	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	35.01	27.10	7.91	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1	NS
	17-Nov-16	35.01	27.20	7.81	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-16	5-Jun-12	35.55	28.70	6.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.55	27.27	8.28	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	35.55	27.35	8.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	35.55	27.40	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	35.55	27.19	8.36	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	7-Jan-13	35.55	27.10	8.45	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Feb-13	35.55	26.95	8.60	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	35.55	26.92	8.63	<1	<1	<1	<2	<2	<1	**0.18**	<0.1	<1	NS
	8-Apr-13	35.55	26.84	8.71	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	35.55	26.77	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.55	26.71	8.84	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1	NS
	17-Jun-13	35.55	27.48	8.07	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	35.55	28.99	6.56	NS	NS	NS	NS	NS	NS	**0.21**	NS	NS	NS
	21-Aug-13	35.55	29.27	6.28	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	35.55	29.50	6.05	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	35.55	29.17	6.38	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	35.55	29.16	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	35.55	29.37	6.18	NS	NS	NS	NS	NS	NS	**0.19**	NS	NS	NS
	30-Jan-14	35.55	29.62	5.93	<1	<1	<1	<2	<2	<1	**0.24**	NS	<1	NS
	24-Feb-14	35.55	29.35	6.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	35.55	29.24	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	35.55	28.79	6.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	35.55	28.53	7.02	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	35.55	27.03	8.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	23-Jul-14	35.55	26.47	9.08	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.55	27.07	8.48	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.55	26.63	8.92	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.55	27.40	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	35.55	27.40	8.15	<1	<1	<1	<2	<2	<1	**0.10**	<0.1	<2	NS
	22-Jan-15	35.55	26.24	9.31	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	35.55	27.18	8.37	<1	<1	<1	<2	<2	<1	**0.10**	<0.1	<1	NS
	25-Mar-15	35.55	27.02	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	35.55	27.10	8.45	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	35.55	26.78	8.77	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	35.55	26.61	8.94	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-16	29-Jul-15	35.55	26.65	8.90	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	35.55	26.36	9.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	35.55	27.45	8.10	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	35.55	27.79	7.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	35.55	27.85	7.70	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	35.55	27.93	7.62	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	35.55	27.71	7.84	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	35.55	28.10	7.45	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	35.55	27.67	7.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	35.55	27.47	8.08	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	35.55	26.97	8.58	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	35.55	27.08	8.47	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	27-Jul-16	35.55	27.06	8.49	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	35.55	27.86	7.69	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	35.55	28.01	7.54	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	26-Oct-16	35.55	28.03	7.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Nov-16	35.55	28.14	7.41	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-17	5-Jun-12	35.49	27.72	7.77	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.49	27.16	8.33	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	35.49	27.10	8.39	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	35.49	26.81	8.68	<1	<1	<1	<2	<2	<1	**1.0**	<0.1	<1	NS
	4-Jun-13	35.49	26.59	8.90	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1	NS
	1-Feb-14	35.49	28.95	6.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	35.49	27.95	7.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	35.49	26.23	9.26	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	14-Aug-14	35.49	26.51	8.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.49	28.22	7.27	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.49	26.87	8.62	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	22-Jan-15	35.49	25.91	9.58	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	35.49	26.35	9.14	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	35.49	25.98	9.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Oct-15	35.49	27.03	8.46	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Apr-16	35.49	26.75	8.74	<1	<1	<1	<2	<2	<1	**0.14**	NS	<1	<1.4
	27-Jul-16	35.49	26.42	9.07	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-18	5-Jun-12	35.82	28.73	7.09	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.82	28.34	7.48	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	35.82	28.30	7.52	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	<1	NS
	4-Mar-13	35.82	27.98	7.84	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.82	27.79	8.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	35.82	30.05	5.77	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	28-Apr-14	35.82	28.83	6.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	35.82	27.34	8.48	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.82	27.56	8.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.82	27.36	8.46	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	35.82	27.83	7.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.82	27.91	7.91	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Jan-15	35.82	27.01	8.81	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	35.82	27.32	8.50	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Jul-15	35.82	27.08	8.74	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Oct-15	35.82	28.03	7.79	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	35.82	27.98	7.84	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	35.82	27.65	8.17	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	35.82	27.39	8.43	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	26-Oct-16	35.82	28.16	7.66	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-19	5-Jun-12	38.85	32.60	6.25	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	38.85	29.91	8.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	38.85	30.00	8.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	38.85	30.07	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	38.85	29.89	8.96	<1	<1	<1	<2	<2	<1	**0.86**	<0.1	<1	NS
	7-Jan-13	38.85	29.82	9.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	**5.1**	NS
	5-Feb-13	38.85	29.67	9.18	<1	<1	<1	<2	<2	<1	**0.17**	<0.1	<1	NS
	4-Mar-13	38.85	29.65	9.20	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	**1**	NS
	8-Apr-13	38.85	29.55	9.30	<1	<1	<1	<2	<2	<1	**1.3**	<0.1	<1	NS
	6-May-13	38.85	29.47	9.38	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1	NS
	4-Jun-13	38.85	29.41	9.44	<1	<1	<1	<2	<2	<1	**0.36**	<0.1	<1	NS
	17-Jun-13	38.85	30.97	7.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	38.85	32.96	5.89	NS	NS	NS	NS	NS	NS	**0.14**	NS	NS	NS
	21-Aug-13	38.85	33.33	5.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	38.85	33.51	5.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	38.85	32.85	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	38.85	32.99	5.86	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	38.85	33.23	5.62	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	38.85	33.23	5.62	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1	NS
	24-Feb-14	38.85	32.97	5.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	38.85	33.06	5.79	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	38.85	32.65	6.20	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	38.85	32.33	6.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	38.85	29.95	8.90	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	29-Jul-14	38.85	29.33	9.52	<1	<1	<1	<2	<2	<1	**0.14**	<0.1	<1	<1.4
	14-Aug-14	38.85	30.24	8.61	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	38.85	29.98	8.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	38.85	31.32	7.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Nov-14	38.85	30.58	8.27	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	38.85	31.13	7.72	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Jan-15	38.85	29.66	9.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Feb-15	38.85	30.98	7.87	<1	<1	<1	<2	<2	<1	**0.10**	<0.1	<1	NS
	26-Mar-15	38.85	30.75	8.10	<1	<1	<1	<2	<2	<1	**0.10**	<0.1	<1	NS
	23-Apr-15	38.85	30.90	7.95	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	38.85	30.46	8.39	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	38.85	30.03	8.82	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-19	29-Jul-15	38.85	30.30	8.55	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	38.85	29.65	9.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	38.85	31.23	7.62	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	38.85	31.54	7.31	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	38.85	31.32	7.53	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	38.85	31.62	7.23	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	38.85	31.33	7.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	38.85	31.97	6.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	38.85	31.54	7.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	38.85	31.29	7.56	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	38.85	30.21	8.64	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	38.85	30.78	8.07	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	-	-	-	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	38.85	31.67	7.18	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	38.85	31.75	7.10	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	38.85	31.83	7.02	<1	<1	<1	<2	<2	<1	**0.10**	NS	<1	NS
	17-Nov-16	38.85	31.96	6.89	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-20	5-Jun-12	38.72	32.63	6.09	<1	<1	<1	<2	<2	<1	**1.3**	NS	<1	NS
	27-Jul-12	38.72	30.11	8.61	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1	NS
	5-Sep-12	38.72	29.74	8.98	<1	<1	<1	<2	<2	<1	**1.8**	NS	<1	NS
	1-Oct-12	38.72	29.84	8.88	<1	<1	<1	<2	<2	<1	**4**	<0.1	<1	NS
	5-Nov-12	38.72	29.92	8.80	<1	<1	<1	<2	<2	<1	**2.5**	<0.1	<1	NS
	4-Dec-12	38.72	29.72	9.00	<1	<1	<1	<2	<2	<1	**1.9**	<0.1	<1	NS
	7-Jan-13	38.72	29.68	9.04	<1	<1	<1	<2	<2	<1	**0.68**	<0.1	**2.2**	NS
	5-Feb-13	38.72	29.57	9.15	<1	<1	<1	<2	<2	<1	**0.95**	<0.1	<1	NS
	4-Mar-13	38.72	29.49	9.23	<1	<1	<1	<2	<2	<1	**2.2**	<0.1	<1	NS
	8-Apr-13	38.72	29.40	9.32	<1	<1	<1	<2	<2	<1	**1**	<0.1	<1	NS
	6-May-13	38.72	29.31	9.41	<1	<1	<1	<2	<2	<1	**1.8**	<0.1	<1	NS
	4-Jun-13	38.72	29.24	9.48	<1	<1	<1	<2	<2	<1	**1.6**	<0.1	<1	NS
	17-Jun-13	38.72	31.08	7.64	NS	NS	NS	NS	NS	NS	**1.9**	NS	NS	NS
	24-Jul-13	38.72	32.96	5.76	NS	NS	NS	NS	NS	NS	**2.2**	NS	NS	NS
	21-Aug-13	38.72	33.33	5.39	NS	NS	NS	NS	NS	NS	**2**	NS	NS	NS
	24-Sep-13	38.72	33.51	5.21	NS	NS	NS	NS	NS	NS	**1.1**	NS	NS	NS
	21-Oct-13	38.72	32.91	5.81	NS	NS	NS	NS	NS	NS	**2.4**	NS	NS	NS
	18-Nov-13	38.72	33.00	5.72	NS	NS	NS	NS	NS	NS	**2.8**	NS	NS	NS
	18-Dec-13	38.72	33.26	5.46	NS	NS	NS	NS	NS	NS	**2.4**	NS	NS	NS
	30-Jan-14	38.72	33.29	5.43	<1	<1	<1	<2	<2	<1	**5.7**	NS	<1	NS
	24-Feb-14	38.72	33.06	5.66	NS	NS	NS	NS	NS	NS	**0.58**	NS	NS	NS
	24-Mar-14	38.72	33.13	5.59	NS	NS	NS	NS	NS	NS	**4.4**	NS	NS	NS
	28-Apr-14	38.72	32.71	6.01	<1	<1	<1	<2	<2	<1	**0.70**	NS	<1	NS
	20-May-14	38.72	32.42	6.30	NS	NS	NS	NS	NS	NS	**0.74**	NS	NS	NS
	24-Jun-14	38.72	29.78	8.94	NS	NS	NS	NS	NS	NS	**0.12**	NS	NS	NS
	29-Jul-14	38.72	29.17	9.55	<1	<1	<1	<2	<2	<1	**0.33**	<0.1	<1	<1.4
	14-Aug-14	38.72	30.08	8.64	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	38.72	29.95	8.77	<1	<1	<1	<2	<2	<1	**0.94**	<0.1	<1	<1.4
	24-Oct-14	38.72	31.32	7.40	<1	<1	<1	<2	<2	<1	**0.22**	<0.1	<1	<1.4
	21-Nov-14	38.72	30.43	8.29	<1	<1	<1	<2	<2	<1	**0.3**	<0.1	<1	<1.4
	17-Dec-14	38.72	31.13	7.59	<1	<1	<1	<2	<2	<1	**0.24**	<0.1	<1	NS
	22-Jan-15	38.72	29.68	9.04	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	38.72	30.98	7.74	<1	<1	<1	<2	<2	<1	**0.47**	<0.1	<1	NS
	26-Mar-15	38.72	30.77	7.95	<1	<1	<1	<2	<2	<1	**0.37**	<0.1	<1	NS
	23-Apr-15	38.72	30.91	7.81	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	38.72	30.47	8.25	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-20	23-Jun-15	38.72	30.03	8.69	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1	NS
	29-Jul-15	38.72	30.29	8.43	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	38.72	29.61	9.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	38.72	31.29	7.43	NS	NS	NS	NS	NS	NS	**0.16**	NS	NS	NS
	20-Oct-15	38.72	31.56	7.16	<1	<1	<1	<2	<2	<1	**0.24**	NS	<1	NS
	19-Nov-15	38.72	31.32	7.40	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	38.72	31.65	7.07	NS	NS	NS	NS	NS	NS	**0.16**	NS	NS	NS
	5-Jan-16	38.72	31.29	7.43	<1	<1	<1	<2	<2	<1	**0.23**	NS	<1	NS
	22-Feb-16	38.72	32.08	6.64	NS	NS	NS	NS	NS	NS	**1.2**	NS	NS	NS
	16-Mar-16	38.72	31.62	7.10	NS	NS	NS	NS	NS	NS	**1.8**	NS	NS	NS
	21-Apr-16	38.72	31.33	7.39	<1	<1	<1	<2	<2	<1	**7.0**	NS	<1	142
	24-May-16	38.72	30.10	8.62	NS	NS	NS	NS	NS	NS	**6.5**	NS	NS	NS
	22-Jun-16	38.72	30.82	7.90	NS	NS	NS	NS	NS	NS	**1.7**	NS	NS	NS
	27-Jul-16	-	-	-	<10	<10	<10	<2.0	<10	<10	**7.1**	NS	<10	25.3
	24-Aug-16	38.72	31.69	7.03	NS	NS	NS	NS	NS	NS	**5.5**	NS	NS	10.5
	28-Sep-16	38.72	31.79	6.93	NS	NS	NS	NS	NS	NS	**5.0**	NS	NS	3.52
	27-Oct-16	38.72	31.86	6.86	<5	<5	<5	<10	<10	<5	**5.0**	NS	<5	2.59
	17-Nov-16	38.72	31.97	6.75	NS	NS	NS	NS	NS	NS	**2.2**	NS	NS	<1.4

