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October 15, 2015

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

Subject: Chester River Hospital Center – 2015 Third Quarter Monitoring

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 third quarter monitoring report for period of July 1st through September 30th. Monitoring activities were performed in accordance with MDE's "Post Remedial Monitoring Modifications" letter dated September 5, 2012 and 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.

- July Monthly Monitoring
  - Gauging of all monitoring and recovery wells.
  - Sampling of all monitoring and recovery wells for the presence of Total Petroleum Hydrocarbons - Diesel Range Organics/Gasoline Range Organics (TPH-DRO/GRO) using EPA Method 8015, Volatile Organic Compounds (VOCs), including oxygenates, using EPA Method 8260B.

- August 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/Gasoline Range Organics (TPH-DRO/GRO) using EPA Method 8015, and Volatile Organic Compounds (VOCs), including oxygenates, using EPA Method 8260B.

- September Monthly Monitoring* (Note: Sampling requirements are reflective of MDE's "Approval for Revised 2015 Action Plan" letter dated July 22, 2015 as implementation of the 2015 Action Plan commenced)
    - 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 each monitoring well that has undergone an Ivey-sol® application. For September, these include the 8 monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-14, MW-37, and MW-47) within Priority Zone 1.

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 Maps for July, August, and September
- Figure 2 – Water Quality Map of TPH-DRO & TPH-GRO for July, August, and September
- Figure 3 – Water Quality Maps of Benzene, Tolulene, Ethylbenzene, Xylenes, and Naphthalene for July and August
- Appendix A – Laboratory Analytical Reports for July, August, and September
- Appendix B – Well Gauging & Field Reports for July, August, and September

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. The system has remained in service throughout the third quarter.

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 analysis show detectable levels of TPH-DRO, the primary constituent of concern, was present at MW-20 during September's monthly monitoring event. The remaining ten targeted wells (MW-15, MW-16, MW-19, MW-24, MW-33, MW-34, MW-35, MW48, MW-49, and MW-50) were below laboratory detection limits during all three monthly monitoring events. Site maps showing concentrations of TPH-DRO is included in **Figure 2**.

With respect to the eleven targeted monitoring wells, the results of laboratory analysis for TPH-GRO, Benzene, Toluene, Ethylbenzene, Xylenes, and Naphthalene were below

laboratory detection limits during all monthly monitoring events. Site maps showing concentrations of TPH-GRO is included in **Figure 2**. Site maps showing concentrations of Benzene, Toluene, Ethylbenzene, Xylenes, and Naphthalene is included in **Figure 3**.

In reviewing all monitoring and recovery wells, the results of laboratory analysis shows detectable levels of TPH-DRO, TPH-GRO, Benzene, Ethylbenzene, Xylenes, and Naphthalene are present at the site. The locations of monitoring wells with detectable levels of TPH-DRO, with the exception of MW-20, are north of Brown Street and within the area of hydraulic control imposed by the pump and treat system. MW-20 is located south of Brown Street but still within the area of hydraulic control imposed by the pump and treat system.

The locations of all monitoring wells with detectable levels of TPH-GRO, Benzene, Ethylbenzene, Xylenes, and Naphthalene are north of Brown Street and within the area of hydraulic control imposed by the pump and treat system. Furthermore, none of the detectable levels of Benzene, Ethylbenzene, and Xylenes exceeded MDE's Groundwater Cleanup Standard during any of the monthly monitoring events.

Gauging of monitoring and recovery wells was performed on multiple occasions from July through September. 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 laboratory results and gauging data from the third quarter of 2015, the following generalizations can be made:

1) The groundwater recovery/containment system has maintained hydraulic control within the upper parking lot (source area) and portions of the lower parking lot.
2) The presence of TPH-DRO, TPH-GRO, and Naphthalene detected within monitoring wells are located within the limits of Chester River Hospital Center.
3) All of the detectable levels for Benzene, Ethylbenzene, and Xylenes were below MDE's Groundwater Cleanup Standard.
4) Ten of the eleven targeted monitoring wells sampled on a monthly basis were below laboratory detection limits for TPH-DRO.
5) All of the eleven targeted monitoring wells sampled on a monthly basis were below laboratory detection limits for TPH-GRO, BTEX, and Naphthalene.

Implementation of the 2015 Action Plan commenced on August 31st that included the injection of Ivey-sol® solution into the eight monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-14, MW-37, and MW-47) of Priority Zone 1. Prior to the implementation of the Action Plan, levels for TPH-DRO (as obtained from the July 30, 2015 sampling event) ranged from <0.1 to 220 mg/L. Following six (6) injection-extraction events, the Assessment #1 sample results performed on September 22nd showed levels for TPH-DRO ranged from 0.65 to 2.3 mg/L, a significant and positive reduction in concentrations of dissolved phase hydrocarbons.

Implementation of the 2015 Action Plan will continue into the fourth quarter. Assessment sampling will continue to be performed to monitor the effectiveness of the Action Plan and to document a further reduction in the analytical concentrations leading towards case closure.

The next monitoring event is scheduled for October 2015. 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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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	**0.20**	<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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
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100 Brown Street
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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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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
	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

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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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
	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

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**	**NA**	**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

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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**	**NA**	**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

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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**	**NA**	**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

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**	**NA**	**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

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**	**NA**	**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

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
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100 Brown Street
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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**	**NA**	**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
	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

NS - Not Sampled

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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**	**NA**	**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

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**	**NA**	**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

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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**	**NA**	**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

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**	**NA**	**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

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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**	**NA**	**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

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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**	**NA**	**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
	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

NS - Not Sampled

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Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
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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**	**NA**	**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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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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

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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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

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**	**NA**	**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

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
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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**	**NA**	**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

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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

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**	**NA**	**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

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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**	**NA**	**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	**2.8**	NS	NS	NS

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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**	**NA**	**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

NS - Not Sampled

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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**	**NA**	**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

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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**	**NA**	**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

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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**	**NA**	**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

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**	**NA**	**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

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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**	**NA**	**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

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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**	**NA**	**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

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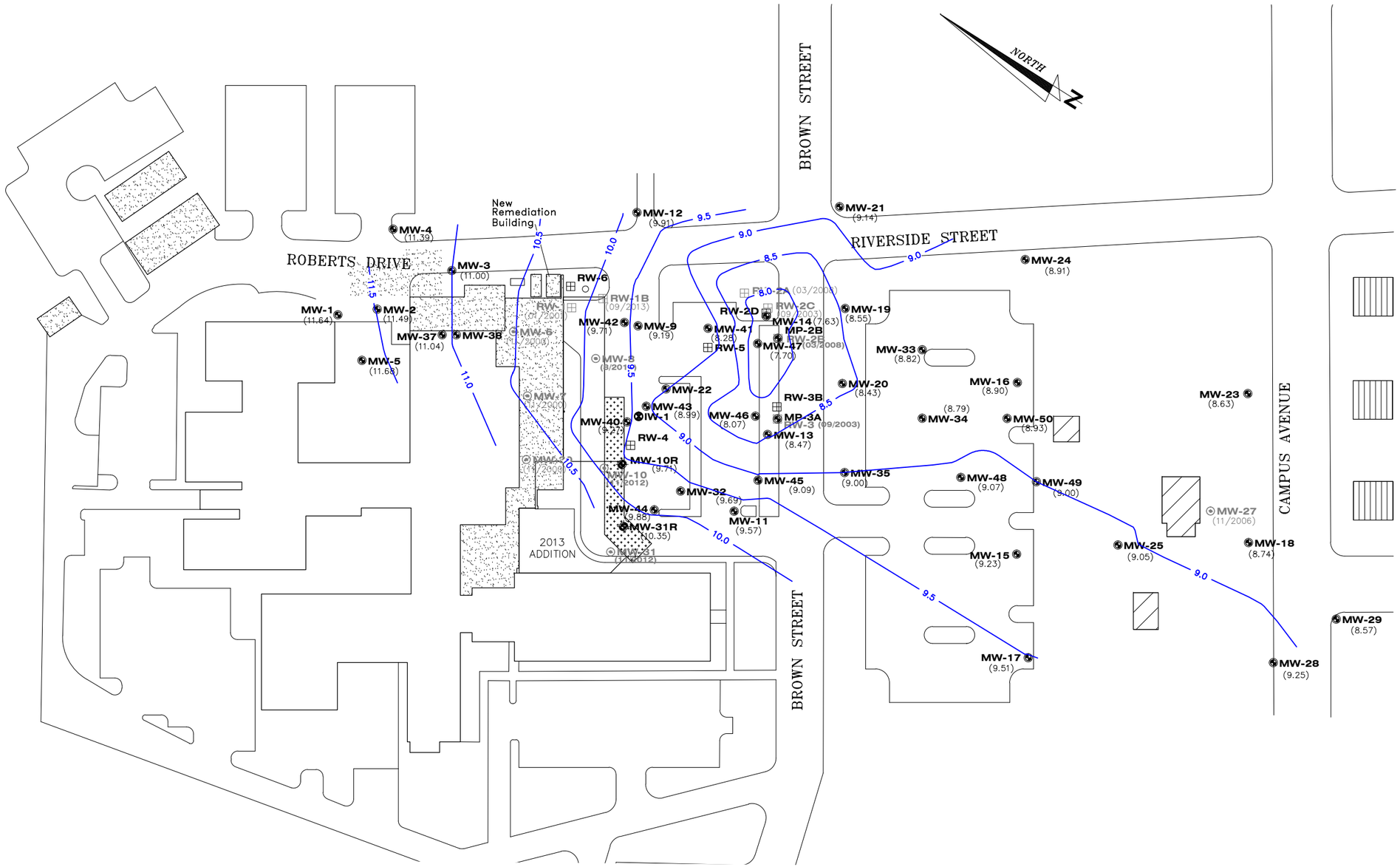
Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)	Surfactant (mg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**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

NS - Not Sampled

FIGURES

FIGURE 1

Water Table Contour Maps – July, August, September



LEGEND

MW-40	MONITORING WELL
RW-3B	RECOVERY WELL
IW-1	INJECTION WELL
MW-30	ABANDONED MONITORING WELL
(09/2003)	DATE OF ABANDONMENT
RW-3	ABANDONED RECOVERY WELL
(09/2003)	DATE OF ABANDONMENT
5.50	WATER TABLE CONTOUR (FT. MSL)

EXCLUDES GAUGING DATA FROM ACTIVE RECOVERY WELLS (RW-2D, RW-3B, RW-4, RW-5, RW-6, MW-22)

80 0 40 80
GRAPHIC SCALE (FEET)

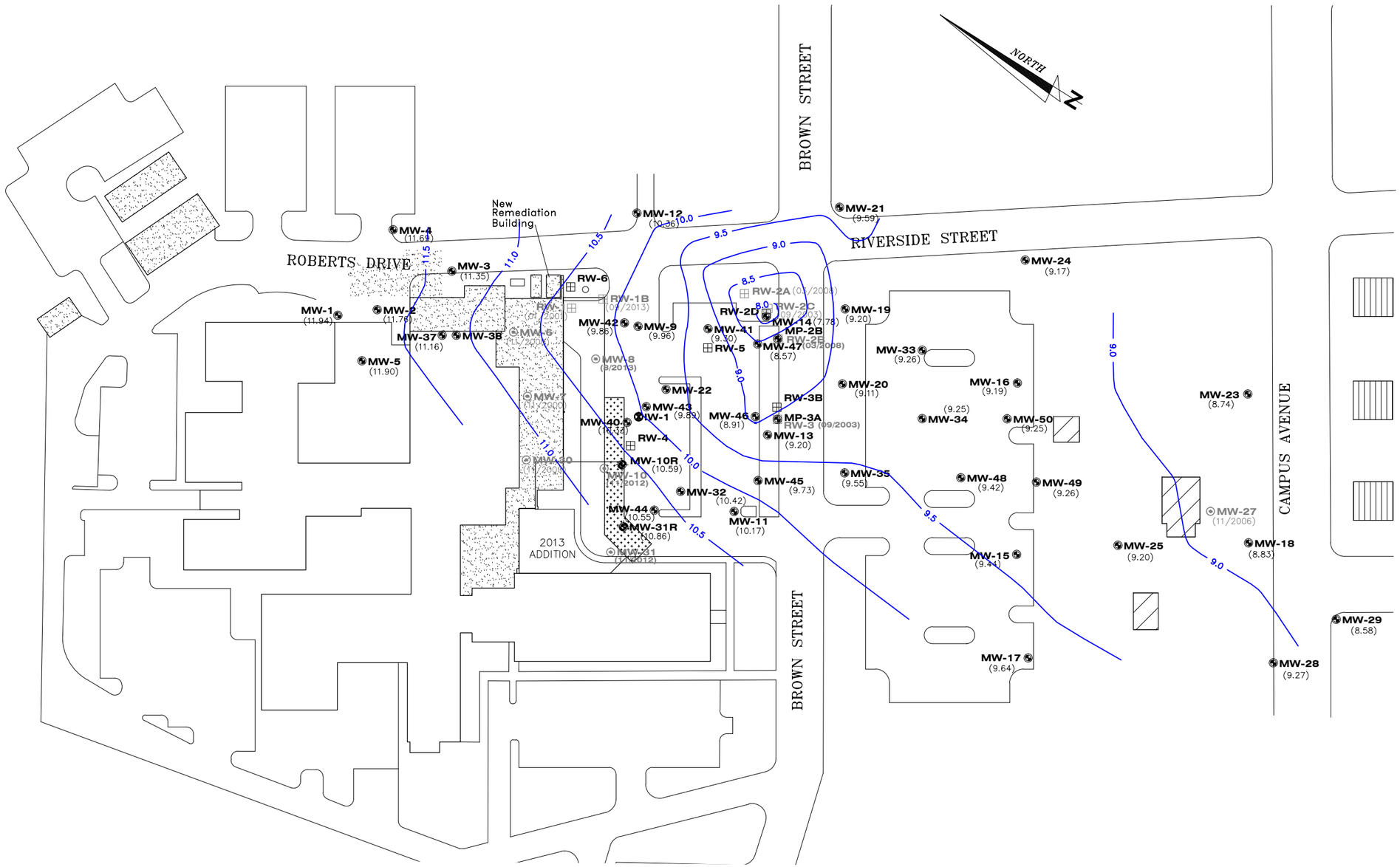
FIGURE 1
WATER TABLE CONTOUR MAP
FOR
CHESTER RIVER HOSPITAL CENTER
CHESTERTOWN, MARYLAND

PROJECT: 4070-00	SCALE: AS SHOWN
DRAWN BY: DK	DATE: 08/24/2015

EBA ENGINEERING, INC.
4813 SETON DRIVE
BALTIMORE, MD. 21215
Tel: (410) 358-7171 Fax: (410) 358-7213
www.ebaengineering.com

X:\DAN-WORK FOR OTHERS\JAMES\4070-00-00\2781-JAN 2014\2015\2781-JUL□.dwg

Figure 1 - Water table contour map July 28, 2015 - Chester River Hospital Center, Chestertown, Maryland.



LEGEND

MW-40	MONITORING WELL
RW-3B	RECOVERY WELL
IW-1	INJECTION WELL
MW-30	ABANDONED MONITORING WELL
(09/2003)	DATE OF ABANDONMENT
RW-3	ABANDONED RECOVERY WELL
(09/2003)	DATE OF ABANDONMENT
5.50	WATER TABLE CONTOUR (FT. MSL)

EXCLUDES GAUGING DATA FROM ACTIVE RECOVERY WELLS (RW-2D, RW-3B, RW-4, RW-5, RW-6, MW-22)

80 0 40 80
GRAPHIC SCALE (FEET)