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-21	5-Jun-12	38.55	31.26	7.29	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	38.55	29.61	8.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	38.55	29.56	8.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	38.55	29.33	9.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	38.55	29.09	9.46	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	1-Feb-14	38.55	31.22	7.33	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	38.55	31.63	6.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	38.55	28.97	9.58	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Oct-14	38.55	30.37	8.18	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Jan-15	38.55	28.92	9.63	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	38.55	29.92	8.63	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	38.55	29.41	9.14	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Oct-15	38.55	30.56	7.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	38.55	30.42	8.13	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	38.55	30.28	8.27	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	38.55	29.83	8.72	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	27-Oct-16	38.55	30.88	7.67	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-22	5-Sep-12	45.75	35.84	9.91	<1	<1	<1	<2	<2	<1	**41**	NS	**1.7**	NS
	5-Dec-12	45.75	35.88	9.87	<1	<1	<1	<2	<2	<1	**200**	**0.45**	<1	NS
	4-Mar-13	47.04	36.95	10.09	<1	<1	<1	<2	<2	<1	**4.5**	**0.26**	**1.3**	NS
	4-Jun-13	47.04	36.77	10.27	<1	<1	<1	<2	<2	<1	**44**	<0.1	<1	NS
	30-Jan-14	47.04	44.14	2.90	<1	<1	<1	<2	<2	<1	**0.16**	NS	**1.3**	NS
	28-Apr-14	47.04	43.72	3.32	<1	<1	<1	<2	<2	<1	**0.19**	NS	<1	NS
	25-Jul-14	47.04	36.59	10.45	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	**1.1**	<1.4
	15-Aug-14	47.04	37.54	9.50	<1	<1	<1	<2	<2	<1	**0.41**	<0.1	**2.0**	<1.4
	19-Sep-14	47.04	42.72	4.32	<1	<1	<1	<2	<2	<1	**0.35**	<0.1	**2.0**	<2.34
	24-Oct-14	47.04	43.68	3.36	<1	<1	<1	<2	<2	<1	<0.1	<0.1	**2.4**	<1.4
	21-Nov-14	47.04	36.15	10.89	<1	<1	<1	<2	<2	<1	**0.62**	<0.1	**2.8**	<1.4
	23-Jan-15	47.04	40.55	6.49	<1	<1	<1	<2	<2	<1	**0.19**	<0.1	**3.1**	NS
	24-Apr-15	47.04	39.91	7.13	<1	<1	<1	<2	<2	<1	**0.21**	<0.1	**2.1**	NS
	30-Jul-15	47.04	39.98	7.06	<1	<1	<1	<2	<2	<1	**0.14**	<0.1	**2.3**	NS
	21-Oct-15	47.04	39.91	7.13	<1	<1	<1	<2	<2	<1	**0.13**	NS	**1.5**	NS
	7-Jan-16	47.04	39.28	7.76	<1	<1	<1	<2	<2	<1	**0.11**	NS	<1	NS
	21-Apr-16	-	-	-	<1	<1	<1	<2	<2	<1	**0.23**	NS	**1.3**	NS
	28-Jul-16	47.04	41.68	5.36	<1	<1	<1	<2	<2	<1	**0.25**	NS	**1.8**	NS
	27-Oct-16	47.04	44.66	2.38	<1	<1	<1	<2	<2	<1	**0.31**	NS	**1.4**	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-23	5-Jun-12	35.95	28.98	6.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.95	28.55	7.40	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	35.95	28.40	7.55	<1	<1	<1	<2	<2	<1	**11**	<0.1	<1	NS
	4-Mar-13	35.95	28.10	7.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.95	27.92	8.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	35.95	30.23	5.72	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	35.95	29.10	6.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	35.95	27.53	8.42	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.95	27.78	8.17	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.95	27.66	8.29	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	35.95	28.06	7.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.95	28.10	7.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Jan-15	35.95	27.19	8.76	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	35.95	27.60	8.35	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Jul-15	35.95	27.32	8.63	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Oct-15	35.95	28.28	7.67	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	35.95	28.21	7.74	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	35.95	27.87	8.08	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	35.95	27.82	8.13	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	26-Oct-16	35.95	28.41	7.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-24	5-Jun-12	36.56	29.65	6.91	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	36.56	28.35	8.21	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	36.56	28.41	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	36.56	28.48	8.08	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	36.56	28.28	8.28	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	<1	NS
	7-Jan-13	36.56	28.16	8.40	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Feb-13	36.56	28.03	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	36.56	27.99	8.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	8-Apr-13	36.56	27.91	8.65	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	36.56	27.86	8.70	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	36.56	27.80	8.76	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	17-Jun-13	36.56	28.48	8.08	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	36.56	29.96	6.60	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	21-Aug-13	36.56	30.24	6.32	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	36.56	30.46	6.10	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	36.56	30.14	6.42	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	36.56	30.12	6.44	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	36.56	30.30	6.26	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	36.56	30.57	5.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	24-Feb-14	36.56	30.29	6.27	NS	NS	NS	NS	NS	NS	**0.17**	NS	NS	NS
	24-Mar-14	36.56	30.19	6.37	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	36.56	29.73	6.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	36.56	29.47	7.09	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	36.56	28.10	8.46	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	23-Jul-14	36.56	27.57	8.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	36.56	28.12	8.44	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	36.56	27.67	8.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	36.56	28.51	8.05	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	36.56	28.43	8.13	<1	<1	<1	<2	<2	<1	**0.47**	<0.1	<1	<1.4
	17-Dec-14	36.56	28.38	8.18	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Jan-15	36.56	27.27	9.29	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Feb-15	36.56	28.18	8.38	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	<1	NS
	25-Mar-15	36.56	28.00	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	36.56	28.10	8.46	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	36.56	27.28	9.28	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	36.56	27.60	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-24	28-Jul-15	36.56	27.65	8.91	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	36.56	27.39	9.17	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	36.56	28.40	8.16	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	19-Oct-15	36.56	28.75	7.81	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	36.56	28.80	7.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	36.56	28.90	7.66	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	36.56	28.65	7.91	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	36.56	28.98	7.58	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	36.56	28.64	7.92	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	36.56	28.44	8.12	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	36.56	27.97	8.59	NS	NS	NS	NS	NS	NS	**0.13**	NS	NS	NS
	22-Jun-16	36.56	28.06	8.50	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	36.56	28.06	8.50	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	36.56	28.82	7.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	36.56	28.97	7.59	NS	NS	NS	NS	NS	NS	**0.15**	NS	NS	NS
	26-Oct-16	36.56	28.99	7.57	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Nov-16	36.56	29.12	7.44	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-25	5-Jun-12	36.10	28.76	7.34	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	36.10	28.18	7.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	36.10	28.08	8.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	36.10	27.78	8.32	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	36.10	27.57	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	36.10	30.04	6.06	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	36.10	28.94	7.16	<1	<1	<1	<2	<2	<1	**0.33**	NS	<1	NS
	23-Jul-14	36.10	27.20	8.90	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	36.10	27.54	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	36.10	27.23	8.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	36.10	27.95	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Nov-14	36.10	27.88	8.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Jan-15	36.10	26.90	9.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	36.10	27.37	8.73	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	36.10	27.05	9.05	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Oct-15	36.10	28.09	8.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	36.10	28.03	8.07	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	36.10	27.73	8.37	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	36.10	27.40	8.70	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	26-Oct-16	36.10	28.28	7.82	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-28	5-Jun-12	35.90	28.28	7.62	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.90	28.20	7.70	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	35.90	28.02	7.88	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	35.90	27.73	8.17	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.90	27.52	8.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	35.90	29.64	6.26	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	35.90	28.32	7.58	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jul-14	35.90	26.98	8.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.90	27.43	8.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.90	27.01	8.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	35.90	27.39	8.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.90	27.46	8.44	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1	<1.4
	21-Jan-15	35.90	26.67	9.23	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	35.90	26.85	9.05	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Jul-15	35.90	26.65	9.25	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Oct-15	35.90	27.57	8.33	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	35.90	27.56	8.34	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	35.90	27.19	8.71	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	35.90	26.97	8.93	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	26-Oct-16	35.90	27.71	8.19	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-29	5-Jun-12	35.15	28.18	6.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	35.15	28.16	6.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	35.15	27.96	7.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	35.15	27.68	7.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	35.15	27.46	7.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	35.15	29.57	5.58	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	35.15	28.20	6.95	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Jul-14	35.15	26.92	8.23	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.15	27.04	8.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.15	26.93	8.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<3.5
	23-Oct-14	35.15	27.29	7.86	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.15	27.35	7.80	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Jan-15	35.15	26.59	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Apr-15	35.15	26.75	8.40	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Jul-15	35.15	26.58	8.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	19-Oct-15	35.15	27.49	7.66	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Jan-16	35.15	27.43	7.72	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	21-Apr-16	35.15	27.06	8.09	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	27-Jul-16	35.15	26.86	8.29	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	26-Oct-16	35.15	27.58	7.57	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-31R	4-Dec-12	47.40	36.19	11.21	<1	<1	<1	<2	<2	<1	**0.45**	<0.1	<1	NS
	4-Mar-13	47.40	37.16	10.24	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1	NS
	3-Jun-13	47.40	36.92	10.48	<1	<1	<1	<2	<2	4.1	<0.1	<0.1	<1	NS
	30-Jan-14	47.40	39.89	7.51	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	47.40	39.40	8.00	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Jul-14	47.40	36.74	10.66	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Oct-14	47.40	38.07	9.33	<1	<1	<1	<2	<2	1.3	<0.1	NS	<1	NS
	23-Jan-15	47.40	36.83	10.57	<1	<1	<1	<2	<2	1.8	**0.68**	<0.1	<1	NS
	24-Apr-15	47.40	37.56	9.84	<1	<1	<1	<2	<2	2.4	<0.1	<0.1	<1	NS
	30-Jul-15	47.40	37.05	10.35	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	**1.7**	NS
	21-Oct-15	47.40	38.17	9.23	<1	<1	<1	<2	<2	2.4	<0.1	NS	<1	NS
	7-Jan-16	47.40	38.36	9.04	<1	<1	<1	<2	<2	1.1	<0.1	NS	<1	NS
	22-Apr-16	47.40	38.30	9.10	<1	<1	<1	<2	<2	1.5	<0.1	NS	<1	<1.4
	28-Jul-16	47.40	37.72	9.68	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	27-Oct-16	47.40	38.75	8.65	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-32	5-Jun-12	44.60	37.08	7.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	44.60	34.84	9.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	44.60	34.89	9.71	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	47.41	37.39	10.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	47.41	37.15	10.26	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1	NS
	30-Jan-14	47.41	40.65	6.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	28-Apr-14	47.41	41.60	5.81	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Jul-14	47.41	37.02	10.39	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	23-Jan-15	47.41	37.45	9.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	47.41	38.25	9.16	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	47.41	37.72	9.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Oct-15	47.41	38.92	8.49	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	7-Jan-16	47.41	39.10	8.31	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Apr-16	47.41	39.14	8.27	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1	1.51
	22-Jun-16	47.41	38.57	8.84	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	<1.4
	28-Jul-16	47.41	38.48	8.93	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-33	5-Jun-12	36.52	29.89	6.63	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	36.52	27.85	8.67	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	36.52	27.94	8.58	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	36.52	27.99	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	36.52	27.80	8.72	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	7-Jan-13	36.52	27.73	8.79	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Feb-13	36.52	27.56	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	36.52	27.54	8.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	8-Apr-13	36.52	27.46	9.06	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	36.52	27.32	9.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	17-Jun-13	36.52	28.47	8.05	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	36.52	30.24	6.28	NS	NS	NS	NS	NS	NS	**0.31**	NS	NS	NS
	21-Aug-13	36.52	30.55	5.97	NS	NS	NS	NS	NS	NS	**0.25**	NS	NS	NS
	24-Sep-13	36.52	30.76	5.76	NS	NS	NS	NS	NS	NS	**0.17**	NS	NS	NS
	21-Oct-13	36.52	30.28	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	36.52	30.33	6.19	NS	NS	NS	NS	NS	NS	**0.24**	NS	NS	NS
	18-Dec-13	36.52	30.54	5.98	NS	NS	NS	NS	NS	NS	**0.3**	NS	NS	NS
	30-Jan-14	36.52	30.69	5.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	36.52	30.41	6.11	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	36.52	30.42	6.10	NS	NS	NS	NS	NS	NS	**0.13**	NS	NS	NS
	28-Apr-14	36.52	29.98	6.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	36.52	29.69	6.84	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	36.52	27.76	8.76	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	29-Jul-14	36.52	27.17	9.35	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	14-Aug-14	36.52	27.96	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	36.52	27.49	9.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	36.52	28.68	7.84	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Nov-14	36.52	28.27	8.25	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1	<1.4
	17-Dec-14	36.52	28.51	8.01	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Jan-15	36.52	27.13	9.39	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	36.52	28.32	8.20	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1	NS
	26-Mar-15	36.52	28.10	8.42	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	36.52	28.26	8.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	36.52	27.85	8.67	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	36.52	27.54	8.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-33	29-Jul-15	36.52	27.70	8.82	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	36.52	27.26	9.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	36.52	28.60	7.92	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	36.52	28.91	7.61	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	36.52	28.92	7.60	<1	<1	<1	<2	<2	<1	**0.35**	NS	<1	NS
	17-Dec-15	36.52	29.03	7.49	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	36.52	28.71	7.81	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	36.52	29.31	7.21	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	36.52	28.87	7.65	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	36.52	28.60	7.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	36.52	27.88	8.64	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	36.52	28.18	8.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	36.52	28.15	8.37	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-Aug-16	36.52	29.01	7.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	36.52	29.15	7.37	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	36.52	29.38	7.14	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Nov-16	36.52	29.32	7.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-34	5-Jun-12	36.64	29.99	6.65	<1	<1	<1	<2	<2	<1	**0.14**	NS	<1	NS
	27-Jul-12	36.64	28.32	8.32	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	36.64	27.99	8.65	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	36.64	28.08	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	36.64	28.14	8.50	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	36.64	27.95	8.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	7-Jan-13	36.64	27.86	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Feb-13	36.64	27.71	8.93	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	36.64	27.68	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	8-Apr-13	36.64	27.61	9.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	36.64	27.53	9.11	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1	NS
	4-Jun-13	36.64	27.46	9.18	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	<1	NS
	17-Jun-13	36.64	28.62	8.02	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	36.64	30.30	6.34	NS	NS	NS	NS	NS	NS	**0.13**	NS	NS	NS
	21-Aug-13	36.64	30.60	6.04	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	36.64	30.81	5.83	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	36.64	30.40	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	36.64	30.42	6.22	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	36.64	30.64	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	36.64	30.82	5.82	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	36.64	30.55	6.09	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	36.64	30.51	6.13	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	36.64	30.05	6.59	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	36.64	29.81	6.83	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	36.64	27.90	8.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	29-Jul-14	36.64	27.33	9.31	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	14-Aug-14	36.64	28.06	8.58	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	36.64	27.76	8.88	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Oct-14	36.64	28.76	7.88	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1	<1.4
	21-Nov-14	36.64	28.41	8.23	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	36.64	28.66	7.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Jan-15	36.64	27.31	9.33	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	36.64	28.43	8.21	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1	NS
	26-Mar-15	36.64	28.23	8.41	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	36.64	28.38	8.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	36.64	27.97	8.67	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-34	23-Jun-15	36.64	27.67	8.97	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	36.64	27.85	8.79	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	36.64	27.39	9.25	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	36.64	28.70	7.94	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	36.64	29.03	7.61	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	36.64	29.11	7.53	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	36.64	29.16	7.48	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	36.64	28.87	7.77	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	36.64	29.44	7.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	36.64	28.98	7.66	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	36.64	28.77	7.87	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	36.64	28.03	8.61	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	36.64	28.31	8.33	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	36.64	28.25	8.39	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-Aug-16	36.64	29.13	7.51	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	28-Sep-16	36.64	29.28	7.36	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	36.64	29.32	7.32	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Nov-16	36.64	29.42	7.22	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-35	5-Jun-12	38.62	31.79	6.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	38.62	29.63	8.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	1-Oct-12	38.62	29.70	8.92	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Nov-12	38.62	29.72	8.90	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Dec-12	38.62	29.60	9.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	7-Jan-13	38.62	29.55	9.07	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	5-Feb-13	38.62	29.38	9.24	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	38.62	29.33	9.29	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	8-Apr-13	38.62	29.28	9.34	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	38.62	29.22	9.40	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Jun-13	38.62	29.15	9.47	<1	<1	<1	<2	<2	<1	**0.16**	<0.1	<1	NS
	17-Jun-13	38.62	30.35	8.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	38.62	32.11	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Aug-13	38.62	32.42	6.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	38.62	32.62	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	38.62	32.23	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	38.62	32.24	6.38	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	38.62	32.48	6.14	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	38.62	32.61	6.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	38.62	32.38	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	38.62	32.35	6.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	38.62	31.93	6.69	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	38.62	31.67	6.95	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	38.62	29.58	9.04	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	29-Jul-14	38.62	28.98	9.64	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	14-Aug-14	38.62	29.77	8.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	38.62	29.38	9.24	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<2.34
	24-Oct-14	38.62	30.57	8.05	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	21-Nov-14	38.62	30.11	8.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	38.62	30.45	8.17	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Jan-15	38.62	29.11	9.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	38.62	30.26	8.36	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	26-Mar-15	38.62	30.03	8.59	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Apr-15	38.62	30.15	8.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	38.62	29.75	8.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-35	23-Jun-15	38.62	29.41	9.21	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	29-Jul-15	38.62	29.62	9.00	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	38.62	29.07	9.55	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	38.62	30.51	8.11	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	38.62	30.81	7.81	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	38.62	30.80	7.82	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	38.62	30.98	7.64	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	5-Jan-16	38.62	30.70	7.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	38.62	31.32	7.30	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	38.62	30.89	7.73	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Apr-16	38.62	30.62	8.00	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	38.62	29.80	8.82	NS	NS	NS	NS	NS	NS	**0.10**	NS	NS	NS
	22-Jun-16	38.62	30.15	8.47	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	38.62	30.07	8.55	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-Aug-16	38.62	30.98	7.64	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	38.62	31.11	7.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	38.62	31.15	7.47	<1	<1	<1	<2	<2	<1	**0.11**	NS	<1	NS
	17-Nov-16	38.62	31.28	7.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-37	5-Jun-12	50.54	41.64	8.90	<1	<1	<1	<2	<2	<1	**22**	NS	**3.9**	NS
	6-Sep-12	50.54	39.81	10.73	<1	2.9	1.7	<2	4.6	<1	**100**	NS	**17**	NS
	4-Dec-12	50.54	39.89	10.65	<1	<1	<1	<2	<2	<1	**27**	<0.1	**6.1**	NS
	4-Mar-13	50.54	39.70	10.84	<1	<1	<1	<2	<2	<1	**67**	**0.47**	**7.4**	NS
	4-Jun-13	50.54	39.45	11.09	<1	<1	<1	<2	<2	<1	**12**	<0.1	**3.9**	NS
	30-Jan-14	50.54	41.97	8.57	<1	<1	<1	<2	<2	<1	**46**	NS	**2.1**	NS
	28-Apr-14	50.54	41.79	8.75	<1	<1	<1	<2	<2	<1	**8.8**	NS	**5.8**	NS
	24-Jul-14	50.54	39.27	11.27	<1	<1	<1	<2	<2	<1	**23**	NS	**5.3**	NS
	24-Oct-14	50.54	40.56	9.98	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	23-Jan-15	50.54	39.41	11.13	<1	<1	<1	<2	<2	<1	**28**	<0.1	**4.4**	NS
	24-Apr-15	50.54	39.99	10.55	<1	<1	<1	<2	<2	<1	**7.1**	<0.1	**1.4**	NS
	30-Jul-15	50.54	39.50	11.04	<1	<1	<1	<2	<2	<1	**0.35**	<0.1	**1.4**	NS
	21-Sep-15	50.54	40.21	10.33	NS	NS	NS	NS	NS	NS	**2.3**	NS	NS	NS
	5-Oct-15	50.54	40.35	10.19	NS	NS	NS	NS	NS	NS	**1.3**	NS	NS	NS
	19-Oct-15	50.54	40.52	10.02	<5	<5	<5	<10	<10	<5	**0.76**	NS	<5	NS
	7-Jan-16	50.54	40.85	9.69	<1	<1	<1	<2	<2	<1	**5.2**	NS	<1	NS
	23-Feb-16	50.54	41.18	9.36	NS	NS	NS	NS	NS	NS	**1.4**	NS	NS	NS
	22-Apr-16	50.54	40.58	9.96	<1	<1	<1	<2	<2	1.4	**5.2**	NS	<1	<1.4
	28-Jul-16	50.54	40.08	10.46	<1	<1	<1	<2	<2	<1	**5.8**	NS	**1.7**	NS
	27-Oct-16	50.54	41.17	9.37	<1	<1	<1	<2	<2	<1	**1.4**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-40	6-Jun-12	46.85	39.96	6.89	<1	<1	<1	<2	<2	<1	**12**	NS	<1	NS
	6-Sep-12	46.85	36.79	10.06	<1	<1	<1	1.1e	1.1e	<1	**26**	NS	**1.5**	NS
	4-Dec-12	46.85	36.84	10.01	<1	<1	<1	1.2e	1.2e	<1	**190**	<0.1	**2.1**	NS
	4-Mar-13	48.98	38.66	10.32	<1	<1	<1	<2	<2	<1	**21**	<0.1	**1.5**	NS
	4-Jun-13	48.69	38.22	10.47	<1	<1	<1	1.9e	1.9e	<1	**76**	**0.19**	**3.3**	NS
	30-Jan-14	48.69	42.48	6.21	<1	<1	<1	<2	<2	<1	**5.9**	NS	<1	NS
	28-Apr-14	48.69	42.00	6.69	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	29-Jul-14	48.69	38.11	10.58	<1	<1	<1	<2	<2	<1	**15**	<0.1	<1	<1.4
	15-Aug-14	48.69	38.99	9.70	<100	<100	<100	<200	<200	<100	**9.1**	<0.1	<100	28.3
	19-Sep-14	48.88	39.61	9.27	<1	<1	<1	<2	<2	<1	**3.6**	<0.1	**1.7**	2.38
	24-Oct-14	48.88	40.80	8.08	<1	<1	<1	<2	<2	<1	**7.6**	<0.1	**2.5**	<1.4
	19-Nov-14	48.88	39.78	9.10	<1	<1	<1	<2	<2	<1	**2.1**	<0.1	<1	<1.4
	23-Jan-15	48.88	39.13	9.75	<1	<1	<1	<2	<2	<1	**6.5**	<0.1	<1	NS
	23-Apr-15	48.88	40.08	8.80	<1	<1	<1	<2	<2	<1	**1.9**	<0.1	<1	NS
	30-Jul-15	48.88	39.61	9.27	<1	<1	<1	<2	<2	<1	**0.47**	<0.1	<1	NS
	21-Oct-15	48.88	40.82	8.06	<1	<1	<1	<2	<2	<1	**2.2**	NS	<1	NS
	7-Jan-16	48.88	41.20	7.68	<1	<1	<1	<2	<2	<1	**0.69**	NS	<1	NS
	23-Feb-16	48.88	42.28	6.60	NS	NS	NS	NS	NS	NS	**0.25**	NS	NS	NS
	22-Apr-16	48.88	41.42	7.46	<1	<1	<1	<2	<2	<1	**0.61**	NS	<1	<1.4
	28-Jul-16	48.88	40.53	8.35	<1	<1	<1	1.1	1.1	<1	**0.88**	NS	**2.5**	NS
	27-Oct-16	48.88	41.67	7.21	<1	<1	<1	<2	<2	<1	**0.18**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-41	6-Jun-12	42.92	36.62	6.30	<1	<1	3.4	12	15.4	<1	**92**	NS	**46**	NS
	6-Sep-12	42.92	33.31	9.61	<1	<1	1.2	5.1	7.2	<1	**23**	NS	**24**	NS
	4-Dec-12	42.92	33.29	9.63	<1	<1	9	20	29	<1	**190**	**1.7**	**82**	NS
	4-Mar-13	42.92	33.06	9.86	<1	<1	2.5	5.6	8.1	<1	**63**	**0.15**	**23**	NS
	4-Jun-13	42.92	32.81	10.11	<1	<1	1.7	6.9	8.6	<1	**410**	**0.35**	**14**	NS
	30-Jan-14	42.92	37.41	5.51	<1	<1	3.6	6.2	<2	<1	**76**	NS	**30**	NS
	28-Apr-14	42.92	37.18	5.74	<1	<1	<1	<2	<2	<1	**0.53**	NS	**5.2**	NS
	29-Jul-14	42.92	32.85	10.07	<1	<1	<1	<2	<2	<1	**9.5**	<0.1	**5.7**	2.8
	15-Aug-14	42.92	34.00	8.92	<100	<100	<100	<200	<200	<100	**28**	**0.12**	<100	36.2
	19-Sep-14	43.15	34.84	8.31	<1	<1	<1	1.3	1.3	<1	**3.9**	<0.1	**11**	9.56
	24-Oct-14	43.15	36.03	7.12	<1	<1	<1	<2	<2	<1	**1.6**	<0.1	<1	<1.4
	19-Nov-14	43.15	34.60	8.55	<1	<1	<1	<2	<2	<1	**3.1**	<0.1	**4**	2.77
	23-Jan-15	43.15	34.47	8.68	<1	<1	<1	<2	<2	<1	**2.2**	<0.1	**1.8**	NS
	23-Apr-15	43.15	35.57	7.58	<1	<1	<1	<2	<2	<1	**3.7**	<0.1	<1	NS
	30-Jul-15	43.15	34.87	8.28	<1	<1	<1	<2	<2	<1	**1.2**	<0.1	**2.9**	NS
	21-Oct-15	43.15	36.20	6.95	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1	NS
	5-Jan-16	43.15	35.76	7.39	<1	<1	<1	<2	<2	<1	**3.7**	NS	**5.4**	NS
	23-Feb-16	43.15	36.94	6.21	NS	NS	NS	NS	NS	NS	**0.98**	NS	NS	NS
	22-Apr-16	43.15	36.96	6.19	<1	<1	1.6	<2	1.6	<1	**3.6**	NS	**13**	44.4
	25-May-16	43.15	33.97	9.18	NS	NS	NS	NS	NS	NS	**4.8**	NS	NS	7.80
	28-Jul-16	43.15	35.49	7.66	<1	<1	9.4	<2	9.4	<1	**7.9**	NS	**110**	3.71
	28-Sep-16	43.15	36.37	6.78	NS	NS	NS	NS	NS	NS	**3.0**	NS	NS	<1.4
	27-Oct-16	43.15	36.65	6.50	<10	<10	<10	<20	<20	<10	**5.3**	NS	**67**	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-42	6-Jun-12	47.04	40.48	6.56	<1	<1	1.2	<2	1.2e	<1	**110**	NS	**16**	NS
	6-Sep-12	47.04	37.06	9.98	<1	<1	<1	<2	<2	<1	**98**	NS	**6.5**	NS
	4-Dec-12	46.15	36.17	9.98	<1	<1	<1	<2	<2	<1	**160**	<0.1	**2.6**	NS
	4-Mar-13	46.15	36.00	10.15	<1	<1	<1	<2	<2	<1	**87**	<0.1	**2.8**	NS
	4-Jun-13	46.15	35.72	10.43	<1	<1	<1	<2	<2	<1	**55**	<0.1	**6.1**	NS
	30-Jan-14	46.15	39.32	6.83	<1	<1	<1	<2	<2	<1	**0.47**	NS	**1.3**	NS
	28-Apr-14	46.15	39.43	6.72	<1	<1	<1	<2	<2	<1	**0.30**	NS	**4.1**	NS
	29-Jul-14	46.15	35.68	10.47	<1	<1	<1	<2	<2	<1	**96**	NS	**2.3**	<1.4
	15-Aug-14	46.15	36.67	9.48	<1	<1	<1	<2	<2	<1	**9.1**	<0.1	**2.7**	20.2
	19-Sep-14	47.11	37.83	9.28	<1	<1	<1	<2	<2	<1	**1.0**	<0.1	<1	4.8
	24-Oct-14	47.11	39.14	7.97	<1	<1	<1	<2	<2	<1	**1.4**	<0.1	<1	2.62
	20-Nov-14	47.11	37.81	9.30	<1	<1	<1	<2	<2	<1	**1.2**	<0.1	**1.1**	<1.4
	22-Jan-15	47.11	37.57	9.54	<1	<1	<1	<2	<2	<1	**1.2**	<0.1	<1	NS
	24-Apr-15	47.11	38.06	9.05	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	<1	NS
	30-Jul-15	47.11	37.40	9.71	<1	<1	<1	<2	<2	<1	**0.74**	<0.1	**1.1**	NS
	21-Oct-15	47.11	38.81	8.30	<1	<1	<1	<2	<2	<1	**0.23**	NS	<1	NS
	5-Jan-16	47.11	38.63	8.48	<1	<1	<1	<2	<2	<1	**2.5**	NS	**1.3**	NS
	23-Feb-16	47.11	39.81	7.30	NS	NS	NS	NS	NS	NS	**1.7**	NS	NS	NS
	22-Apr-16	47.11	39.02	8.09	<1	<1	<1	<2	<2	<1	**4.2**	NS	<1	14.4
	25-May-16	47.11	37.55	9.56	NS	NS	NS	NS	NS	NS	**4.0**	NS	NS	<1.4
	28-Jul-16	47.11	38.34	8.77	<1	<1	<1	<2	<2	<1	**3.8**	NS	<1	NS
	27-Oct-16	47.11	39.76	7.35	<1	<1	<1	<2	<2	<1	**0.9**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-43	6-Jun-12	46.55	39.73	6.82	<1	<1	<1	<2	<2	<1	**0.21**	NS	<1	NS
	6-Sep-12	46.55	36.62	9.93	<1	<1	<1	<2	<2	<1	**0.21**	NS	<1	NS
	4-Dec-12	46.55	36.61	9.94	<1	<1	<1	<2	<2	<1	**0.22**	<0.1	<1	NS
	4-Mar-13	48.03	37.92	10.11	<1	<1	<1	<2	<2	<1	**0.1**	<0.1	<1	NS
	4-Jun-13	47.90	37.55	10.35	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	**1.4**	NS
	30-Jan-14	47.90	41.75	6.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Apr-14	47.90	41.50	6.40	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.5**	NS
	29-Jul-14	47.90	37.44	10.46	<1	<1	<1	<2	<2	<1	**14**	<0.1	<1	<1.4
	15-Aug-14	47.90	38.28	9.62	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	<1	<1.4
	19-Sep-14	47.90	39.09	8.81	<1	<1	<1	<2	<2	<1	**0.21**	<0.1	<1	<2.69
	24-Oct-14	47.90	40.24	7.66	<1	<1	<1	<2	<2	<1	**0.32**	<0.1	<1	<1.4
	19-Nov-14	47.90	38.68	9.22	<1	<1	<1	<2	<2	<1	**0.33**	<0.1	<1	<1.4
	22-Jan-15	47.90	38.70	9.20	<1	<1	<1	<2	<2	<1	**2.2**	<0.1	<1	NS
	24-Apr-15	47.90	39.36	8.54	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	47.90	38.91	8.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Oct-15	47.90	40.07	7.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	7-Jan-16	47.90	40.18	7.72	<1	<1	<1	<2	<2	<1	**0.67**	NS	<1	NS
	23-Feb-16	47.90	41.54	6.36	NS	NS	NS	NS	NS	NS	**0.56**	NS	NS	NS
	22-Apr-16	47.90	40.71	7.19	<1	<1	<1	<2	<2	<1	**8.2**	NS	<1	7.96
	25-May-16	47.90	38.74	9.16	NS	NS	NS	NS	NS	NS	**9.5**	NS	NS	5.00
	28-Jul-16	47.90	39.78	8.12	<1	<1	<1	<2	<2	<1	**9.2**	NS	<1	5.27
	28-Sep-16	47.90	40.93	6.97	NS	NS	NS	NS	NS	NS	**3.9**	NS	NS	4.72
	27-Oct-16	47.90	41.00	6.90	<10	<10	<10	<20	<20	<10	**4.5**	NS	<10	3.46
	17-Nov-16	47.90	41.14	6.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.32