FIGURE 1
WATER TABLE CONTOUR MAP
FOR
CHESTER RIVER HOSPITAL CENTER
CHESTERTOWN, MARYLAND

PROJECT:	SCALE:
4070-00	AS SHOWN
DRAWN BY:	DATE:
DK	09/11/2015

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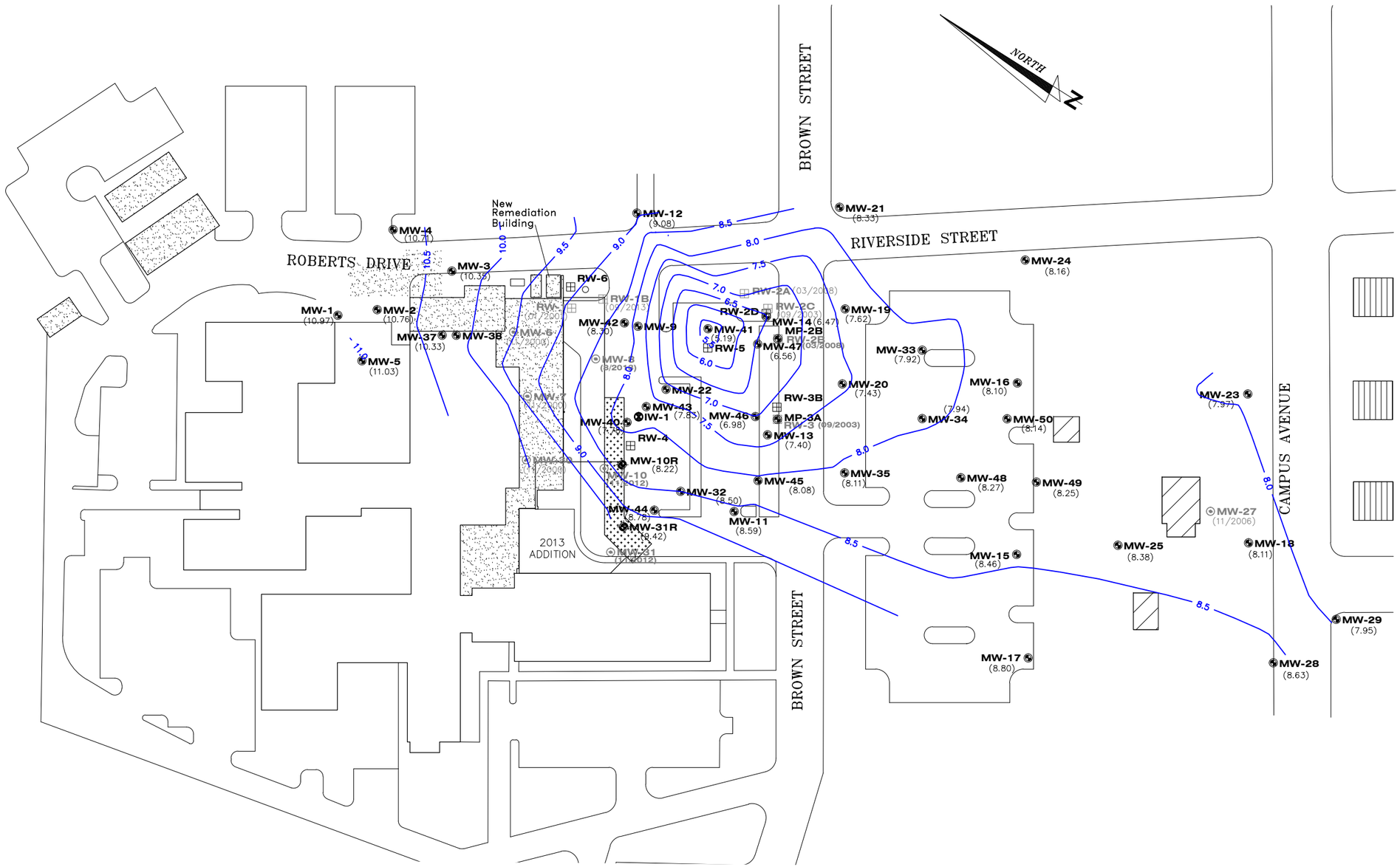
Figure 1 - Water table contour map August 19, 2015 - Chester River Hospital Center, Chestertown, Maryland.



LEGEND

MW-40	MONITORING WELL
RW-3B	RECOVERY WELL
IW-1	INJECTION WELL
MW-30	ABANDONED MONITORING WELL
(09/2003)	DATE OF ABANDONMENT
RW-3	ABANDONED RECOVERY WELL
(09/2003)	DATE OF ABANDONMENT
5.50	WATER TABLE CONTOUR (FT. MSL)

EXCLUDES GAUGING DATA FROM ACTIVE RECOVERY WELLS (RW-2D, RW-3B, RW-4, RW-5, RW-6, MW-22)

80 0 40 80

GRAPHIC SCALE (FEET)

FIGURE 1

WATER TABLE CONTOUR MAP FOR

CHESTER RIVER HOSPITAL CENTER

CHESTERTOWN, MARYLAND

PROJECT:	SCALE:
4070-00	AS SHOWN
DRAWN BY:	DATE:
DK	09/28/2015

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Figure 1 - Water table contour map September 21, 2015 - Chester River Hospital Center, Chestertown, Maryland.

FIGURE 2

Water Quality Maps of TPH-DRO & TPH-GRO - July, August, September

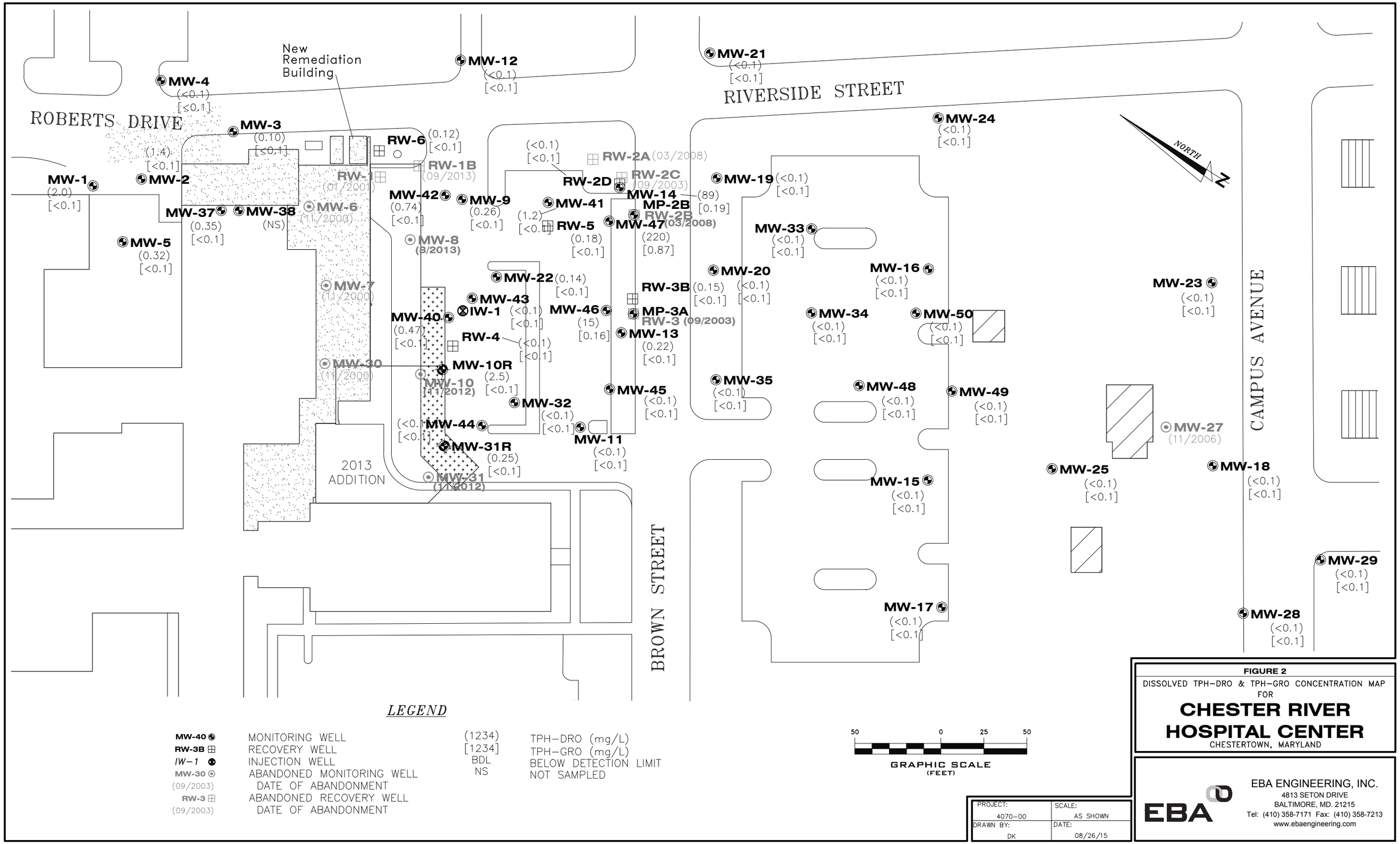


Figure 2– Site map showing total petroleum hydrocarbon (TPH) concentrations, July 30, 2015 Chester River Hospital Center, Chestertown, Maryland.