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-44	5-Jun-12	46.66	38.80	7.86	<1	<1	<1	<2	<2	<1	**0.46**	NS	<1	NS
	5-Sep-12	46.66	36.77	9.89	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	46.66	36.79	9.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	4-Mar-13	47.46	37.26	10.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	3-Jun-13	47.20	36.90	10.30	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	47.20	40.20	7.00	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-Apr-14	47.20	39.74	7.46	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Jul-14	47.20	36.77	10.43	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Oct-14	47.20	38.35	8.85	<1	<1	<1	<2	<2	<1	**0.11**	NS	<1	NS
	23-Jan-15	47.20	36.79	10.41	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	24-Apr-15	47.20	37.56	9.64	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	47.20	37.32	9.88	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	21-Oct-15	47.20	38.42	8.78	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	7-Jan-16	47.20	38.60	8.60	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Apr-16	47.20	38.67	8.53	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	28-Jul-16	47.20	38.03	9.17	<1	<1	<1	<2	<2	<1	**0.15**	NS	<1	NS
	27-Oct-16	47.20	39.09	8.11	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-45	5-Jun-12	40.91	33.67	7.24	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	5-Sep-12	40.91	31.59	9.32	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	4-Dec-12	40.91	31.60	9.31	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	3-Jun-13	40.91	31.11	9.80	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jan-14	40.91	34.76	6.15	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.8**	NS
	28-Apr-14	40.91	34.22	6.69	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	29-Jul-14	40.70	30.79	9.91	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	15-Aug-14	40.70	31.56	9.14	<1	<1	<1	<2	<2	<1	**0.24**	<0.1	<1	<1.4
	19-Sep-14	40.70	31.41	9.29	<1	<1	<1	<2	<2	<1	**1.8**	<0.1	<1	<1.4
	19-Nov-14	40.70	31.47	9.23	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	23-Jan-15	40.70	30.66	10.04	<1	<1	<1	<2	<2	<1	**0.21**	<0.1	<1	NS
	23-Apr-15	40.70	31.81	8.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	40.70	31.61	9.09	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	7-Jan-16	40.70	32.38	8.32	<1	<1	<1	<2	<2	<1	**3.2**	NS	<1	NS
	23-Feb-16	40.70	33.51	7.19	NS	NS	NS	NS	NS	NS	**3.1**	NS	NS	NS
	22-Apr-16	40.70	32.95	7.75	<1	<1	<1	<2	<2	<1	**5.9**	NS	<1	15.7
	25-May-16	40.70	31.68	9.02	NS	NS	NS	NS	NS	NS	**8.2**	NS	NS	35.5
	27-Jul-16	40.70	32.19	8.51	<10	<10	<10	<20	<20	<10	**9.3**	NS	<10	NS
	28-Sep-16	40.70	33.26	7.44	NS	NS	NS	NS	NS	NS	**3.8**	NS	NS	8.12
	27-Oct-16	40.70	33.27	7.43	<10	<10	<10	<20	<20	<10	**5.4**	NS	<10	7.84

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-46	6-Jun-12	41.08	34.67	6.41	<1	<1	1.5	6.9	8.4	<1	**130**	NS	**28**	NS
	6-Sep-12	41.08	31.78	9.30	<1	<1	1.5	12	13.5	<1	**9.4**	NS	**28**	NS
	4-Dec-12	41.08	31.42	9.66	<1	<1	<1	2.3	2.3	<1	**170**	<0.1	**6.5**	NS
	4-Mar-13	41.08	31.53	9.55	<1	<1	<1	3.6	3.6	<1	**100**	<0.1	**6.5**	NS
	4-Jun-13	41.08	31.30	9.78	<1	<1	<1	1.8	1.8e	<1	**14**	<0.1	**3.4**	NS
	30-Jan-14	41.08	36.20	4.88	<1	<1	<1	1.3	<2	<1	**1.5**	NS	**3.3**	NS
	28-Apr-14	41.08	35.58	5.50	<1	<1	1.0	4.6	5.6	<1	**1.1**	NS	**7.2**	NS
	29-Jul-14	40.89	31.04	9.85	<1	<1	<1	1.7	<2	<1	**5.6**	<0.1	**9.0**	<1.4
	15-Aug-14	40.89	32.14	8.75	<1	<1	<1	3.5	3.5	<1	**29**	**0.13**	**16**	<1.4
	19-Sep-14	40.89	32.41	8.48	<1	<1	<1	5.2	5.2	<1	**36**	**0.14**	**21**	<1.4
	19-Nov-14	40.89	32.56	8.33	<1	<1	<1	<2	<2	<1	**28**	**0.2**	**34**	<1.4
	23-Jan-15	40.89	32.23	8.66	<1	<1	<1	4.2	4.2	<1	**18**	**0.27**	**17**	NS
	24-Apr-15	40.89	33.40	7.49	<1	<1	1.2	5.0	6.0	<1	**37**	**0.22**	**24**	NS
	30-Jul-15	40.89	32.82	8.07	<1	<1	1.2	2.1	2.1	<1	**15**	**0.16**	**31**	NS
	7-Jan-16	40.89	34.08	6.81	<1	<1	<1	4.9	4.9	<1	**1.6**	NS	**13**	NS
	23-Feb-16	40.89	35.34	5.55	NS	NS	NS	NS	NS	NS	**1.4**	NS	NS	NS
	22-Apr-16	40.89	34.30	6.59	<1	<1	<1	1.5	1.5	<1	**5.7**	NS	**3.7**	23.4
	22-Jun-16	40.89	33.60	7.29	NS	NS	NS	NS	NS	NS	**0.84**	NS	NS	6.64
	27-Jul-16	40.89	33.45	7.44	<1	<1	<1	4.9	4.9	<1	**6.2**	NS	**18**	4.91
	24-Aug-16	40.89	34.39	6.50	NS	NS	NS	NS	NS	NS	**8.8**	NS	NS	<3.5
	27-Oct-16	40.89	34.42	6.47	<1	<1	<1	5.3	5.3	<1	**4.9**	NS	**30**	NS

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Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-47	6-Jun-12	40.74	34.59	6.15	<1	<1	<1	2.2	2.2	<1	**99**	NS	**8.5**	NS
	4-Dec-12	40.74	31.42	9.32	<1	<1	<1	<2	<2	<1	**180**	**0.11**	**1.7**	NS
	4-Mar-13	40.74	31.17	9.57	1.9	<1	17	78.3	97.2	<1	**6500**	**14**	**180**	NS
	29-Jul-14	40.74	30.92	9.82	2.3	<1	11	23.3	36.6	<1	**530**	**1.2**	**110**	<1.4
	15-Aug-14	40.74	31.95	8.79	3.7	<1	7.2	15.4	26.3	<1	**260**	**0.43**	**74**	<1.4
	19-Sep-14	40.74	33.10	7.64	3.6	<1	8.3	19.4	31.3	<1	**210**	**0.39**	**76**	<1.4
	19-Nov-14	40.74	32.21	8.53	**6.5**	<1	14	<2	20.5	<1	**260**	**2.4**	**160**	<1.4
	23-Jan-15	40.74	32.55	8.19	<5	<5	14	28	42.0	<5	**98**	**15**	**130**	NS
	24-Apr-15	40.74	33.51	7.23	4.2	<1	2.8	5.0	12.0	<1	**21**	**0.22**	**29**	NS
	30-Jul-15	40.74	33.04	7.70	3.1	<1	5.9	15.5	24.5	<1	**220**	**0.87**	**86**	NS
	21-Sep-15	40.74	34.18	6.56	NS	NS	NS	NS	NS	NS	**1.8**	NS	NS	NS
	5-Oct-15	40.74	34.27	6.47	NS	NS	NS	NS	NS	NS	**1.3**	NS	NS	NS
	19-Oct-15	40.74	34.42	6.32	<5	<5	5.6	13.0	18.6	<5	**0.92**	NS	**53**	NS
	5-Jan-16	40.74	34.06	6.68	<1	<1	<1	2.2	2.2	<1	**1.9**	NS	**8.8**	NS
	23-Feb-16	40.74	35.02	5.72	NS	NS	NS	NS	NS	NS	**1.4**	NS	NS	NS
	22-Apr-16	40.74	34.18	6.56	3.5	<1	2.4	2.4	7.9	<1	**7.2**	NS	**6.9**	9.19
	25-May-16	40.74	32.22	8.52	NS	NS	NS	NS	NS	NS	**9.7**	NS	NS	5.08
	28-Jul-16	40.74	33.58	7.16	**8.7**	<1	8.0	8.4	25.1	<1	**12**	NS	**30**	<3.5
	27-Oct-16	40.74	34.61	6.13	**6.7**	<1	10	9.5	26.2	<1	**5.6**	NS	**30**	NS

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Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-48	8-Apr-13	36.22	27.26	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	36.22	27.20	9.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	3-Jun-13	36.22	27.13	9.09	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	17-Jun-13	36.22	28.02	8.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	36.22	29.53	6.69	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	21-Aug-13	36.22	29.77	6.45	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	36.22	30.00	6.22	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	36.22	29.71	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	36.22	29.68	6.54	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	36.22	29.90	6.32	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	36.22	30.15	6.07	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	36.22	29.91	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	36.22	29.75	6.47	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	36.22	29.34	6.88	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	36.22	29.07	7.15	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	36.22	28.46	7.76	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-14	36.22	26.87	9.35	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	36.22	27.48	8.74	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	36.22	27.11	9.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	36.22	27.76	8.46	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	36.22	27.89	8.33	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	25-Mar-15	36.22	27.51	8.71	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1	NS
	24-Apr-15	36.22	28.62	7.60	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	36.22	27.28	8.94	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	36.22	27.07	9.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	36.22	27.15	9.07	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	36.22	26.80	9.42	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	36.22	27.95	8.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	36.22	28.31	7.91	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	36.22	28.38	7.84	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	36.22	28.45	7.77	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	36.22	28.24	7.98	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Apr-16	36.22	28.02	8.20	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	36.22	27.50	8.72	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Jun-16	36.22	27.59	8.63	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-48	27-Jul-16	36.22	27.98	8.24	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	36.22	28.39	7.83	NS	NS	NS	NS	NS	NS	**0.15**	NS	NS	NS
	28-Sep-16	36.22	28.56	7.66	NS	NS	NS	NS	NS	NS	**0.14**	NS	NS	NS
	27-Oct-16	36.22	28.59	7.63	<1	<1	<1	<2	<2	<1	NS	NS	<1	NS
	17-Nov-16	36.22	28.69	7.53	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-49	8-Apr-13	35.49	26.80	8.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	35.49	26.75	8.74	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	3-Jun-13	35.49	26.68	8.81	<1	<1	<1	<2	<2	<1	**0.32**	<0.1	<1	NS
	17-Jun-13	35.49	27.37	8.12	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	35.49	28.72	6.77	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS
	21-Aug-13	35.49	28.98	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	35.49	29.22	6.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	35.49	28.97	6.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	35.49	28.95	6.54	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	35.49	29.15	6.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	35.49	29.48	6.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	35.49	29.20	6.29	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	35.49	28.97	6.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	35.49	28.56	6.93	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	35.49	28.29	7.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	35.49	26.92	8.57	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-14	35.49	27.40	8.09	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.49	26.90	8.59	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.49	26.53	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	20-Nov-14	35.49	27.22	8.27	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	35.49	27.22	8.27	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Jan-15	35.49	26.19	9.30	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	26-Mar-15	35.49	26.82	8.67	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	24-Apr-15	35.49	26.92	8.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	35.49	26.60	8.89	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	35.49	26.40	9.09	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	35.49	26.49	9.00	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	35.49	26.23	9.26	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	35.49	27.24	8.25	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	35.49	27.57	7.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	35.49	27.65	7.84	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	35.49	27.75	7.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Feb-16	35.49	27.86	7.63	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	35.49	27.48	8.01	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Apr-16	35.49	27.27	8.22	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	35.49	26.88	8.61	NS	NS	NS	NS	NS	NS	**0.10**	NS	NS	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-49	22-Jun-16	35.49	26.90	8.59	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	35.49	26.89	8.60	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	35.49	27.61	7.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	35.49	27.81	7.68	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	35.49	27.82	7.67	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1	NS
	17-Nov-16	35.49	27.93	7.56	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

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MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-50	8-Apr-13	35.64	26.86	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	6-May-13	35.64	26.81	8.83	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	3-Jun-13	35.64	26.74	8.90	<1	<1	<1	<2	<2	<1	**0.35**	<0.1	<1	NS
	17-Jun-13	35.64	27.57	8.07	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-13	35.64	29.07	6.57	NS	NS	NS	NS	NS	NS	**0.14**	NS	NS	NS
	21-Aug-13	35.64	29.33	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Sep-13	35.64	29.55	6.09	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	21-Oct-13	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Nov-13	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	18-Dec-13	35.64	29.43	6.21	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	30-Jan-14	35.64	29.70	5.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Feb-14	35.64	29.43	6.21	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Mar-14	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Apr-14	35.64	28.87	6.77	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	20-May-14	35.64	28.59	7.05	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jun-14	35.64	27.04	8.60	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	24-Jul-14	35.64	26.51	9.13	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	14-Aug-14	35.64	27.07	8.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	19-Sep-14	35.64	26.69	8.95	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	24-Oct-14	35.64	27.62	8.02	<1	<1	<1	<2	<2	<1	**0.58**	<0.1	<1	<1.4
	21-Nov-14	35.64	27.39	8.25	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	<1.4
	17-Dec-14	35.64	27.46	8.18	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jan-15	35.64	26.16	9.48	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	18-Feb-15	35.64	27.26	8.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	25-Mar-15	35.64	27.08	8.56	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1	NS
	24-Apr-15	35.64	26.90	8.74	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	28-May-15	35.64	26.85	8.79	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	23-Jun-15	35.64	26.66	8.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	30-Jul-15	35.64	26.71	8.93	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	20-Aug-15	35.64	26.39	9.25	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1	NS
	22-Sep-15	35.64	27.50	8.14	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	20-Oct-15	35.64	27.84	7.80	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	19-Nov-15	35.64	27.92	7.72	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Dec-15	35.64	27.98	7.66	NS	NS	NS	NS	NS	NS	**0.16**	NS	NS	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-50	5-Jan-16	35.64	27.67	7.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	22-Feb-16	35.64	28.16	7.48	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	16-Mar-16	35.64	27.76	7.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	22-Apr-16	35.64	27.54	8.10	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-May-16	35.64	27.06	8.58	NS	NS	NS	NS	NS	NS	**0.12**	NS	NS	NS
	22-Jun-16	35.64	27.07	8.57	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Jul-16	35.64	27.14	8.50	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	24-Aug-16	35.64	27.93	7.71	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	35.64	28.09	7.55	NS	NS	NS	NS	NS	NS	**0.19**	NS	NS	NS
	26-Oct-16	35.64	28.10	7.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	17-Nov-16	35.64	28.22	7.42	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-51	28-Jul-16	60.55	50.05	10.50	<1	<1	<1	<2	<2	<1	**3.0**	NS	<1	<1.4
	24-Aug-16	60.55	50.95	9.60	NS	NS	NS	NS	NS	NS	**6.9**	NS	NS	NS
	28-Sep-16	60.55	50.81	9.74	NS	NS	NS	NS	NS	NS	**1.9**	NS	NS	NS
	27-Oct-16	60.55	51.00	9.55	<1	<1	<1	<2	<2	<1	**2.4**	NS	<1	NS
	17-Nov-16	60.55	51.19	9.36	NS	NS	NS	NS	NS	NS	**1.2**	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-52	28-Jul-16	47.25	39.05	8.20	<1	<1	<1	<2	<2	<1	**1.5**	NS	**4.7**	<1.4
	24-Aug-16	47.25	40.43	6.82	NS	NS	NS	NS	NS	NS	**1.2**	NS	NS	NS
	28-Sep-16	47.25	39.93	7.32	NS	NS	NS	NS	NS	NS	**0.19**	NS	NS	NS
	27-Oct-16	47.25	40.40	6.85	<1	<1	<1	<2	<2	<1	**0.25**	NS	**3.3**	NS
	17-Nov-16	47.25	40.57	6.68	NS	NS	NS	NS	NS	NS	**0.15**	NS	NS	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-53	28-Jul-16	47.69	40.13	7.56	<1	<1	1.9	<2.0	1.9	<1	**4.1**	NS	**21**	<1.4
	24-Aug-16	47.69	41.47	6.22	NS	NS	NS	NS	NS	NS	**4.6**	NS	NS	NS
	28-Sep-16	47.69	41.27	6.42	NS	NS	NS	NS	NS	NS	**1.4**	NS	NS	NS
	27-Oct-16	47.69	41.19	6.50	<1	<1	9.8	6.4	16.2	<1	**1.6**	NS	**87**	NS
	17-Nov-16	47.69	41.25	6.44	NS	NS	NS	NS	NS	NS	**0.92**	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-54	28-Jul-16	42.99	36.13	6.86	<1	<1	9.1	5.9	15	<1	**6.1**	NS	**42**	<1.4
	24-Aug-16	42.99	37.43	5.56	NS	NS	NS	NS	NS	NS	**5.2**	NS	NS	NS
	28-Sep-16	42.99	36.97	6.02	NS	NS	NS	NS	NS	NS	**6.0**	NS	NS	NS
	27-Oct-16	42.99	37.30	5.69	<1	<1	4.5	8.9	13.4	<1	**2.0**	NS	**15**	NS
	17-Nov-16	42.99	37.35	5.64	NS	NS	NS	NS	NS	NS	**1.5**	NS	NS	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-55	28-Jul-16	42.78	35.80	6.98	<1	<1	<1	<2	<2	<1	**0.46**	NS	**1.9**	<1.4
	24-Aug-16	42.78	35.88	6.90	NS	NS	NS	NS	NS	NS	**0.16**	NS	NS	NS
	28-Sep-16	42.78	35.85	6.93	NS	NS	NS	NS	NS	NS	**0.31**	NS	NS	NS
	27-Oct-16	42.78	35.88	6.90	<1	<1	<1	2.5	2.5	<1	**0.29**	NS	**4.3**	NS
	17-Nov-16	42.78	34.99	7.79	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
MW-56	27-Jul-16	37.82	30.22	7.60	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	<1.4
	24-Aug-16	37.82	31.15	6.67	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	28-Sep-16	37.82	31.26	6.56	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS
	27-Oct-16	37.82	31.31	6.51	<1	<1	<1	<2	<2	<1	**0.14**	NS	<1	NS
	17-Nov-16	37.82	31.43	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
S-01	26-Oct-16	34.90	27.93	6.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
S-02	26-Oct-16	35.01	27.87	7.14	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
S-03	26-Oct-16	35.09	27.73	7.36	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
RW-2D	4-Mar-13	40.54	30.95	9.59	<1	<1	<1	<2	<2	<1	**100**	<0.1	<1	NS
	4-Jun-13	40.54	30.72	9.82	<1	<1	<1	<2	<2	<1	**23**	<0.1	<1	NS
	30-Jan-14	40.54	43.23	-2.69	<1	<1	<1	<2	<2	<1	**17**	NS	<1	NS
	28-Apr-14	40.54	43.70	-3.16	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	25-Jul-14	40.54	29.66	10.88	<1	<1	<1	<2	<2	<1	**0.33**	NS	**1.2**	NS
	24-Oct-14	40.54	31.57	8.97	<1	<1	<1	<2	<2	<1	**0.18**	NS	**3.6**	NS
	23-Jan-15	40.54	40.58	-0.04	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	**2.8**	NS
	24-Apr-15	40.54	40.90	-0.36	<1	<1	<1	<2	<2	<1	**0.20**	<0.1	**2.1**	NS
	30-Jul-15	40.54	40.41	0.13	<1	<1	<1	<2	<2	<1	<0.1	<0.1	**2.2**	NS
	21-Oct-15	40.54	40.82	-0.28	<1	<1	<1	<2	<2	<1	**0.20**	NS	**2.4**	NS
	7-Jan-16	40.54	40.75	-0.21	<1	<1	<1	<2	<2	<1	**0.11**	NS	**2.6**	NS
	21-Apr-16	40.54	40.91	-0.37	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.6**	NS
	28-Jul-16	40.54	44.80	-4.26	<1	<1	<1	<2	<2	<1	**0.14**	NS	**2.8**	NS
	27-Oct-16	40.54	41.28	-0.74	<1	<1	<1	<2	<2	<1	**0.11**	NS	**1.8**	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
RW-3B	5-Sep-12	39.45	30.15	9.30	<1	<1	<1	<2	<2	<1	**280**	NS	**4.1**	NS
	5-Dec-12	39.45	31.14	8.31	<1	<1	9.7	29.6	39.3	<1	**3000**	**0.66**	**120**	NS
	4-Mar-13	39.45	29.94	9.53	<1	<1	7.6	26.9	34.5	<1	**1100**	**24**	**110**	NS
	30-Jan-14	39.45	40.72	-1.24	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1	NS
	28-Apr-14	39.45	40.92	-1.45	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	25-Jul-14	39.45	29.49	9.96	<1	<1	<1	<2	<2	<1	**0.22**	NS	<1	NS
	24-Oct-14	39.45	42.19	-2.74	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	23-Jan-15	39.45	40.75	-1.30	<1	<1	<1	<2	<2	<1	**0.18**	<0.1	**1.8**	NS
	24-Apr-15	39.45	40.98	-1.53	<1	<1	<1	<2	<2	<1	**0.17**	<0.1	<1	NS
	30-Jul-15	39.45	41.02	-1.57	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1	NS
	21-Oct-15	39.45	40.12	-0.67	<1	<1	<1	<2	<2	<1	**0.15**	NS	**1.2**	NS
	7-Jan-16	39.45	40.52	-1.07	<1	<1	<1	<2	<2	<1	**0.14**	NS	**1.1**	NS
	21-Apr-16	39.45	47.01	-7.56	<1	<1	<1	<2	<2	<1	**0.19**	NS	<1	NS
	28-Jul-16	39.45	40.58	-1.13	<1	<1	<1	<2	<2	<1	**0.23**	NS	<1	NS
	27-Oct-16	39.45	41.49	-2.04	<1	<1	<1	<2	<2	<1	**0.16**	NS	<1	NS