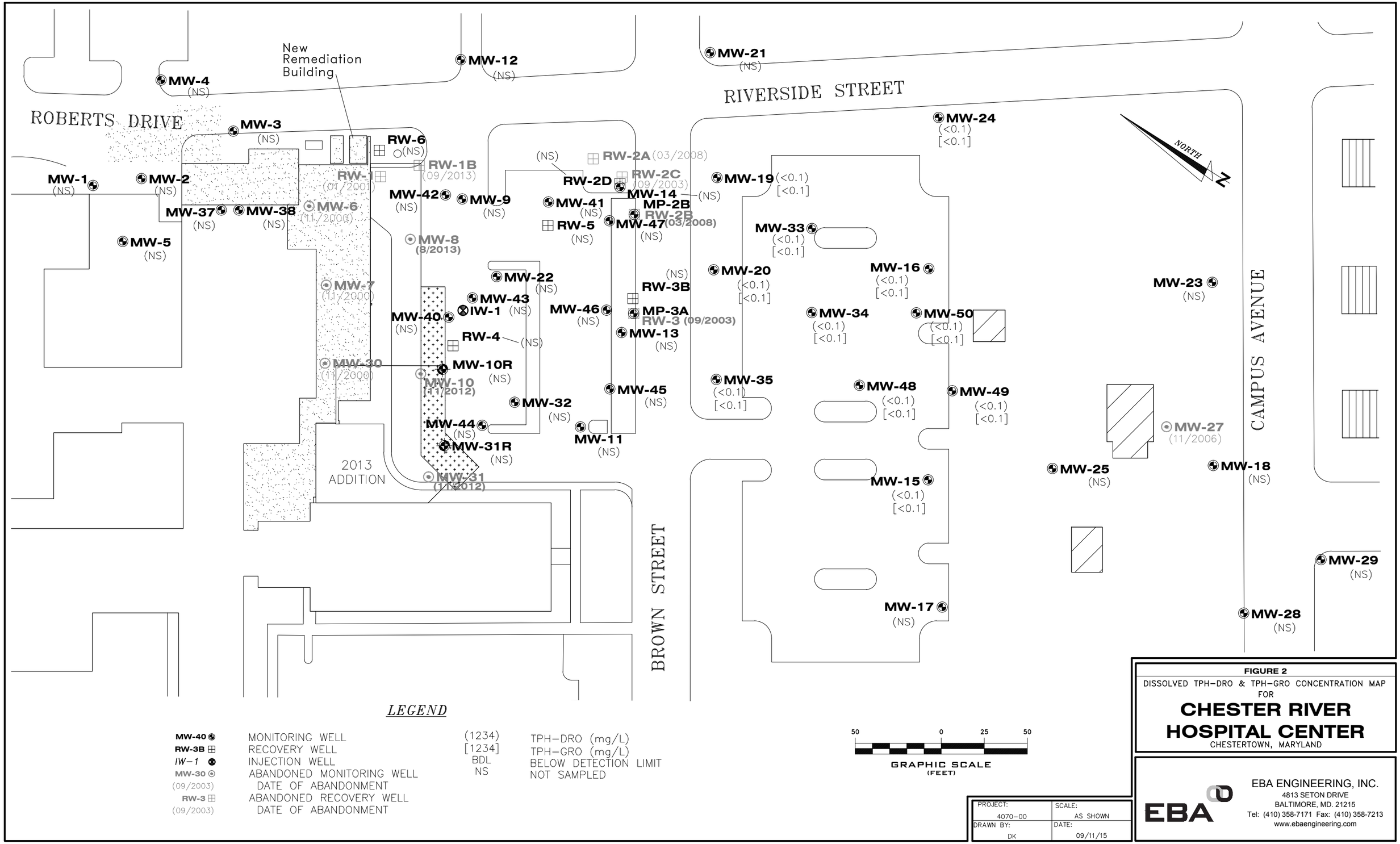


Figure 2– Site map showing total petroleum hydrocarbon (TPH) concentrations, August 20, 2015 Chester River Hospital Center, Chestertown, Maryland.

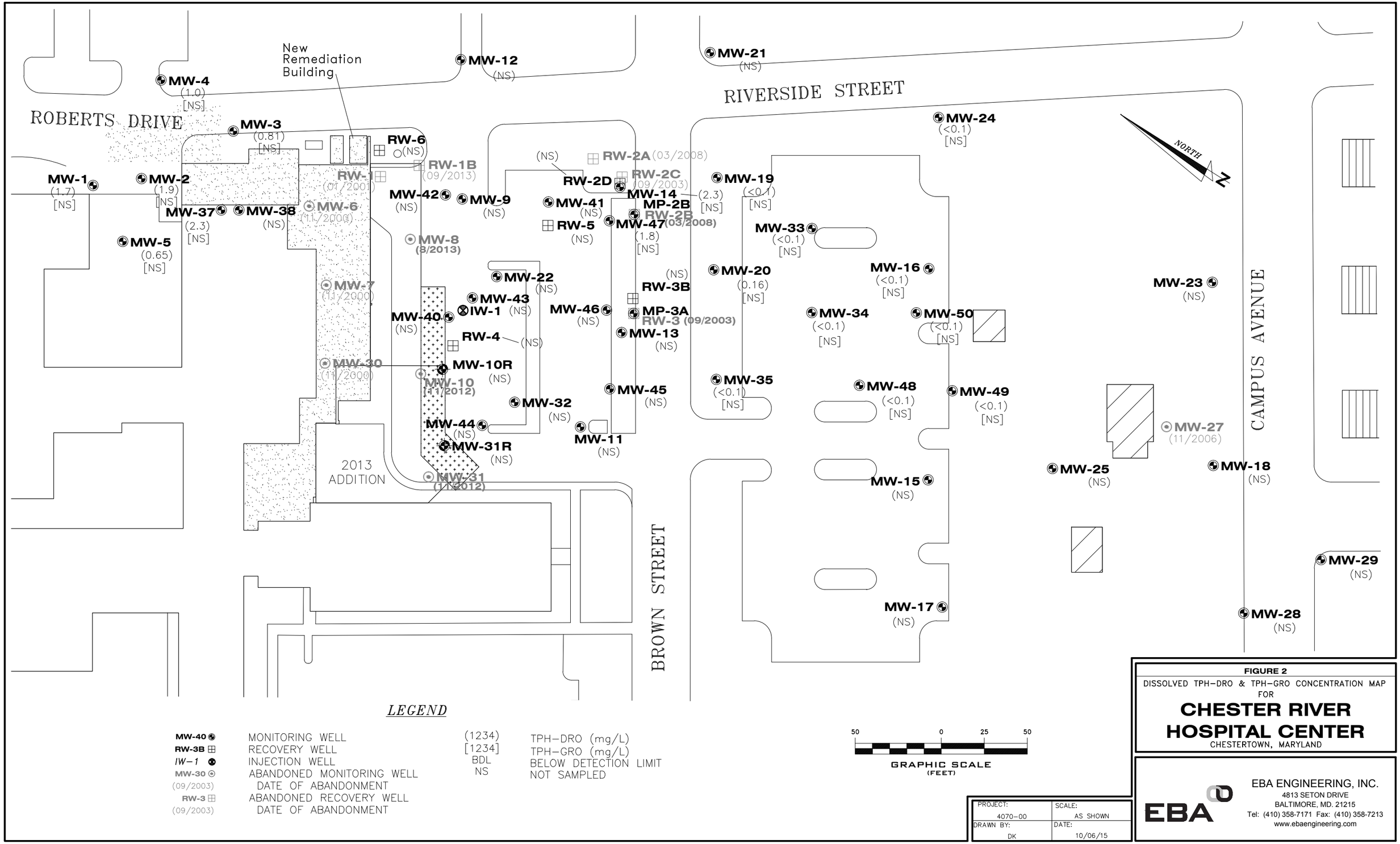
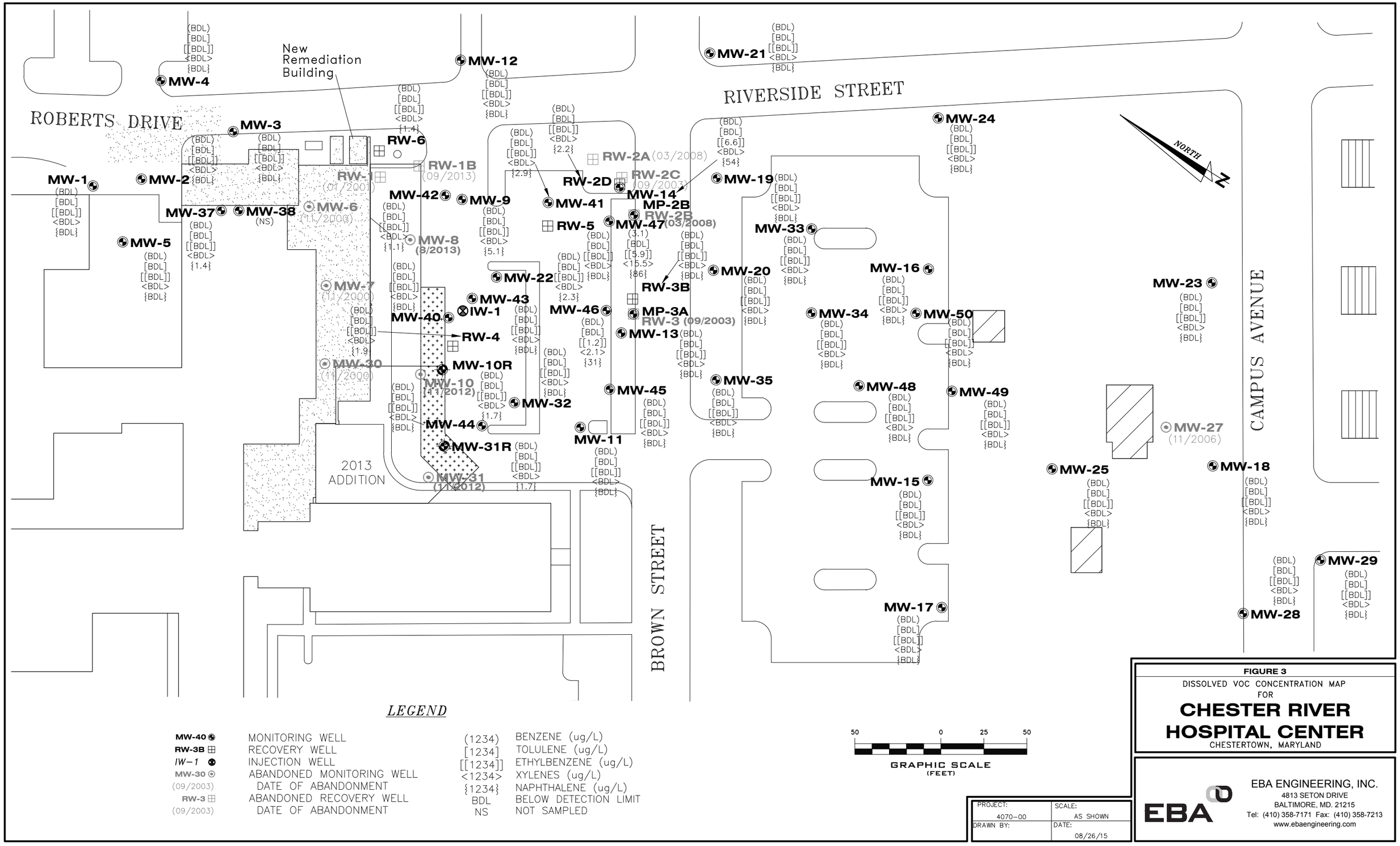