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
RW-4	5-Sep-12	45.69	35.65	10.04	<1	<1	<1	<2	<2	<1	**4.7**	NS	<1	NS
	5-Dec-12	45.69	35.68	10.01	<1	<1	<1	2	2	<1	**3.5**	<0.1	**35**	NS
	4-Mar-13	48.18	38.02	10.16	<1	<1	<1	<2	<2	<1	**1.7**	<0.1	<1	NS
	4-Jun-13	48.18	37.77	10.41	<1	<1	<1	<2	<2	<1	**0.54**	<0.1	<1	NS
	30-Jan-14	48.18	44.90	3.28	<1	<1	<1	<2	<2	<1	**0.14**	NS	**1.1**	NS
	28-Apr-14	NS	NS	NS	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	25-Jul-14	48.15	38.82	9.33	<1	<1	<1	<2	<2	<1	**0.16**	NS	**1.0**	NS
	24-Oct-14	48.15	42.65	5.50	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.6**	NS
	23-Jan-15	48.15	41.08	7.07	<1	<1	<1	<2	<2	<1	**0.16**	<0.1	**1.7**	NS
	24-Apr-15	48.15	41.79	6.36	<1	<1	<1	<2	<2	<1	**0.16**	<0.1	**1.2**	NS
	30-Jul-15	48.15	41.25	6.90	<1	<1	<1	<2	<2	<1	<0.1	<0.1	**1.9**	NS
	21-Oct-15	48.15	43.33	4.82	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.9**	NS
	7-Jan-16	48.15	47.62	0.53	<1	<1	<1	<2	<2	<1	**0.14**	NS	**1.4**	NS
	21-Apr-16	48.15	47.44	0.71	<1	<1	<1	<2	<2	<1	**0.18**	NS	**1.3**	NS
	28-Jul-16	48.15	44.85	3.30	<1	<1	<1	<2	<2	<1	**0.38**	NS	**1.5**	NS
	27-Oct-16	48.15	46.75	1.40	<1	<1	<1	<2	<2	<1	**0.26**	NS	**1.2**	NS

NS - Not Sampled

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
RW-5	5-Sep-12	43.34	33.50	9.84	<1	<1	<1	<2	<2	<1	**26**	NS	<1	NS
	5-Dec-12	43.34	33.52	9.82	<1	<1	<1	<2	<2	<1	**52a**	1.5	**1.6**	NS
	4-Mar-13	43.34	33.30	10.04	<1	<1	<1	<2	<2	<1	**9.9**	<0.1	<1	NS
	4-Jun-13	43.34	33.05	10.29	<1	<1	<1	<2	<2	<1	**40**	<0.1	<1	NS
	30-Jan-14	43.34	41.75	1.59	<1	<1	<1	<2	<2	<1	**0.17**	NS	**1**	NS
	28-Apr-14	43.34	42.33	1.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1	NS
	25-Jul-14	43.34	33.97	9.37	<1	<1	<1	<2	<2	<1	**0.30**	NS	<1	NS
	24-Oct-14	43.34	41.22	2.12	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	23-Jan-15	43.34	39.81	3.53	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	**1.1**	NS
	24-Apr-15	43.34	38.91	4.43	<1	<1	<1	<2	<2	<1	**0.20**	<0.1	<1	NS
	30-Jul-15	43.34	39.91	3.43	<1	<1	<1	<2	<2	<1	**0.18**	<0.1	<1	NS
	21-Oct-15	43.34	41.21	2.13	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1	NS
	7-Jan-16	43.34	40.79	2.55	<1	<1	<1	<2	<2	<1	**0.11**	NS	<1	NS
	21-Apr-16	43.34	42.43	0.91	<1	<1	<1	<2	<2	<1	**0.21**	NS	<1	NS
	28-Jul-16	43.34	42.41	0.93	<1	<1	<1	<2	<2	<1	**0.24**	NS	<1	NS
	27-Oct-16	43.34	42.92	0.42	<1	<1	<1	<2	<2	<1	**0.23**	NS	<1	NS

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
100 Brown Street
Chestertown, MD 21620

Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**0.65**	**NA**
RW-6	5-Jun-12	47.22	47.48	-0.26	<1	<1	2.4	4.1	6.5	<1	**16**	NS	**33**	NS
	5-Sep-12	47.22	36.95	10.27	<1	<1	<1	<2	<2	<1	**22**	NS	<1	NS
	5-Dec-12	47.22	37.01	10.21	<1	<1	<1	<2	<2	<1	**1.4**	<0.1	<1	NS
	4-Mar-13	47.22	36.81	10.41	<1	<1	<1	<2	<2	<1	**0.53**	<0.1	**1.1**	NS
	4-Jun-13	47.22	36.55	10.67	<1	<1	<1	<2	<2	<1	**0.65**	<0.1	<1	NS
	28-Apr-14	47.22	46.78	0.44	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.3**	NS
	25-Jul-14	47.22	36.57	10.65	<1	<1	<1	<2	<2	<1	**0.19**	NS	**1.1**	NS
	24-Oct-14	47.22	44.67	2.55	<1	<1	<1	<2	<2	<1	<0.1	NS	**3.3**	NS
	23-Jan-15	47.22	43.02	4.20	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	**2.0**	NS
	24-Apr-15	47.22	43.35	3.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	**1.1**	NS
	30-Jul-15	47.22	42.20	5.02	<1	<1	<1	<2	<2	<1	**0.12**	<0.1	**1.4**	NS
	21-Oct-15	47.22	43.08	4.14	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.7**	NS
	7-Jan-16	47.22	43.63	3.59	<1	<1	<1	<2	<2	<1	**0.12**	NS	**1.7**	NS
	21-Apr-16	47.22	41.54	5.68	<1	<1	<1	<2	<2	<1	<0.1	NS	**1.1**	NS
	28-Jul-16	47.22	39.74	7.48	<1	<1	<1	<2	<2	<1	**0.14**	NS	**1.2**	NS
	27-Oct-16	47.22	45.29	1.93	<1	<1	<1	<2	<2	<1	**0.20**	NS	**1.2**	NS

NS - Not Sampled

FIGURES

FIGURE 1

Water Table Contour Map

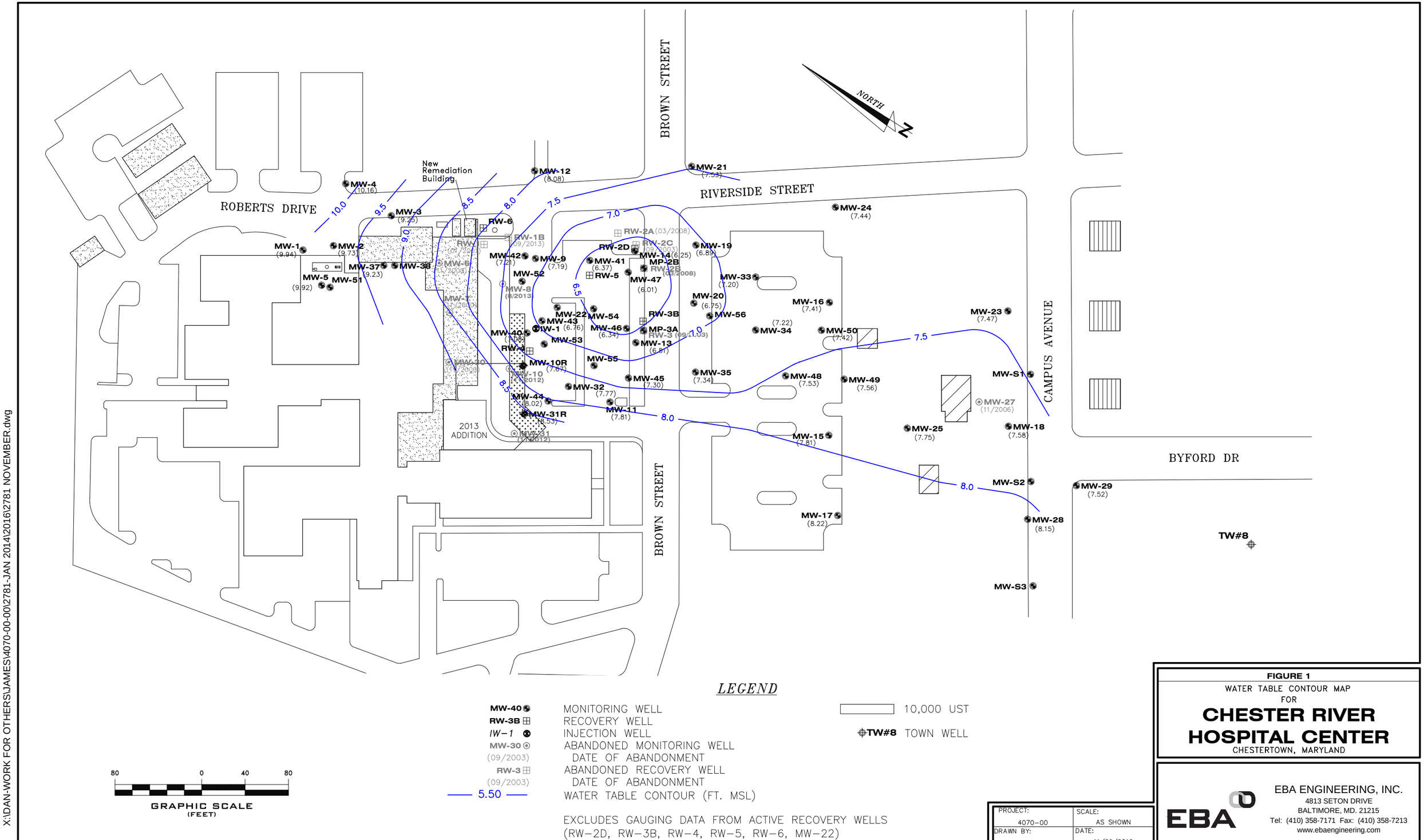


Figure 1 – Water table contour map November 16,17 2016 – Chester River Hospital Center, Chestertown, Maryland.

FIGURE 2

Water Quality Map of TPH-DRO

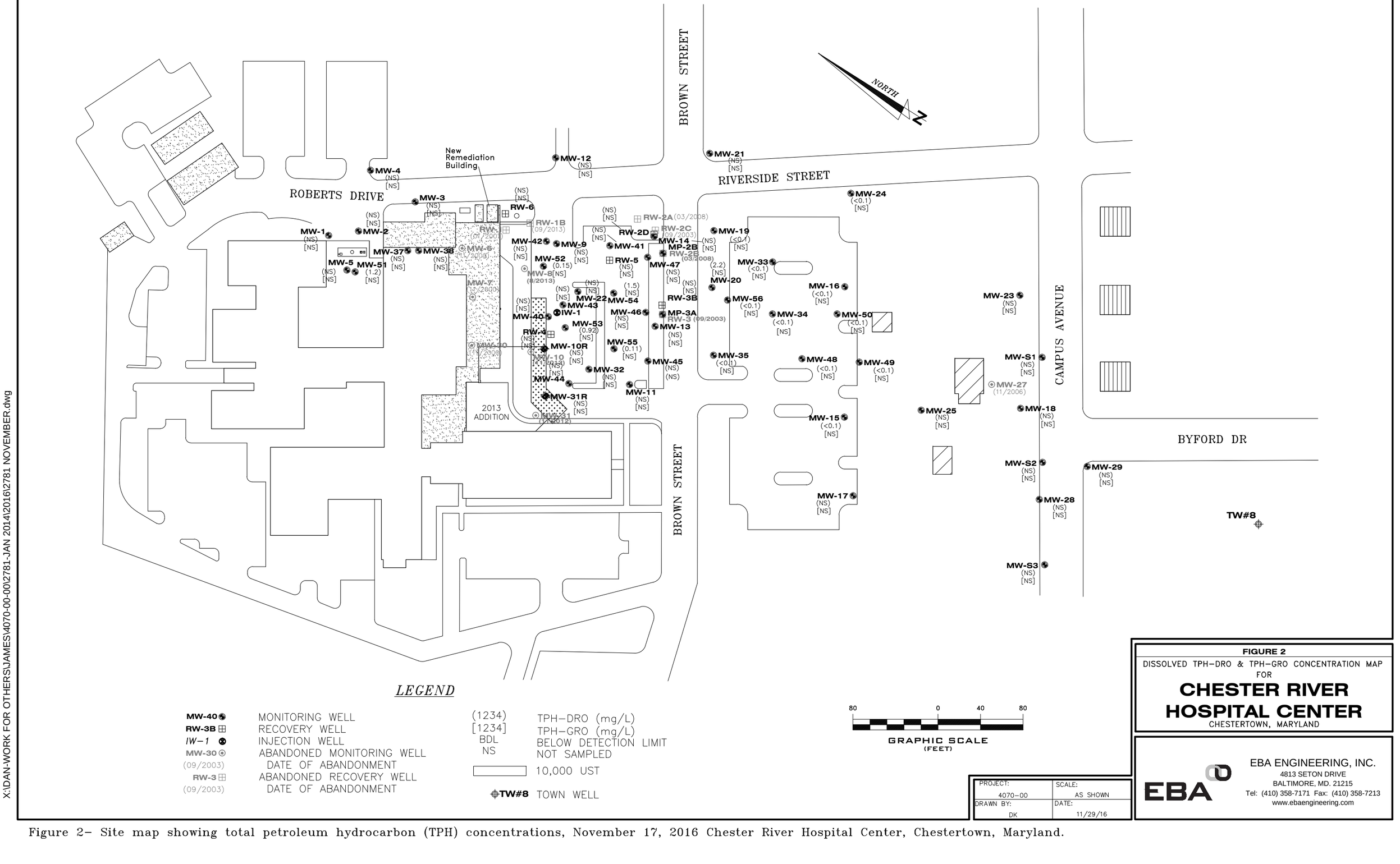


Figure 2- Site map showing total petroleum hydrocarbon (TPH) concentrations, November 17, 2016 Chester River Hospital Center, Chestertown, Maryland.

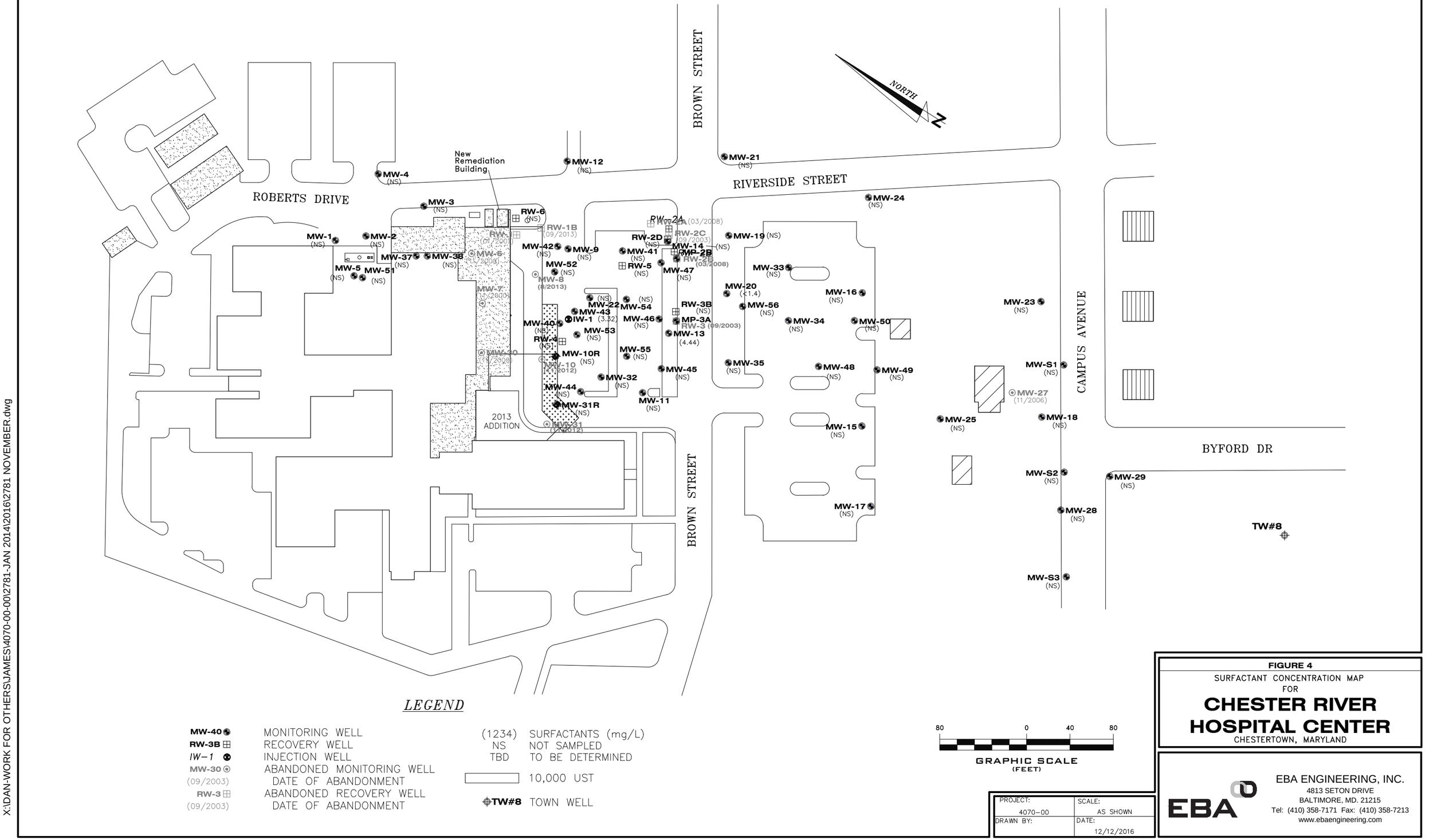
FIGURE 3

Water Quality Map of BTEX and Naphthalene

(Not Used)

FIGURE 4

Water Quality Map of Surfactants



LEGEND

MW-40	MONITORING WELL	(1234)	SURFACTANTS (mg/L)
RW-3B	RECOVERY WELL	NS	NOT SAMPLED
IW-1	INJECTION WELL	TBD	TO BE DETERMINED
MW-30	ABANDONED MONITORING WELL		10,000 UST
(09/2003)	DATE OF ABANDONMENT		
RW-3	ABANDONED RECOVERY WELL	TW#8	TOWN WELL
(09/2003)	DATE OF ABANDONMENT		

80 0 40 80

GRAPHIC SCALE (FEET)

FIGURE 4

SURFACTANT CONCENTRATION MAP FOR

CHESTER RIVER HOSPITAL CENTER

CHESTERTOWN, MARYLAND

PROJECT:	SCALE:
4070-00	AS SHOWN
DRAWN BY:	DATE:
	12/12/2016

EBA ENGINEERING, INC.
4813 SETON DRIVE
BALTIMORE, MD. 21215
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Figure 4– Site map showing surfactant concentrations, November 17, 2016 Chester River Hospital Center, Chestertown, Maryland.