FIGURE 2
DISSOLVED TPH-DRO & TPH-GRO CONCENTRATION MAP FOR
CHESTER RIVER HOSPITAL CENTER
CHESTERTOWN, MARYLAND

Figure 2- Site map showing total petroleum hydrocarbon (TPH) concentrations, September 21 & 29, 2015 Chester River Hospital Center, Chestertown, Maryland.

FIGURE 3

Water Quality Maps of BTEX and Naphthalene - July, August



LEGEND

MW-40	MONITORING WELL	(1234)	BENZENE (ug/L)
RW-3B	RECOVERY WELL	[1234]	TOLULENE (ug/L)
IW-1	INJECTION WELL	[[1234]]	ETHYLBENZENE (ug/L)
MW-30	ABANDONED MONITORING WELL	<1234>	XYLENES (ug/L)
(09/2003)	DATE OF ABANDONMENT	{1234}	NAPHTHALENE (ug/L)
RW-3	ABANDONED RECOVERY WELL	BDL	BELOW DETECTION LIMIT
(09/2003)	DATE OF ABANDONMENT	NS	NOT SAMPLED

FIGURE 3

DISSOLVED VOC CONCENTRATION MAP FOR

CHESTER RIVER HOSPITAL CENTER

CHESTERTOWN, MARYLAND

PROJECT: 4070-00	SCALE: AS SHOWN
DRAWN BY:	DATE: 08/26/15

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Figure 3– Site map showing volatile organic compounds (VOC) concentrations, June 30, 2015 Chester River Hospital Center, Chestertown, Maryland.

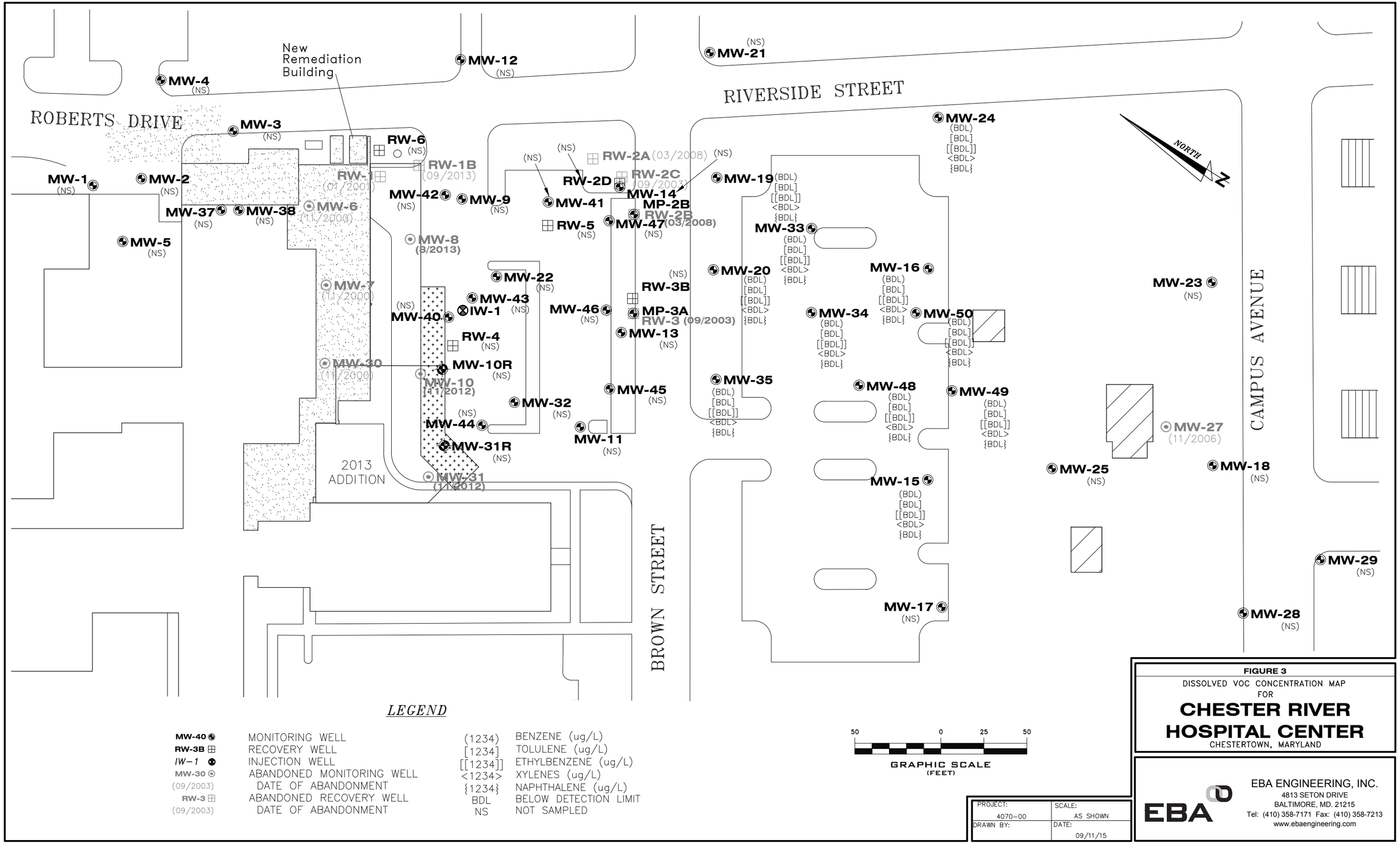

FIGURE 3
DISSOLVED VOC CONCENTRATION MAP
FOR
CHESTER RIVER HOSPITAL CENTER
CHESTERTOWN, MARYLAND

Figure 3– Site map showing volatile organic compounds (VOC) concentrations, August 20, 2015 Chester River Hospital Center, Chestertown, Maryland.

APPENDIX A

LABORATORY RESULTS

Analytical Report for

UMM Shore Regional Health at Chestertown

Certificate of Analysis No.: 15072926

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

August 6, 2015

Phase Separation Science, Inc.

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Baltimore, MD 21228
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Fax: (410) 788-8723

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PHASE SEPARATION SCIENCE, INC.

August 6, 2015

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

Reference: PSS Work Order(s) No: **15072926**
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 **15072926**.

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 September 2, 2015. 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 at Chestertown

Project Name: CRHC

Work Order Number(s): 15072926

The following samples were received under chain of custody by Phase Separation Science (PSS) on 07/29/2015 at 05:00 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
15072926-001	MW29	GROUND WATER	07/28/15 14:10
15072926-002	MW28	GROUND WATER	07/28/15 14:20
15072926-003	MW18	GROUND WATER	07/28/15 14:30
15072926-004	MW23	GROUND WATER	07/28/15 14:40
15072926-005	MW24	GROUND WATER	07/28/15 14:50
15072926-006	MW25	GROUND WATER	07/29/15 09:10
15072926-007	MW16	GROUND WATER	07/29/15 13:20
15072926-008	MW15	GROUND WATER	07/29/15 13:50
15072926-009	MW17	GROUND WATER	07/29/15 14:00
15072926-010	MW33	GROUND WATER	07/29/15 14:25
15072926-011	MW34	GROUND WATER	07/29/15 14:25
15072926-012	MW35	GROUND WATER	07/29/15 14:40
15072926-013	MW20	GROUND WATER	07/29/15 14:50

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.

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.