APPENDIX A

LABORATORY RESULTS

Analytical Report for

UMM Shore Regional Health Chestertown

Certificate of Analysis No.: 16111712

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

November 28, 2016

Phase Separation Science, Inc.

6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

November 28, 2016

Ken Hannon
UMM Shore Regional Health Chestertown
100 Brown Street
Chestertown, MD 21620

Reference: PSS Work Order(s) No: **16111712**
Project Name: CRHC
Project Location: Chestertown, MD

Dear Ken Hannon :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **16111712**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on December 22, 2016, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: UMM Shore Regional Health Chestertown

Project Name: CRHC

Work Order Number(s): 16111712

The following samples were received under chain of custody by Phase Separation Science (PSS) on 11/17/2016 at 04:10 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
16111712-001	MW-15	GROUND WATER	11/17/16 10:00
16111712-002	MW-16	GROUND WATER	11/17/16 10:10
16111712-003	MW-19	GROUND WATER	11/17/16 10:20
16111712-004	MW-20	GROUND WATER	11/17/16 10:30
16111712-005	MW-24	GROUND WATER	11/17/16 10:40
16111712-006	MW-33	GROUND WATER	11/17/16 10:50
16111712-007	MW-34	GROUND WATER	11/17/16 10:55
16111712-008	MW-35	GROUND WATER	11/17/16 11:00
16111712-009	MW-48	GROUND WATER	11/17/16 11:05
16111712-010	MW-49	GROUND WATER	11/17/16 11:10
16111712-011	MW-50	GROUND WATER	11/17/16 11:15
16111712-012	MW-51	GROUND WATER	11/17/16 11:20
16111712-013	MW-52	GROUND WATER	11/17/16 11:25
16111712-014	MW-53	GROUND WATER	11/17/16 11:30
16111712-015	MW-54	GROUND WATER	11/17/16 11:35
16111712-016	MW-55	GROUND WATER	11/17/16 11:40
16111712-017	MW-56	GROUND WATER	11/17/16 11:45
16111712-018	SYS EFF	GROUND WATER	11/17/16 11:50

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

Sample Summary

Client Name: UMM Shore Regional Health Chestertown

Project Name: CRHC

Work Order Number(s): 16111712

Standard Flags/Abbreviations:

B	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results Pending Final Confirmation.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
U	Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBE MWAA LD1997-0041-2015

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC

Project Location: Chestertown, MD

Sample ID: MW-15 **Date/Time Sampled: 11/17/2016 10:00** **PSS Sample ID: 16111712-001**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.12		1	11/19/16	11/21/16 11:26	1060

Sample ID: MW-16 **Date/Time Sampled: 11/17/2016 10:10** **PSS Sample ID: 16111712-002**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/19/16	11/21/16 11:52	1060

Sample ID: MW-19 **Date/Time Sampled: 11/17/2016 10:20** **PSS Sample ID: 16111712-003**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/19/16	11/21/16 12:18	1060

Sample ID: MW-20 **Date/Time Sampled: 11/17/2016 10:30** **PSS Sample ID: 16111712-004**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**2.2**	mg/L	0.12		1	11/19/16	11/21/16 12:44	1060

Sample ID: MW-24 **Date/Time Sampled: 11/17/2016 10:40** **PSS Sample ID: 16111712-005**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.12		1	11/19/16	11/21/16 12:44	1060

Sample ID: MW-33 **Date/Time Sampled: 11/17/2016 10:50** **PSS Sample ID: 16111712-006**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:02	1055

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
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800-932-9047
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CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC

Project Location: Chestertown, MD

Sample ID: MW-34 **Date/Time Sampled: 11/17/2016 10:55** **PSS Sample ID: 16111712-007**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:02	1055

Sample ID: MW-35 **Date/Time Sampled: 11/17/2016 11:00** **PSS Sample ID: 16111712-008**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:28	1055

Sample ID: MW-48 **Date/Time Sampled: 11/17/2016 11:05** **PSS Sample ID: 16111712-009**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:28	1055

Sample ID: MW-49 **Date/Time Sampled: 11/17/2016 11:10** **PSS Sample ID: 16111712-010**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:54	1060

Sample ID: MW-50 **Date/Time Sampled: 11/17/2016 11:15** **PSS Sample ID: 16111712-011**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 15:54	1060

Sample ID: MW-51 **Date/Time Sampled: 11/17/2016 11:20** **PSS Sample ID: 16111712-012**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**1.2**	mg/L	0.11		1	11/22/16	11/22/16 16:20	1055

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CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC

Project Location: Chestertown, MD

Sample ID: MW-52 **Date/Time Sampled: 11/17/2016 11:25** **PSS Sample ID: 16111712-013**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.15**	mg/L	0.11		1	11/22/16	11/22/16 16:20	1060

Sample ID: MW-53 **Date/Time Sampled: 11/17/2016 11:30** **PSS Sample ID: 16111712-014**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.92**	mg/L	0.11		1	11/22/16	11/22/16 16:45	1060

Sample ID: MW-54 **Date/Time Sampled: 11/17/2016 11:35** **PSS Sample ID: 16111712-015**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**1.5**	mg/L	0.11		1	11/22/16	11/22/16 16:45	1060

Sample ID: MW-55 **Date/Time Sampled: 11/17/2016 11:40** **PSS Sample ID: 16111712-016**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.11**	mg/L	0.11		1	11/22/16	11/22/16 17:25	1055

Sample ID: MW-56 **Date/Time Sampled: 11/17/2016 11:45** **PSS Sample ID: 16111712-017**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	11/22/16	11/22/16 17:25	1055

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ROUTE 40 WEST
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC

Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 11/17/2016 11:50** **PSS Sample ID: 16111712-018**

Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

Total Petroleum Hydrocarbons - DRO — Analytical Method: SW-846 8015 C — Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.11		1	11/22/16	11/22/16 17:51	1060

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	11/21/16	11/21/16 12:10	1035

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
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CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 11/17/2016 11:50** **PSS Sample ID: 16111712-018**
Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

TCL Volatiles plus Oxygenates | Analytical Method: SW-846 8260 B | Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acetone	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
tert-Amyl alcohol	ND	ug/L	20		1	11/22/16	11/22/16 11:26	1011
tert-Amyl methyl ether	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Benzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Bromochloromethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Bromodichloromethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Bromoform	ND	ug/L	5.0		1	11/22/16	11/22/16 11:26	1011
Bromomethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
tert-Butyl alcohol	ND	ug/L	20		1	11/22/16	11/22/16 11:26	1011
2-Butanone (MEK)	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Carbon Disulfide	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Chlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Chloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Chloroform	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Chloromethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Cyclohexane	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Dibromochloromethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 16111712

UMM Shore Regional Health Chestertown, Chestertown, MD

November 28, 2016

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 11/17/2016 11:50** **PSS Sample ID: 16111712-018**
Matrix: GROUND WATER **Date/Time Received: 11/17/2016 16:10**

TCL Volatiles plus Oxygenates — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,2-Dichloropropane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Diisopropyl ether	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Ethylbenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
2-Hexanone	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Isopropylbenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Methyl Acetate	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Methylcyclohexane	ND	ug/L	10		1	11/22/16	11/22/16 11:26	1011
Methylene Chloride	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	11/22/16	11/22/16 11:26	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Naphthalene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Styrene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Tetrachloroethene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Toluene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Trichloroethene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	11/22/16	11/22/16 11:26	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
Vinyl Chloride	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011
m,p-Xylenes	ND	ug/L	2.0		1	11/22/16	11/22/16 11:26	1011
o-Xylene	ND	ug/L	1.0		1	11/22/16	11/22/16 11:26	1011

Case Narrative Summary

Client Name: UMM Shore Regional Health Chestertown

Project Name: CRHC

Work Order Number(s): 16111712

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for drinking water and non-potable samples tested for compliance have a maximum holding time of 15 minutes. As such, all laboratory analyses for these analytes exceed holding times.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

Analytical Data Package Information Summary

Work Order(s): 16111712
Report Prepared For: UMM Shore Regional Health Chestertown, Cl
Project Name: Chester River Hospital Center-CRHC
Project Manager: Ken Hannon

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-33	Initial	16111712-006	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:02
	MW-34	Initial	16111712-007	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:02
	MW-35	Initial	16111712-008	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:28
	MW-48	Initial	16111712-009	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:28
	MW-49	Initial	16111712-010	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:54
	MW-50	Initial	16111712-011	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 15:54
	MW-51	Initial	16111712-012	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 16:20
	MW-52	Initial	16111712-013	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 16:20
	MW-53	Initial	16111712-014	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 16:45
	MW-54	Initial	16111712-015	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 16:45
	MW-55	Initial	16111712-016	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 17:25
	MW-56	Initial	16111712-017	1055	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 17:25
	SYS EFF	Initial	16111712-018	1060	W	63603	137740	11/17/2016	11/22/2016 08:23	11/22/2016 17:51
	63603-1-BKS	BKS	63603-1-BKS	1060	W	63603	137740	--------	11/22/2016 08:23	11/22/2016 12:53
	63603-1-BLK	BLK	63603-1-BLK	1060	W	63603	137740	--------	11/22/2016 08:23	11/22/2016 12:28
	63603-1-BSD	BSD	63603-1-BSD	1060	W	63603	137740	--------	11/22/2016 08:23	11/22/2016 13:19
	MW-15	Initial	16111712-001	1060	W	63571	137785	11/17/2016	11/19/2016 10:01	11/21/2016 11:26
	MW-16	Initial	16111712-002	1060	W	63571	137785	11/17/2016	11/19/2016 10:01	11/21/2016 11:52
	MW-19	Initial	16111712-003	1060	W	63571	137785	11/17/2016	11/19/2016 10:01	11/21/2016 12:18
	MW-20	Initial	16111712-004	1060	W	63571	137785	11/17/2016	11/19/2016 10:01	11/21/2016 12:44
	MW-24	Initial	16111712-005	1060	W	63571	137785	11/17/2016	11/19/2016 10:01	11/21/2016 12:44
	63571-1-BKS	BKS	63571-1-BKS	1060	W	63571	137785	--------	11/19/2016 10:01	11/21/2016 11:52
	63571-1-BLK	BLK	63571-1-BLK	1060	W	63571	137785	--------	11/19/2016 10:01	11/21/2016 11:26
	63571-1-BSD	BSD	63571-1-BSD	1060	W	63571	137785	--------	11/19/2016 10:01	11/21/2016 12:18
SW-846 8015C	SYS EFF	Initial	16111712-018	1035	W	63597	137695	11/17/2016	11/21/2016 08:57	11/21/2016 12:10
	63597-2-BKS	BKS	63597-2-BKS	1035	W	63597	137695	--------	11/21/2016 08:57	11/21/2016 12:36
	63597-2-BLK	BLK	63597-2-BLK	1035	W	63597	137695	--------	11/21/2016 08:57	11/21/2016 10:53
	WP-NW S	MS	16111822-002 S	1035	W	63597	137695	11/18/2016	11/21/2016 08:57	11/21/2016 17:44
	WP-NW SD	MSD	16111822-002 SD	1035	W	63597	137695	11/18/2016	11/21/2016 08:57	11/21/2016 18:09

Analytical Data Package Information Summary

Work Order(s): 16111712
Report Prepared For: UMM Shore Regional Health Chestertown, Cl
Project Name: Chester River Hospital Center-CRHC
Project Manager: Ken Hannon

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8260 B	SYS EFF	Initial	16111712-018	1011	W	63638	137778	11/17/2016	11/22/2016 08:26	11/22/2016 11:26
	63638-1-BKS	BKS	63638-1-BKS	1011	W	63638	137778	--------	11/22/2016 08:26	11/22/2016 09:36
	63638-1-BLK	BLK	63638-1-BLK	1011	W	63638	137778	--------	11/22/2016 08:26	11/22/2016 10:50
	SAMPLE 1 POND S	MS	16111814-001 S	1011	W	63638	137778	11/18/2016	11/22/2016 08:26	11/22/2016 13:29
	SAMPLE 1 PON SD	MSD	16111814-001 SD	1011	W	63638	137778	11/18/2016	11/22/2016 08:26	11/22/2016 13:50

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Ground Water Date Prep: 11/19/2016
PSS Sample ID: 16111712-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		46-111	%	11/21/16 11:26

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Ground Water Date Prep: 11/19/2016
PSS Sample ID: 16111712-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	94		46-111	%	11/21/16 11:52

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Ground Water Date Prep: 11/19/2016
PSS Sample ID: 16111712-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	92		46-111	%	11/21/16 12:18

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Ground Water Date Prep: 11/19/2016
PSS Sample ID: 16111712-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	69		46-111	%	11/21/16 12:44

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Ground Water Date Prep: 11/19/2016
PSS Sample ID: 16111712-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	98		46-111	%	11/21/16 12:44

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	81		46-111	%	11/22/16 15:02

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	90		46-111	%	11/22/16 15:02

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	65		46-111	%	11/22/16 15:28

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	95		46-111	%	11/22/16 15:28

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		46-111	%	11/22/16 15:54

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	87		46-111	%	11/22/16 15:54

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	80		46-111	%	11/22/16 16:20

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	97		46-111	%	11/22/16 16:20

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-014

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	63		46-111	%	11/22/16 16:45

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-015

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		46-111	%	11/22/16 16:45

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-016

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	84		46-111	%	11/22/16 17:25

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-017

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		46-111	%	11/22/16 17:25

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	79		46-111	%	11/22/16 17:51

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 137695 Matrix: Ground Water Date Prep: 11/21/2016
PSS Sample ID: 16111712-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	78		55-114	%	11/21/16 12:10

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 137778 Matrix: Ground Water Date Prep: 11/22/2016
PSS Sample ID: 16111712-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		86-111	%	11/22/16 11:26
Dibromofluoromethane	100		91-119	%	11/22/16 11:26
Toluene-D8	99		90-117	%	11/22/16 11:26

F = RPD exceeded the laboratory control limits
X = Recovery of MS, MSD or both outside of QC Criteria
H= Recovery of BS,BSD or both exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137785 Matrix: Water Date Prep: 11/19/16
MB Sample Id: 63571-1-BLK LCS Sample Id: 63571-1-BKS LCSD Sample Id: 63571-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.8911	89	0.7460	75	41-123	18	20	mg/L	11/21/16 11:52	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	83		84		69		46-111	%	11/21/16 11:52

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 137740 Matrix: Water Date Prep: 11/22/16
MB Sample Id: 63603-1-BLK LCS Sample Id: 63603-1-BKS LCSD Sample Id: 63603-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.8249	82	0.8875	89	41-123	7	20	mg/L	11/22/16 12:53	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	63		76		83		46-111	%	11/22/16 12:53

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 137695 Matrix: Water Date Prep: 11/21/16
MB Sample Id: 63597-2-BLK LCS Sample Id: 63597-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	5001	100	74-132	ug/L	11/21/16 12:36	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	77		88		55-114	%	11/21/16 12:36

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B

Seq Number: 137778 Matrix: Water Date Prep: 11/22/16

MB Sample Id: 63638-1-BLK LCS Sample Id: 63638-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	40.47	81	29-149	ug/L	11/22/16 09:36	
tert-Amyl alcohol	<20.00	50.00	51.58	103	36-149	ug/L	11/22/16 09:36	
tert-Amyl ethyl ether	<10.00	50.00	52.89	106	75-123	ug/L	11/22/16 09:36	
tert-Amyl methyl ether	<10.00	50.00	50.14	100	73-125	ug/L	11/22/16 09:36	
Benzene	<1.000	50.00	50.04	100	85-123	ug/L	11/22/16 09:36	
Bromochloromethane	<1.000	50.00	50.70	101	82-136	ug/L	11/22/16 09:36	
Bromodichloromethane	<1.000	50.00	51.76	104	88-133	ug/L	11/22/16 09:36	
Bromoform	<5.000	50.00	43.75	88	80-126	ug/L	11/22/16 09:36	
Bromomethane	<1.000	50.00	41.04	82	64-139	ug/L	11/22/16 09:36	
tert-Butyl alcohol	<20.00	50.00	51.25	103	63-155	ug/L	11/22/16 09:36	
2-Butanone (MEK)	<10.00	50.00	41.14	82	39-135	ug/L	11/22/16 09:36	
tert-Butyl ethyl ether	<10.00	50.00	52.97	106	70-128	ug/L	11/22/16 09:36	
Carbon Disulfide	<10.00	50.00	51.73	103	85-124	ug/L	11/22/16 09:36	
Carbon Tetrachloride	<1.000	50.00	46.59	93	81-138	ug/L	11/22/16 09:36	
Chlorobenzene	<1.000	50.00	50.18	100	85-120	ug/L	11/22/16 09:36	
Chloroethane	<1.000	50.00	48.12	96	75-129	ug/L	11/22/16 09:36	
Chloroform	<1.000	50.00	43.23	86	85-128	ug/L	11/22/16 09:36	
Chloromethane	<1.000	50.00	47.82	96	60-139	ug/L	11/22/16 09:36	
Cyclohexane	<10.00	50.00	47.40	95	55-131	ug/L	11/22/16 09:36	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	45.88	92	69-127	ug/L	11/22/16 09:36	
Dibromochloromethane	<1.000	50.00	46.24	92	82-127	ug/L	11/22/16 09:36	
1,2-Dibromoethane (EDB)	<1.000	50.00	47.09	94	82-121	ug/L	11/22/16 09:36	
1,2-Dichlorobenzene	<1.000	50.00	52.06	104	82-123	ug/L	11/22/16 09:36	
1,3-Dichlorobenzene	<1.000	50.00	51.32	103	81-123	ug/L	11/22/16 09:36	
1,4-Dichlorobenzene	<1.000	50.00	49.31	99	81-121	ug/L	11/22/16 09:36	
Dichlorodifluoromethane	<1.000	50.00	47.30	95	69-147	ug/L	11/22/16 09:36	
1,1-Dichloroethane	<1.000	50.00	49.40	99	83-123	ug/L	11/22/16 09:36	
1,2-Dichloroethane	<1.000	50.00	49.26	99	86-138	ug/L	11/22/16 09:36	
1,1-Dichloroethene	<1.000	50.00	49.65	99	85-127	ug/L	11/22/16 09:36	
cis-1,2-Dichloroethene	<1.000	50.00	49.27	99	87-127	ug/L	11/22/16 09:36	
1,2-Dichloropropane	<1.000	50.00	52.06	104	79-125	ug/L	11/22/16 09:36	
cis-1,3-Dichloropropene	<1.000	50.00	49.72	99	79-131	ug/L	11/22/16 09:36	
trans-1,3-Dichloropropene	<1.000	50.00	48.85	98	82-133	ug/L	11/22/16 09:36	
trans-1,2-Dichloroethene	<1.000	50.00	50.01	100	85-125	ug/L	11/22/16 09:36	
Diisopropyl ether	<10.00	50.00	51.37	103	70-129	ug/L	11/22/16 09:36	
Ethylbenzene	<1.000	50.00	46.50	93	83-123	ug/L	11/22/16 09:36	
2-Hexanone	<10.00	50.00	42.28	85	37-137	ug/L	11/22/16 09:36	
Isopropylbenzene	<1.000	50.00	48.14	96	70-131	ug/L	11/22/16 09:36	
Methyl Acetate	<10.00	50.00	46.23	92	69-127	ug/L	11/22/16 09:36	
Methylcyclohexane	<10.00	50.00	50.02	100	75-129	ug/L	11/22/16 09:36	
Methylene Chloride	<1.000	50.00	49.25	99	86-124	ug/L	11/22/16 09:36	
4-Methyl-2-Pentanone	<5.000	50.00	43.01	86	39-143	ug/L	11/22/16 09:36	
Methyl-t-butyl ether	<1.000	50.00	50.81	102	75-134	ug/L	11/22/16 09:36	
Naphthalene	<1.000	50.00	47.41	95	61-118	ug/L	11/22/16 09:36	
Styrene	<1.000	50.00	47.41	95	80-120	ug/L	11/22/16 09:36	
1,1,2,2-Tetrachloroethane	<1.000	50.00	49.74	99	64-125	ug/L	11/22/16 09:36	
Tetrachloroethene	<1.000	50.00	51.34	103	83-138	ug/L	11/22/16 09:36	
Toluene	<1.000	50.00	51.80	104	88-126	ug/L	11/22/16 09:36	
1,2,3-Trichlorobenzene	<1.000	50.00	47.40	95	75-124	ug/L	11/22/16 09:36	
1,2,4-Trichlorobenzene	<1.000	50.00	47.31	95	77-131	ug/L	11/22/16 09:36	
1,1,1-Trichloroethane	<1.000	50.00	51.31	103	68-146	ug/L	11/22/16 09:36	

PHASE SEPARATION SCIENCE, INC.

QC Summary 16111712

UMM Shore Regional Health Chestertown
CRHC

Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 137778 | Matrix: Water | Date Prep: 11/22/16

MB Sample Id: 63638-1-BLK | LCS Sample Id: 63638-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	50.91	102	85-124	ug/L	11/22/16 09:36	
Trichloroethene	<1.000	50.00	51.98	104	87-127	ug/L	11/22/16 09:36	
Trichlorofluoromethane	<5.000	50.00	49.88	100	77-147	ug/L	11/22/16 09:36	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	50.30	101	68-135	ug/L	11/22/16 09:36	
Vinyl Chloride	<1.000	50.00	47.76	96	74-138	ug/L	11/22/16 09:36	
m,p-Xylenes	<2.000	100	92.91	93	84-124	ug/L	11/22/16 09:36	
o-Xylene	<1.000	50.00	46.56	93	79-126	ug/L	11/22/16 09:36	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		99		86-111	%	11/22/16 09:36
Dibromofluoromethane	100		99		91-119	%	11/22/16 09:36
Toluene-D8	101		103		90-117	%	11/22/16 09:36

F = RPD exceeded the laboratory control limits
X = Recovery of MS, MSD or both outside of QC Criteria
H= Recovery of BS,BSD or both exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1) *CLIENT: UMM *OFFICE LOC.: Wilmington, DE
*PROJECT MGR: Ken Hannan *PHONE NO.: (302) 656 9600
EMAIL: khannan@brightfields.com FAX NO.: (302) 656 9700
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: Chestertown MD P.O. NO.:
SAMPLER(S): M. Cieskat, M. Lauer DW CERT NO.:

PSS Work Order #: 1611712 PAGE 1 OF 2

Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe

(2)

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: None	Analysis/ Method Required (3) * PH/MRO via 8015	REMARKS
1	MW-15	11/17/16	1000	GW	1	G		X	
2	MW-16		1010		1			X	
3	MW-19		1020		1			X	
4	MW-20		1030		1			X	
5	MW-24		1040		1			X	
6	MW-33		1050		1			X	
7	MW-34		1055		1			X	
8	MW-35		1100		1			X	
9	MW-48		1105		1			X	
10	MW-49		1110		1			X	

(5)

	Date	Time	
Relinquished By: (1)	11/17/16	1430	Received By:
Relinquished By: (2)	11/17	1610	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

*Requested TAT (One TAT per COC)
☒ 5-Day ☐ 3-Day ☐ 2-Day ☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required: COA ☐ QC SUMM ☐ CLP LIKE ☐ OTHER ____

# of Coolers: 3
Custody Seal: ABS
Ice Present: YES Temp 11.4, 10.2°C
Shipping Carrier: FTE

Special Instructions:

DW COMPLIANCE? YES ☐
EDD FORMAT TYPE: ____
STATE RESULTS REPORTED TO: MD ☐ DE ☐ PA ☐ VA ☐ WV ☐ OTHER ____

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

1

*CLIENT: UMM	*OFFICE LOC. Wilmington, DE
*PROJECT MGR: Ken Hansen	*PHONE NO.: (302) 656-9600
EMAIL: Khansen@brightfieldsinc.com	FAX NO.: (302) 656 9700
*PROJECT NAME: CRHC	PROJECT NO.:
SITE LOCATION: Chestertown, MD	P.O. NO.:
SAMPLER(S): M. Croskey, M. Lower	DW CERT NO.:

PSS Work Order #: 11011712 PAGE 2 OF 2

Matrix Codes:
SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe

2 **3**

Preservatives Used: [illegible] | HCL

Analysis/Method Required*: TPH DRO via 8015 | GRO, VOC w/ Oxygenates

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TPH DRO via 8015	GRO, VOC w/ Oxygenates										REMARKS
11	MW-50	11/17/16	1115	GW	1	G	X											
12	MW-51	↓	1120	↓	1	↓	X											
13	MW-52	↓	1125	↓	1	↓	X											
14	MW-53	↓	1130	↓	1	↓	X											
15	MW-54	↓	1135	↓	1	↓	X											
16	MW-55	↓	1140	↓	1	↓	X											
17	MW-56	↓	1145	↓	1	↓	X											
18	SYS EFF	↓	1150	↓	4	↓	X	X	X									

5

Relinquished By:	Date	Time	Received By:
(1) [signature]	11/17/16	1430	[signature]
(2) [signature]	11/17	1610	[signature]
(3)	Date	Time	Received By:
(4)	Date	Time	Received By:

4

*Requested TAT (One TAT per COC)
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:
COA ☐ QC SUMM ☐ CLP LIKE ☐ OTHER ______

Special Instructions:

# of Coolers: 3
Custody Seal: ABS
Ice Present: YES Temp: 11,4,10°C
Shipping Carrier: TTE

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE ______

STATE RESULTS REPORTED TO:
MD ☐ DE ☐ PA ☐ VA ☐ WV ☐ OTHER ______

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. * = REQUIRED

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	16111712	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health Chester	**Date Received**	11/17/2016 04:10:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	12/22/2016	**Tracking No**	Not Applicable
		Logged In By	Rachel Davis

Shipping Container(s)

No. of Coolers 1

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	4
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	10
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	11
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

COC agrees with sample labels?	Yes	Sampler Name	Not Provided
Chain of Custody	Yes		N/A

Sample Container

Appropriate for Specified Analysis?	Yes	Custody Seal(s) Intact?	Not Applicable
Intact?	Yes	Seal(s) Signed / Dated	Not Applicable
Labeled and Labels Legible?	Yes		

Total No. of Samples Received 18 Total No. of Containers Received 21

Preservation

Total Metals	(pH<2)	N/A
Dissolved Metals, filtered within 15 minutes of collection	(pH<2)	N/A
Orthophosphorus, filtered within 15 minutes of collection		N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, DOC (field filtered), COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A
524 VOC (Rcvd with trip blanks)	(pH<2)	N/A

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	16111712	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health Chester	**Date Received**	11/17/2016 04:10:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	12/22/2016	**Tracking No**	Not Applicable
		Logged In By	Rachel Davis

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Rachel Davis — Date: 11/17/2016

Rachel Davis

PM Review and Approval: Lynn Jackson — Date: 11/18/2016

Lynn Jackson

Analytical Report for

UMM Shore Regional Health Chestertown

Certificate of Analysis No.: 16111713

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

December 9, 2016

Phase Separation Science, Inc.

6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

December 9, 2016

Ken Hannon
UMM Shore Regional Health Chestertown
100 Brown Street
Chestertown, MD 21620

Reference: PSS Work Order(s) No: **16111713**
Project Name: CRHC
Project Location: Chestertown, MD

Dear Ken Hannon :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **16111713**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on December 22, 2016, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: UMM Shore Regional Health Chestertown

Project Name: CRHC

Work Order Number(s): 16111713

The following samples were received under chain of custody by Phase Separation Science (PSS) on 11/17/2016 at 04:10 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
16111713-001	MW-13	GROUND WATER	11/17/16 11:55
16111713-002	MW-20	GROUND WATER	11/17/16 10:30
16111713-003	MW-43	GROUND WATER	11/17/16 12:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

Standard Flags/Abbreviations:

B	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results Pending Final Confirmation.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
U	Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBE MWAA LD1997-0041-2015

Rogers & Callcott ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Phase Separation Science, Inc. Lynn Jackson 6630 Baltimore National Pike Baltimore, MD 21228	**Project:** **Work Order:** **Received:**	Routine 6110885 11/22/2016 15:05

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on November 22, 2016. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Melissa Riddle, your Project Manager, at melissa.riddle@rogersandcallcott.com or (864)-232-1556 if you have any questions about this report.

Report Approved By:

Melissa Riddle
Project Manager

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company

Rogers & Callcott ENVIRONMENTAL

South Carolina Greenville Laboratory Identification 23105
South Carolina Columbia Laboratory Identification 40572
North Carolina Laboratory Certification Number 27
North Carolina Drinking Water Lab Number 45710
NELAP Utah Certificate Number SC000042014-1
Georgia Drinking Water Lab ID 880

Certificate of Analysis

Client Phase Separation Science, Inc.
Lynn Jackson
6630 Baltimore National Pike
Baltimore, MD 21228

Project: Routine
Work Order: 6110885
Received: 11/22/2016 15:05

Sample Number	Sample Description	Matrix	Sampled	Type
6110885-01	16111713-001 MW-13	Ground Water	11/17/16 11:55	
6110885-02	16111713-002 MW-20	Ground Water	11/17/16 10:30	
6110885-03	16111713-003 MW-43	Ground Water	11/17/16 12:00	

Rogers & Callcott ENVIRONMENTAL

Phase Separation Science, Inc.		Project:	Routine
6630 Baltimore National Pike		Work Order:	6110885
Baltimore, MD 21228		Reported:	12/09/16 08:59

Sample Data

Sample Number 6110885-01
Sample Description 16111713-001 MW-13 collected on 11/17/16 11:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Surfactants, CTAS as C12-18 E11	**4.44**	1.40	mg/L	1.00	11/28/16 10:35	SM 5540D-2011		SGM	B6L0362

Sample Number 6110885-02
Sample Description 16111713-002 MW-20 collected on 11/17/16 10:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Surfactants, CTAS as C12-18 E11	ND	1.40	mg/L	1.00	11/28/16 14:10	SM 5540D-2011		SGM	B6L0362

Sample Number 6110885-03
Sample Description 16111713-003 MW-43 collected on 11/17/16 12:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Surfactants, CTAS as C12-18 E11	**3.32**	1.40	mg/L	1.00	11/28/16 15:55	SM 5540D-2011		SGM	B6L0362

Rogers & Callcott ENVIRONMENTAL

Phase Separation Science, Inc.		Project:	Routine
6630 Baltimore National Pike		Work Order:	6110885
Baltimore, MD 21228		Reported:	12/09/16 08:59

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported

6110885

Chain of Custody Form for Subcontracted Analyses

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

For Questions or issues please contact: Lynn Jackson

W.O. No. : **16111713**
P.O. No. :
Project Number : N/A
Report To LOD : No

Report Due On :12/05/16 05:00

Samples Transferred To:
Rogers & Callcott Environmental
PO Box 5655
Greenville, SC 29606

Shipping address is 426 Fairforest Way Greenville,
Phone : 1-866-805-9596

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
16111713-001	MW-13	11/17/16	11:55	Water	Nonionic Surfactants	SM5540D	500 ml HDPE	COOL
16111713-002	MW-20	11/17/16	10:30	Water	Nonionic Surfactants	SM5540D	500 ml HDPE	COOL
16111713-003	MW-43	11/17/16	12:00	Water	Nonionic Surfactants	SM5540D	500 ml HDPE	COOL

Data Deliverables Required: COA

Perform Q.C. on Sample :

Send Report Attn : reporting@phaseonline.com

Send InvoiceAttn : invoicing@phaseonline.com

Airbill No.: Carrier : UPS

Condition Upon Receipt :

Comments :

Samples Relinquished By : Date : Time: Samples Received By : UPS

Samples Relinquished By: Date : 11.22.16 Time : 1505 Samples Received By:

Samples Relinquished By: Date: Time: Samples Received By:

0.4°C Rac temp @ rec.