Sample Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15072926

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: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW29 **Date/Time Sampled: 07/28/2015 14:10** **PSS Sample ID: 15072926-001**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 20:38	1045

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	07/30/15	07/30/15 14:02	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW29 **Date/Time Sampled: 07/28/2015 14:10** **PSS Sample ID: 15072926-001**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/03/15 19:55	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/03/15 19:55	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/03/15 19:55	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/03/15 19:55	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW29 **Date/Time Sampled: 07/28/2015 14:10** **PSS Sample ID: 15072926-001**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/03/15 19:55	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/03/15 19:55	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/03/15 19:55	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/03/15 19:55	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/03/15 19:55	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/03/15 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW28 **Date/Time Sampled: 07/28/2015 14:20** **PSS Sample ID: 15072926-002**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 21:13	1045

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	07/30/15	07/30/15 14:28	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW28 **Date/Time Sampled: 07/28/2015 14:20** **PSS Sample ID: 15072926-002**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/04/15	08/04/15 13:03	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 13:03	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/04/15 13:03	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 13:03	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW28 **Date/Time Sampled: 07/28/2015 14:20** **PSS Sample ID: 15072926-002**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/04/15	08/04/15 13:03	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 13:03	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/04/15 13:03	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/04/15 13:03	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/04/15 13:03	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:03	1011

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW18 **Date/Time Sampled: 07/28/2015 14:30** **PSS Sample ID: 15072926-003**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 21:47	1045

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	07/30/15	07/30/15 14:53	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW18 **Date/Time Sampled: 07/28/2015 14:30** **PSS Sample ID: 15072926-003**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 01:56	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 01:56	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 01:56	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 01:56	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW18 **Date/Time Sampled: 07/28/2015 14:30** **PSS Sample ID: 15072926-003**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 01:56	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 01:56	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 01:56	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 01:56	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 01:56	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 01:56	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW23 **Date/Time Sampled: 07/28/2015 14:40** **PSS Sample ID: 15072926-004**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 22:22	1045

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	07/30/15	07/30/15 15:18	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW23 **Date/Time Sampled: 07/28/2015 14:40** **PSS Sample ID: 15072926-004**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 04:19	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 04:19	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 04:19	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 04:19	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW23 **Date/Time Sampled: 07/28/2015 14:40** **PSS Sample ID: 15072926-004**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 04:19	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 04:19	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 04:19	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 04:19	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 04:19	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:19	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 07/28/2015 14:50** **PSS Sample ID: 15072926-005**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 22:22	1045

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	07/30/15	07/30/15 15:44	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 07/28/2015 14:50** **PSS Sample ID: 15072926-005**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 04:54	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 04:54	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 04:54	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 04:54	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 07/28/2015 14:50** **PSS Sample ID: 15072926-005**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 04:54	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 04:54	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 04:54	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 04:54	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 04:54	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 04:54	1011

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW25 **Date/Time Sampled: 07/29/2015 09:10** **PSS Sample ID: 15072926-006**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 22:56	1045

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	07/30/15	07/30/15 16:09	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW25 **Date/Time Sampled: 07/29/2015 09:10** **PSS Sample ID: 15072926-006**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 05:30	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 05:30	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 05:30	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 05:30	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW25 **Date/Time Sampled: 07/29/2015 09:10** **PSS Sample ID: 15072926-006**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 05:30	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 05:30	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 05:30	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 05:30	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 05:30	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 05:30	1011

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 07/29/2015 13:20** **PSS Sample ID: 15072926-007**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 22:56	1045

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	07/30/15	07/30/15 16:35	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 07/29/2015 13:20** **PSS Sample ID: 15072926-007**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 06:06	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 06:06	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 06:06	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 06:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 07/29/2015 13:20** **PSS Sample ID: 15072926-007**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 06:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 06:06	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 06:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 06:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 06:06	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 07/29/2015 13:50** **PSS Sample ID: 15072926-008**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 23:31	1045

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	07/30/15	07/30/15 17:01	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 07/29/2015 13:50** **PSS Sample ID: 15072926-008**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 06:41	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 06:41	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 06:41	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 06:41	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 07/29/2015 13:50** **PSS Sample ID: 15072926-008**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 06:41	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 06:41	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 06:41	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 06:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 06:41	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 06:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW17 **Date/Time Sampled: 07/29/2015 14:00** **PSS Sample ID: 15072926-009**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/06/15 02:22	1045

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	07/30/15	07/30/15 17:26	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW17 **Date/Time Sampled: 07/29/2015 14:00** **PSS Sample ID: 15072926-009**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 07:17	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 07:17	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 07:17	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 07:17	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW17 **Date/Time Sampled: 07/29/2015 14:00** **PSS Sample ID: 15072926-009**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 07:17	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 07:17	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 07:17	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 07:17	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 07:17	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:17	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-010**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/05/15 23:31	1045

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	07/30/15	07/30/15 17:52	1035

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CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-010**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 07:52	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 07:52	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 07:52	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 07:52	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Chloroform	**1.2**	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-010**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 07:52	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 07:52	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 07:52	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 07:52	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 07:52	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 07:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-011**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/06/15 00:05	1045

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	07/30/15	07/30/15 18:18	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-011**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 08:28	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 08:28	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 08:28	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 08:28	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 07/29/2015 14:25** **PSS Sample ID: 15072926-011**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 08:28	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 08:28	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 08:28	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 08:28	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 08:28	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 08:28	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 07/29/2015 14:40** **PSS Sample ID: 15072926-012**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/06/15 00:05	1045

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	07/30/15	07/30/15 18:43	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 07/29/2015 14:40** **PSS Sample ID: 15072926-012**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 09:04	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 09:04	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Benzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Bromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Bromoform	ND	ug/L	5.0		1	08/03/15	08/04/15 09:04	1011
Bromomethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/03/15	08/04/15 09:04	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Carbon Disulfide	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Chlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Chloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Chloroform	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Chloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Cyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 07/29/2015 14:40** **PSS Sample ID: 15072926-012**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/03/15	08/04/15 09:04	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Diisopropyl ether	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Ethylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
2-Hexanone	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Methyl Acetate	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Methylcyclohexane	ND	ug/L	10		1	08/03/15	08/04/15 09:04	1011
Methylene Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/03/15	08/04/15 09:04	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Naphthalene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Styrene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Toluene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Trichloroethene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/03/15	08/04/15 09:04	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/03/15	08/04/15 09:04	1011
o-Xylene	ND	ug/L	1.0		1	08/03/15	08/04/15 09:04	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 07/29/2015 14:50** **PSS Sample ID: 15072926-013**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	07/31/15	08/06/15 00:39	1045

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	07/30/15	07/30/15 19:09	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 07/29/2015 14:50** **PSS Sample ID: 15072926-013**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/04/15	08/04/15 13:38	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 13:38	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/04/15 13:38	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 13:38	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15072926

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 07/29/2015 14:50** **PSS Sample ID: 15072926-013**
Matrix: GROUND WATER **Date/Time Received: 07/29/2015 17:00**

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	08/04/15	08/04/15 13:38	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 13:38	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/04/15 13:38	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/04/15 13:38	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/04/15 13:38	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/04/15 13:38	1011

Case Narrative Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15072926

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): 15072926
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW29	Initial	15072926-001	1045	W	56583	124900	07/28/2015	07/31/2015 11:21	08/05/2015 20:38
	MW28	Initial	15072926-002	1045	W	56583	124900	07/28/2015	07/31/2015 11:21	08/05/2015 21:13
	MW18	Initial	15072926-003	1045	W	56583	124900	07/28/2015	07/31/2015 11:21	08/05/2015 21:47
	MW23	Initial	15072926-004	1045	W	56583	124900	07/28/2015	07/31/2015 11:21	08/05/2015 22:22
	MW24	Initial	15072926-005	1045	W	56583	124900	07/28/2015	07/31/2015 11:21	08/05/2015 22:22
	MW25	Initial	15072926-006	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/05/2015 22:56
	MW16	Initial	15072926-007	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/05/2015 22:56
	MW15	Initial	15072926-008	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/05/2015 23:31
	MW17	Initial	15072926-009	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/06/2015 02:22
	MW33	Initial	15072926-010	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/05/2015 23:31
	MW34	Initial	15072926-011	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/06/2015 00:05
	MW35	Initial	15072926-012	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/06/2015 00:05
	MW20	Initial	15072926-013	1045	W	56583	124900	07/29/2015	07/31/2015 11:21	08/06/2015 00:39
	56583-1-BKS	BKS	56583-1-BKS	1045	W	56583	124900	--------	07/31/2015 11:21	08/05/2015 21:13
	56583-1-BLK	BLK	56583-1-BLK	1045	W	56583	124900	--------	07/31/2015 11:21	08/05/2015 20:38
	56583-1-BSD	BSD	56583-1-BSD	1045	W	56583	124900	--------	07/31/2015 11:21	08/05/2015 21:47
SW-846 8015C	MW29	Initial	15072926-001	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 14:02
	MW28	Initial	15072926-002	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 14:28
	MW18	Initial	15072926-003	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 14:53
	MW23	Initial	15072926-004	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 15:18
	MW24	Initial	15072926-005	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 15:44
	MW25	Initial	15072926-006	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 16:09
	MW16	Initial	15072926-007	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 16:35
	MW15	Initial	15072926-008	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 17:01
	MW17	Initial	15072926-009	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 17:26
	MW33	Initial	15072926-010	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 17:52
	MW34	Initial	15072926-011	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 18:18
	MW35	Initial	15072926-012	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 18:43
	MW20	Initial	15072926-013	1035	W	56577	124715	07/29/2015	07/30/2015 10:05	07/30/2015 19:09

Analytical Data Package Information Summary

Work Order(s): 15072926
Report Prepared For: UMM Shore Regional Health at Chestertown,
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 8015C	56577-2-BKS	BKS	56577-2-BKS	1035	W	56577	124715	--------	07/30/2015 10:05	07/30/2015 11:29
	56577-2-BLK	BLK	56577-2-BLK	1035	W	56577	124715	--------	07/30/2015 10:05	07/30/2015 11:03
	MW29 S	MS	15072926-001 S	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 21:16
	MW29 SD	MSD	15072926-001 SD	1035	W	56577	124715	07/28/2015	07/30/2015 10:05	07/30/2015 21:41
SW-846 8260 B	MW29	Initial	15072926-001	1011	W	56634	124799	07/28/2015	08/03/2015 08:31	08/03/2015 19:55
	56634-1-BKS	BKS	56634-1-BKS	1011	W	56634	124799	--------	08/03/2015 08:31	08/03/2015 10:55
	56634-1-BLK	BLK	56634-1-BLK	1011	W	56634	124799	--------	08/03/2015 08:31	08/03/2015 12:06
	GTA-1-GW S	MS	15073003-005 S	1011	W	56634	124799	07/29/2015	08/03/2015 08:31	08/03/2015 16:01
	GTA-1-GW SD	MSD	15073003-005 SD	1011	W	56634	124799	07/29/2015	08/03/2015 08:31	08/03/2015 16:40
	MW18	Initial	15072926-003	1011	W	56636	124801	07/28/2015	08/03/2015 22:20	08/04/2015 01:56
	MW23	Initial	15072926-004	1011	W	56636	124801	07/28/2015	08/03/2015 22:20	08/04/2015 04:19
	MW24	Initial	15072926-005	1011	W	56636	124801	07/28/2015	08/03/2015 22:20	08/04/2015 04:54
	MW25	Initial	15072926-006	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 05:30
	MW16	Initial	15072926-007	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 06:06
	MW15	Initial	15072926-008	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 06:41
	MW17	Initial	15072926-009	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 07:17
	MW33	Initial	15072926-010	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 07:52
	MW34	Initial	15072926-011	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 08:28
	MW35	Initial	15072926-012	1011	W	56636	124801	07/29/2015	08/03/2015 22:20	08/04/2015 09:04
	56636-1-BKS	BKS	56636-1-BKS	1011	W	56636	124801	--------	08/03/2015 22:20	08/04/2015 00:08
	56636-1-BLK	BLK	56636-1-BLK	1011	W	56636	124801	--------	08/03/2015 22:20	08/04/2015 01:20
	MW18 S	MS	15072926-003 S	1011	W	56636	124801	07/28/2015	08/03/2015 22:20	08/04/2015 02:32
	MW18 SD	MSD	15072926-003 SD	1011	W	56636	124801	07/28/2015	08/03/2015 22:20	08/04/2015 03:07
	MW28	Initial	15072926-002	1011	W	56653	124843	07/28/2015	08/04/2015 09:42	08/04/2015 13:03
	MW20	Initial	15072926-013	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 13:38
	56653-1-BKS	BKS	56653-1-BKS	1011	W	56653	124843	--------	08/04/2015 09:42	08/04/2015 11:16
	56653-1-BLK	BLK	56653-1-BLK	1011	W	56653	124843	--------	08/04/2015 09:42	08/04/2015 12:28
	MW20 S	MS	15072926-013 S	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 15:23
	MW20 SD	MSD	15072926-013 SD	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 15:57

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	85		37-136	%	08/05/15 20:38

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 14:02

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124799 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	106		81-133	%	08/03/15 19:55
Dibromofluoromethane	107		84-110	%	08/03/15 19:55
Toluene-D8	103		94-109	%	08/03/15 19:55

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	08/05/15 21:13

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/30/15 14:28

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15072926-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/04/15 13:03
Dibromofluoromethane	107		84-110	%	08/04/15 13:03
Toluene-D8	104		94-109	%	08/04/15 13:03

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	08/05/15 21:47

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	84		65-111	%	07/30/15 14:53

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/04/15 01:56
Dibromofluoromethane	107		84-110	%	08/04/15 01:56
Toluene-D8	104		94-109	%	08/04/15 01:56

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	91		37-136	%	08/05/15 22:22

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	84		65-111	%	07/30/15 15:18

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/04/15 04:19
Dibromofluoromethane	107		84-110	%	08/04/15 04:19
Toluene-D8	103		94-109	%	08/04/15 04:19

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	08/05/15 22:22

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 15:44

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/04/15 04:54
Dibromofluoromethane	107		84-110	%	08/04/15 04:54
Toluene-D8	104		94-109	%	08/04/15 04:54

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	88		37-136	%	08/05/15 22:56

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 16:09

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/04/15 05:30
Dibromofluoromethane	106		84-110	%	08/04/15 05:30
Toluene-D8	103		94-109	%	08/04/15 05:30

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	84		37-136	%	08/05/15 22:56

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/30/15 16:35

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/04/15 06:06
Dibromofluoromethane	107		84-110	%	08/04/15 06:06
Toluene-D8	102		94-109	%	08/04/15 06:06

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	87		37-136	%	08/05/15 23:31

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 17:01

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		81-133	%	08/04/15 06:41
Dibromofluoromethane	107		84-110	%	08/04/15 06:41
Toluene-D8	104		94-109	%	08/04/15 06:41

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	89		37-136	%	08/06/15 02:22

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/30/15 17:26

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/04/15 07:17
Dibromofluoromethane	107		84-110	%	08/04/15 07:17
Toluene-D8	103		94-109	%	08/04/15 07:17

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	82		37-136	%	08/05/15 23:31

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 17:52

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/04/15 07:52
Dibromofluoromethane	107		84-110	%	08/04/15 07:52
Toluene-D8	103		94-109	%	08/04/15 07:52

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QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		37-136	%	08/06/15 00:05

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/30/15 18:18

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/04/15 08:28
Dibromofluoromethane	107		84-110	%	08/04/15 08:28
Toluene-D8	103		94-109	%	08/04/15 08:28

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	74		37-136	%	08/06/15 00:05

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/30/15 18:43

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15072926-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/04/15 09:04
Dibromofluoromethane	108		84-110	%	08/04/15 09:04
Toluene-D8	104		94-109	%	08/04/15 09:04

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15072926-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	83		37-136	%	08/06/15 00:39

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/2015
PSS Sample ID: 15072926-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/30/15 19:09

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15072926-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/04/15 13:38
Dibromofluoromethane	107		84-110	%	08/04/15 13:38
Toluene-D8	104		94-109	%	08/04/15 13:38

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 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124900 Matrix: Water Date Prep: 07/31/15
MB Sample Id: 56583-1-BLK LCS Sample Id: 56583-1-BKS LCSD Sample Id: 56583-1-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	0.9858	99	0.8568	86	61-119	14	20	mg/L	08/05/15 21:13	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	104		100		86		37-136	%	08/05/15 21:13

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Water Date Prep: 07/30/15
MB Sample Id: 56577-2-BLK LCS Sample Id: 56577-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organic:	<100	5000	4673	93	61-138	ug/L	07/30/15 11:29	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		90		65-111	%	07/30/15 11:29

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124715 Matrix: Ground Water Date Prep: 07/30/15
Parent Sample Id: 15072926-001 MS Sample Id: 15072926-001 S MSD Sample Id: 15072926-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organic:	<100	5000	4788	96	4650	93	58-136	3	25	ug/L	07/30/15 21:16	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	87		87		65-111	%	07/30/15 21:16