Rogers & Callcott ENVIRONMENTAL

Sample Receipt Verification

Client: Phase Date Received: 11.22.16 Work Order: 6111885

Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____

Tracking Number: 122313E4016037 5805

Receipt Criteria	Yes	No	NA	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X		X	no published hold. time
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?			X	
Samples cooled? Temp at receipt recorded on COC; Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.			X	
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?			X	

If in-house preservation used – record Lot #			
HCL		H_3PO_4	
H_2SO_4		NaOH	
HNO_3		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or (No)

Non-Conformance issue other than noted above:

Revised July 2014

Completed by: _____

Case Narrative Summary

Client Name: UMM Shore Regional Health Chestertown

Project Name: CRHC

Work Order Number(s): 16111713

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for drinking water and non-potable samples tested for compliance have a maximum holding time of 15 minutes. As such, all laboratory analyses for these analytes exceed holding times.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

16111713: Analyses associated with analyst code 4056 were performed by Rogers & Callcott Environmental - UT SC00004

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1) *CLIENT: UMM *OFFICE LOC: Wilmington, DE
*PROJECT MGR: Ken Hannon *PHONE NO.: (302) 656-9600
EMAIL: khannon@brightfields.com FAX NO.: (302) 656-9700
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: Chestertown, MD P.O. NO.:
SAMPLER(S): M. Conley, M. Lower DW CERT NO.:

PSS Work Order #: 1601117713 PAGE 1 OF 1

Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe

(2)

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE (C = COMP, G = GRAB)	Preservatives Used: None	Analysis/Method Required (3): Surfactant via SM 5540 D	REMARKS
1	MW-13	11/17/16	1155	GW	1		X		
2	MW-20		1030		1		X		
3	MW-43		1200		1		X		

(5)

Relinquished By: (1)	Date	Time	Received By:
	11/17/16	1430	
Relinquished By: (2)	Date	Time	Received By:
	11/17	1610	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

*Requested TAT (One TAT per COC)
☒ 5-Day ☐ 3-Day ☐ 2-Day ☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:
COA ☐ QC SUMM ☐ CLP LIKE ☐ OTHER ____

# of Coolers: 1
Custody Seal: ABS
Ice Present: YES Temp: 4°c
Shipping Carrier: FTE

Special Instructions:

DW COMPLIANCE? YES ☐
EDD FORMAT TYPE: ____
STATE RESULTS REPORTED TO: MD ☐ DE ☐ PA ☐ VA ☐ WV ☐ OTHER ____

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	16111713	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health Chester	**Date Received**	11/17/2016 04:10:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	12/22/2016	**Tracking No**	Not Applicable
		Logged In By	Rachel Davis

Shipping Container(s)

No. of Coolers 1

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	4
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	Not Provided
COC agrees with sample labels?	Yes		N/A
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received 3 Total No. of Containers Received 3

Preservation

Total Metals	(pH<2)	N/A
Dissolved Metals, filtered within 15 minutes of collection	(pH<2)	N/A
Orthophosphorus, filtered within 15 minutes of collection		N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, DOC (field filtered), COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A
524 VOC (Rcvd with trip blanks)	(pH<2)	N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Rachel Davis Date: 11/17/2016

Rachel Davis

PM Review and Approval: N Lynn Jackson Date: 11/18/2016

Lynn Jackson

APPENDIX B

WELL GAUGING & FIELD REPORTS

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #:

DATE: 11/16, 17/2016
WEATHER: Sunny, 50's, light southwest winds

PROJECT: **Chester River Hospital Center**
LOCATION: **Chestertown, Maryland**

COLLECTED BY: MC/MEL
ENTERED BY: MC

Type product: Fuel oil
Petro correction factor: 0.80

Monitoring Point	Description of Measuring Point (ft msl)	Measuring Point Elevation (ft)	Product Depth (ft)	Water Depth (ft)	Depth to Bottom (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MW-1	Lip of Casing	57.05		47.11		9.94	9.94	
MW-2	Lip of Casing	56.37		46.64		9.73	9.73	
MW-3	Lip of Casing	50.55		41.30		9.25	9.25	
MW-4	Lip of Casing	53.40		43.24		10.16	10.16	
MW-5	Lip of Casing	61.08		51.16		9.92	9.92	
MW-6	Lip of Casing	--------	--------	--------		--------	--------	Well destroyed in building expansion Nov 2000
MW-7	Lip of Casing	--------	--------	--------		--------	--------	Well destroyed in building expansion Nov 2000
MW-8	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Aug. 2013
MW-9	Lip of Casing	46.60		39.41		7.19	7.19	
MW-10	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		41.03		7.67	7.67	
MW-11	Lip of Casing	41.49		33.68		7.81	7.81	
MW-12	Lip of Casing	44.46		36.38		8.08	8.08	
MW-13	Lip of Casing	41.70		34.89		6.81	6.81	
MW-14	Lip of Casing	41.38		35.13		6.25	6.25	
MW-15	Lip of Casing	35.01		27.20	43.72	7.81	7.81	
MW-16	Lip of Casing	35.55		28.14		7.41	7.41	
MW-17	Lip of Casing	35.49				--------	--------	Car on well
MW-18	Lip of Casing	35.82		28.24		7.58	7.58	
MW-19	Lip of Casing	38.85		31.96	41.88	6.89	6.89	
MW-20	Lip of Casing	38.72		31.97	42.70	6.75	6.75	
MW-21	Lip of Casing	38.55		31.02	42.89	7.53	7.53	
MW-22	Lip of Casing	47.04		46.26		0.78	0.78	Slight Odor
MW-23	Lip of Casing	35.95		28.48		7.47	7.47	

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #:

DATE: 11/16, 17/2016
WEATHER: Sunny, 50's, light southwest winds

PROJECT: **Chester River Hospital Center**
LOCATION: **Chestertown, Maryland**

COLLECTED BY: MC/MEL
ENTERED BY: MC

Type product: Fuel oil
Petro correction factor: 0.80

Monitoring Point	Description of Measuring Point (ft msl)	Measuring Point Elevation (ft)	Product Depth (ft)	Water Depth (ft)	Depth to Bottom (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MW-24	Lip of Casing	36.56		29.12		7.44	7.44	
MW-25	Lip of Casing	36.10		28.35		7.75	7.75	
MW-27	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		27.75		8.15	8.15	
MW-29	Lip of Casing	35.15		27.63		7.52	7.52	
MW-30	Lip of Casing	--------	--------	--------		--------	--------	Well destroyed in building expansion Nov 2000
MW-31	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Nov 2012
MW-31R	Lip of Casing	47.40		38.87		8.53	8.53	
MW-32	Lip of Casing	47.41		39.64		7.77	7.77	
MW-33	Lip of Casing	36.52		29.32	40.23	7.20	7.20	
MW-34	Lip of Casing	36.64		29.42	40.13	7.22	7.22	
MW-35	Lip of Casing	38.62		31.28	42.09	7.34	7.34	
MW-37	Lip of Casing	50.54		41.31		9.23	9.23	
MW-38	Lip of Casing	--------	--------	--------		--------	--------	pump stuck in well - not able to gauge
RW-1B	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Sep. 2013
RW-2D	Lip of Casing	40.54		41.29		-0.75	-0.75	Slight sheen, odor
RW-3B	Lip of Casing	39.45		41.63		-2.18	-2.18	
MW-40	Lip of Casing	48.88		41.80		7.08	7.08	
MW-41	Lip of Casing	43.15		36.78		6.37	6.37	
RW-4	Lip of Casing	48.15		46.30		1.85	1.85	
RW-5	Lip of Casing	43.34		42.94		0.40	0.40	
RW-6	Lip of Casing	47.22		45.28		1.94	1.94	
RW-2A	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Mar 2008

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #:

DATE: 11/16, 17/2016
WEATHER: Sunny, 50's, light southwest winds
COLLECTED BY: MC/MEL
ENTERED BY: MC

PROJECT: **Chester River Hospital Center**
LOCATION: **Chestertown, Maryland**

Type product: Fuel oil
Petro correction factor: 0.80

Monitoring Point	Description of Measuring Point (ft msl)	Measuring Point Elevation (ft)	Product Depth (ft)	Water Depth (ft)	Depth to Bottom (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MP-2B	Lip of Casing	--------	--------	--------		--------	--------	
RW-2C	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Sep 2003
RW-3A	Lip of Casing	--------	--------	--------		--------	--------	Well abandoned Sep 2003
MP-3A	Lip of Casing	--------	--------	--------		--------	--------	Collapsed well - not able to sample
MW-42	Lip of Casing	47.11		39.90		7.21	7.21	
MW-43	Lip of Casing	47.90		41.14		6.76	6.76	
MW-44	Lip of Casing	47.20		39.18		8.02	8.02	
MW-45	Lip of Casing	40.70		33.40		7.30	7.30	
MW-46	Lip of Casing	40.89		34.55		6.34	6.34	
MW-47	Lip of Casing	40.74		34.73		6.01	6.01	Strong sewer odor
MW-48	Lip of Casing	36.22		28.69	54.31	7.53	7.53	
MW-49	Lip of Casing	35.49		27.93	54.52	7.56	7.56	
MW-50	Lip of Casing	35.64		28.22	54.38	7.42	7.42	
MW-51	Lip of Casing	60.55		51.19		9.36	9.36	NEW - Installed June 2016
MW-52	Lip of Casing	47.25		40.57		6.68	6.68	NEW - Installed June 2016
MW-53	Lip of Casing	47.69		41.25		6.44	6.44	NEW - Installed June 2016
MW-54	Lip of Casing	42.99		37.35	52.02	5.64	5.64	NEW - Installed June 2016, Sheen
MW-55	Lip of Casing	42.78		34.99	45.57	7.79	7.79	NEW - Installed June 2016
MW-56	Lip of Casing	37.82		31.43	45.98	6.39	6.39	NEW - Installed June 2016
S-1	Lip of Casing	34.90		27.98		6.92	6.92	NEW - Installed September 2016
S-2	Lip of Casing	35.01		27.91		7.10	7.10	NEW - Installed September 2016
S-3	Lip of Casing	35.09		27.77		7.32	7.32	NEW - Installed September 2016
IW-1	Lip of Casing	--------	--------	--------		--------	--------	

Project Name:	**Chester River Hospital Center**	Date:	Wednesday, November 02, 2016
Project #:	3111.01.52	Time on - site:	9:00 AM
Location:	**Chestertown, Maryland**	Weather:	Cloudy, 50's, Lt N. Winds
Personnel present at site:	MC/NSB	Vehicle:	1

Reason for site visit:	yes	no	
Surveying	☐	☑	Pulling and cleaning RW4 & MW22
Monitoring	☑	☐	
Sampling	☐	☑	
Other	☑	☐	
Recovery system maintenance	☑	☐	
Recovery system repair	☐	☑	

Scheduled Activities	Checklist	yes	no	n/a	Exceptions (with explanation and comments)
Routine Monitoring	Measured water & petroleum levels	☑	☐	☐	
	Pumped petroleum from wells	☐	☑	☐	
	Emptied petro trap	☐	☑	☐	
	Installed, replaced, or inspected wics	☐	☑	☐	
	Measured and recorded system data	☑	☐	☐	
	Surveyed well elevations	☐	☑	☐	
	Inspected system discharge at storm drain	☑	☐	☐	
Sampling	Groundwater sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Petroleum sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Soil sampling	☐	☑	☐	
	Vapor system sampling	☐	☑	☐	
	Collected sample(s) in lab bottle(s) & chilled	☐	☑	☐	
	Filled out labels and chain-of-custody	☐	☑	☐	
Other Activities	Recorded amount recovered	☐	☑	☐	
	Completed site sketch	☐	☑	☐	
	Recovery system repair	☐	☑	☐	
	Completed materials and equipment form	☐	☑	☐	

Operation & Maintenance	Bag Filter Changed	yes	no	n/a	Before PSI	After PSI	Comments
Bag Filters	BF-1 (Secondary (25 micron bag)	☐	☑	☐	16	N/A	Bag filters not changed due to low PSI.
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	NA	N/A	Bag filters not changed due to low PSI.
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	16	N/A	Bag filters not changed due to low PSI.
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	16	N/A	Bag filters not changed due to low PSI.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	N/A	N/A	19.26	4338411	
	RW-3B	☑	☐	☐	N/A	N/A	18.86	3948017	
	RW-4	☑	☐	☐	N/A	N/A	9.82	70389361	
	RW-5	☑	☐	☐	N/A	N/A	13.20	17434846	
	RW-6	☑	☐	☐	N/A	N/A	21.87	40840860	
	MW-22	☑	☐	☐	N/A	N/A	10.46	6344553	

Site Visit Summary	The system running upon arrival, flows normal. Pumps from MW22 and RW4 pulled and cleaned.

Project Name:	**Chester River Hospital Center**	Date:	Wednesday, November 16, 2016
Project #:	3111.01.52	Time on - site:	9:00 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 50's, Lt NW. Winds
Personnel present at site:	MC/MEL	Vehicle:	1

Reason for site visit:	yes	no	
Surveying	☐	☑	Monthly groundwater sampling
Monitoring	☑	☐	
Sampling	☑	☐	
Other	☐	☑	
Recovery system maintenance	☑	☐	
Recovery system repair	☐	☑	

Scheduled Activities	Checklist	yes	no	n/a	Exceptions (with explanation and comments)
Routine Monitoring	Measured water & petroleum levels	☑	☐	☐	
	Pumped petroleum from wells	☐	☑	☐	
	Emptied petro trap	☐	☑	☐	
	Installed, replaced, or inspected wics	☐	☑	☐	
	Measured and recorded system data	☑	☐	☐	
	Surveyed well elevations	☐	☑	☐	
	Inspected system discharge at storm drain	☑	☐	☐	
Sampling	Groundwater sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Petroleum sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Soil sampling	☐	☑	☐	
	Vapor system sampling	☐	☑	☐	
	Collected sample(s) in lab bottle(s) & chilled	☑	☐	☐	
	Filled out labels and chain-of-custody	☐	☑	☐	
Other Activities	Recorded amount recovered	☐	☑	☐	
	Completed site sketch	☐	☑	☐	
	Recovery system repair	☐	☑	☐	
	Completed materials and equipment form	☐	☑	☐	

Operation & Maintenance	Bag Filter Changed	yes	no	n/a	Before PSI	After PSI	Comments
Bag Filters	BF-1 (Secondary (25 micron bag)	☑	☐	☐	16	N/A	Bag filters not changed due to low PSI.
	BF-2 (Primary - 50 micron bag)	☑	☐	☐	16	N/A	Bag filters not changed due to low PSI.
	BF-3 (Secondary (25 micron bag)	☑	☐	☐	12	N/A	Bag filters not changed due to low PSI.
	BF-4 (Primary - 50 micron bag)	☑	☐	☐	16	N/A	Bag filters not changed due to low PSI.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	41.29	N/A	18.79	4720555	Slight sheen.
	RW-3B	☑	☐	☐	41.63	N/A	18.51	4326903	Slight sheen.
	RW-4	☑	☐	☐	46.30	N/A	9.16	70594213	No sheen/odor.
	RW-5	☑	☐	☐	42.94	N/A	12.41	17697687	No sheen/odor.
	RW-6	☑	☐	☐	45.28	N/A	21.45	41277369	No sheen/odor.
	MW-22	☑	☐	☐	46.26	N/A	12.02	6598600	No sheen/odor.

Site Visit Summary	The system running upon arrival, flows normal. Last BF changeout 11/14/16 by hospital maintenance staff.

Project Name:	**Chester River Hospital Center**	Date:	Monday, November 28, 2016
Project #:	3111.01.52	Time on - site:	8:55 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 50's, Lt Winds
Personnel present at site:	RCM	Vehicle:	1

Reason for site visit:	yes	no
Surveying	☐	☑
Monitoring	☑	☐
Sampling	☑	☐
Other	☐	☑
Recovery system maintenance	☑	☐
Recovery system repair	☐	☑

System Effluent @1030

Scheduled Activities	Checklist	yes	no	n/a	Exceptions (with explanation and comments)
Routine Monitoring	Measured water & petroleum levels	☑	☐	☐	
	Pumped petroleum from wells	☐	☑	☐	
	Emptied petro trap	☐	☑	☐	
	Installed, replaced, or inspected wics	☐	☑	☐	
	Measured and recorded system data	☑	☐	☐	
	Surveyed well elevations	☐	☑	☐	
	Inspected system discharge at storm drain	☑	☐	☐	
Sampling	Groundwater sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Petroleum sampling(note which wells were sampled on petro form)	☐	☑	☐	
	Soil sampling	☐	☑	☐	
	Vapor system sampling	☐	☑	☐	
	Collected sample(s) in lab bottle(s) & chilled	☑	☐	☐	System Effluent @1030
	Filled out labels and chain-of-custody	☐	☑	☐	
Other Activities	Recorded amount recovered	☐	☑	☐	
	Completed site sketch	☐	☑	☐	
	Recovery system repair	☐	☑	☐	
	Completed materials and equipment form	☐	☑	☐	

Operation & Maintenance	Bag Filter Changed	yes	no	n/a	Before PSI	After PSI	Comments
Bag Filters	BF-1 (Secondary (25 micron bag)	☑	☐	☐	16	13	Moderate iron fouling. Little bio fouling.
	BF-2 (Primary - 50 micron bag)	☑	☐	☐	N/A	N/A	Pressure guage not working. Low iron fouling. No bio fouling.
	BF-3 (Secondary (25 micron bag)	☑	☐	☐	16	13	Moderate iron fouling. Little bio fouling.
	BF-4 (Primary - 50 micron bag)	☑	☐	☐	16	13	Low iron fouling. No bio fouling.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	41.42	N/A	19.28	5051152	Slight Sheen & odor
	RW-3B	☑	☐	☐	41.66	N/A	19.02	4650838	Slight Sheen & odor
	RW-4	☑	☐	☐	45.30	N/A	7.60	70740705	No sheen/no odor
	RW-5	☑	☐	☐	42.85	N/A	12.62	17917501	No sheen/no odor
	RW-6	☑	☐	☐	45.13	N/A	21.21	41645705	No sheen/no odor
	MW-22	☑	☐	☐	45.89	N/A	11.65	6805294	No sheen/no odor

Site Visit Summary	The system running upon arrival, flows normal. Last BF changeout 11/21/16 by hospital maintenance staff. Cleaned bio film off of 2 Mycelx cartridges in each unit (M1&M2)