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124799 Matrix: Water Date Prep: 08/03/15
MB Sample Id: 56634-1-BLK LCS Sample Id: 56634-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	41.07	82	53-146	ug/L	08/03/15 10:55	
tert-Amyl alcohol	<20.00	50.00	64.66	129	27-139	ug/L	08/03/15 10:55	
tert-Amyl ethyl ether	<10.00	50.00	54.65	109	60-121	ug/L	08/03/15 10:55	
tert-Amyl methyl ether	<10.00	50.00	56.33	113	61-129	ug/L	08/03/15 10:55	
Benzene	<1.000	50.00	52.74	105	77-122	ug/L	08/03/15 10:55	
Bromochloromethane	<1.000	50.00	55.61	111	71-122	ug/L	08/03/15 10:55	
Bromodichloromethane	<1.000	50.00	56.08	112	76-122	ug/L	08/03/15 10:55	
Bromoform	<5.000	50.00	51.31	103	69-115	ug/L	08/03/15 10:55	
Bromomethane	<1.000	50.00	44.08	88	40-147	ug/L	08/03/15 10:55	
tert-Butyl alcohol	<20.00	50.00	54.44	109	15-150	ug/L	08/03/15 10:55	
2-Butanone (MEK)	<10.00	50.00	49.73	99	56-133	ug/L	08/03/15 10:55	
tert-Butyl ethyl ether	<10.00	50.00	57.24	114	62-137	ug/L	08/03/15 10:55	
Carbon Disulfide	<10.00	50.00	53.08	106	62-134	ug/L	08/03/15 10:55	
Carbon Tetrachloride	<1.000	50.00	53.19	106	74-127	ug/L	08/03/15 10:55	
Chlorobenzene	<1.000	50.00	50.88	102	76-116	ug/L	08/03/15 10:55	
Chloroethane	<1.000	50.00	44.23	88	59-132	ug/L	08/03/15 10:55	
Chloroform	<1.000	50.00	53.70	107	71-118	ug/L	08/03/15 10:55	
Chloromethane	<1.000	50.00	39.90	80	62-131	ug/L	08/03/15 10:55	
Cyclohexane	<10.00	50.00	49.35	99	46-150	ug/L	08/03/15 10:55	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	56.58	113	59-135	ug/L	08/03/15 10:55	
Dibromochloromethane	<1.000	50.00	46.33	93	75-114	ug/L	08/03/15 10:55	
1,2-Dibromoethane (EDB)	<1.000	50.00	54.54	109	78-121	ug/L	08/03/15 10:55	
1,2-Dichlorobenzene	<1.000	50.00	53.26	107	80-122	ug/L	08/03/15 10:55	
1,3-Dichlorobenzene	<1.000	50.00	51.77	104	80-122	ug/L	08/03/15 10:55	
1,4-Dichlorobenzene	<1.000	50.00	50.50	101	77-118	ug/L	08/03/15 10:55	
Dichlorodifluoromethane	<1.000	50.00	41.39	83	54-139	ug/L	08/03/15 10:55	
1,1-Dichloroethane	<1.000	50.00	51.89	104	51-136	ug/L	08/03/15 10:55	
1,2-Dichloroethane	<1.000	50.00	53.58	107	64-130	ug/L	08/03/15 10:55	
1,1-Dichloroethene	<1.000	50.00	47.08	94	59-123	ug/L	08/03/15 10:55	
cis-1,2-Dichloroethene	<1.000	50.00	55.72	111	77-119	ug/L	08/03/15 10:55	
1,2-Dichloropropane	<1.000	50.00	51.97	104	75-125	ug/L	08/03/15 10:55	
cis-1,3-Dichloropropene	<1.000	50.00	51.69	103	74-123	ug/L	08/03/15 10:55	
trans-1,3-Dichloropropene	<1.000	50.00	52.50	105	73-116	ug/L	08/03/15 10:55	
trans-1,2-Dichloroethene	<1.000	50.00	54.21	108	58-134	ug/L	08/03/15 10:55	
Diisopropyl ether	<10.00	50.00	53.77	108	48-146	ug/L	08/03/15 10:55	
Ethylbenzene	<1.000	50.00	51.68	103	79-122	ug/L	08/03/15 10:55	
2-Hexanone	<10.00	50.00	48.50	97	56-134	ug/L	08/03/15 10:55	
Isopropylbenzene	<1.000	50.00	52.53	105	80-128	ug/L	08/03/15 10:55	
Methyl Acetate	<10.00	50.00	51.09	102	47-145	ug/L	08/03/15 10:55	
Methylcyclohexane	<10.00	50.00	52.48	105	61-155	ug/L	08/03/15 10:55	
Methylene Chloride	<1.000	50.00	52.71	105	61-126	ug/L	08/03/15 10:55	
4-Methyl-2-Pentanone	<5.000	50.00	47.20	94	45-145	ug/L	08/03/15 10:55	
Methyl-t-butyl ether	<1.000	50.00	58.68	117	30-168	ug/L	08/03/15 10:55	
Naphthalene	<1.000	50.00	53.99	108	46-154	ug/L	08/03/15 10:55	
Styrene	<1.000	50.00	47.81	96	73-118	ug/L	08/03/15 10:55	
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.76	108	71-126	ug/L	08/03/15 10:55	
Tetrachloroethene	<1.000	50.00	53.39	107	78-113	ug/L	08/03/15 10:55	
Toluene	<1.000	50.00	53.94	108	77-123	ug/L	08/03/15 10:55	
1,2,3-Trichlorobenzene	<1.000	50.00	54.46	109	66-140	ug/L	08/03/15 10:55	
1,2,4-Trichlorobenzene	<1.000	50.00	53.76	108	72-143	ug/L	08/03/15 10:55	
1,1,1-Trichloroethane	<1.000	50.00	52.18	104	66-133	ug/L	08/03/15 10:55	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

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

Seq Number: 124799 Matrix: Water Date Prep: 08/03/15

MB Sample Id: 56634-1-BLK LCS Sample Id: 56634-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	56.29	113	72-128	ug/L	08/03/15 10:55	
Trichloroethene	<1.000	50.00	52.93	106	72-127	ug/L	08/03/15 10:55	
Trichlorofluoromethane	<5.000	50.00	49.04	98	45-130	ug/L	08/03/15 10:55	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	38.33	77	56-126	ug/L	08/03/15 10:55	
Vinyl Chloride	<1.000	50.00	42.33	85	64-132	ug/L	08/03/15 10:55	
m,p-Xylenes	<2.000	100	102.9	103	78-119	ug/L	08/03/15 10:55	
o-Xylene	<1.000	50.00	48.36	97	79-123	ug/L	08/03/15 10:55	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		98		81-133	%	08/03/15 10:55
Dibromofluoromethane	105		106		84-110	%	08/03/15 10:55
Toluene-D8	103		102		94-109	%	08/03/15 10:55

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Water Date Prep: 08/03/15
MB Sample Id: 56636-1-BLK LCS Sample Id: 56636-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	62.07	124	53-146	ug/L	08/04/15 00:08	
tert-Amyl alcohol	<20.00	50.00	75.42	151	27-139	ug/L	08/04/15 00:08	H
tert-Amyl ethyl ether	<10.00	50.00	56.95	114	60-121	ug/L	08/04/15 00:08	
tert-Amyl methyl ether	<10.00	50.00	60.81	122	61-129	ug/L	08/04/15 00:08	
Benzene	<1.000	50.00	58.33	117	77-122	ug/L	08/04/15 00:08	
Bromochloromethane	<1.000	50.00	61.16	122	71-122	ug/L	08/04/15 00:08	
Bromodichloromethane	<1.000	50.00	61.35	123	76-122	ug/L	08/04/15 00:08	H
Bromoform	<5.000	50.00	55.99	112	69-115	ug/L	08/04/15 00:08	
Bromomethane	<1.000	50.00	47.85	96	40-147	ug/L	08/04/15 00:08	
tert-Butyl alcohol	<20.00	50.00	61.87	124	15-150	ug/L	08/04/15 00:08	
2-Butanone (MEK)	<10.00	50.00	62.72	125	56-133	ug/L	08/04/15 00:08	
tert-Butyl ethyl ether	<10.00	50.00	60.84	122	62-137	ug/L	08/04/15 00:08	
Carbon Disulfide	<10.00	50.00	55.63	111	62-134	ug/L	08/04/15 00:08	
Carbon Tetrachloride	<1.000	50.00	56.58	113	74-127	ug/L	08/04/15 00:08	
Chlorobenzene	<1.000	50.00	55.20	110	76-116	ug/L	08/04/15 00:08	
Chloroethane	<1.000	50.00	49.16	98	59-132	ug/L	08/04/15 00:08	
Chloroform	<1.000	50.00	57.55	115	71-118	ug/L	08/04/15 00:08	
Chloromethane	<1.000	50.00	45.60	91	62-131	ug/L	08/04/15 00:08	
Cyclohexane	<10.00	50.00	53.18	106	46-150	ug/L	08/04/15 00:08	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	62.56	125	59-135	ug/L	08/04/15 00:08	
Dibromochloromethane	<1.000	50.00	50.24	100	75-114	ug/L	08/04/15 00:08	
1,2-Dibromoethane (EDB)	<1.000	50.00	59.91	120	78-121	ug/L	08/04/15 00:08	
1,2-Dichlorobenzene	<1.000	50.00	57.83	116	80-122	ug/L	08/04/15 00:08	
1,3-Dichlorobenzene	<1.000	50.00	55.59	111	80-122	ug/L	08/04/15 00:08	
1,4-Dichlorobenzene	<1.000	50.00	53.73	107	77-118	ug/L	08/04/15 00:08	
Dichlorodifluoromethane	<1.000	50.00	35.69	71	54-139	ug/L	08/04/15 00:08	
1,1-Dichloroethane	<1.000	50.00	56.93	114	51-136	ug/L	08/04/15 00:08	
1,2-Dichloroethane	<1.000	50.00	58.71	117	64-130	ug/L	08/04/15 00:08	
1,1-Dichloroethene	<1.000	50.00	51.41	103	59-123	ug/L	08/04/15 00:08	
cis-1,2-Dichloroethene	<1.000	50.00	59.60	119	77-119	ug/L	08/04/15 00:08	
1,2-Dichloropropane	<1.000	50.00	57.36	115	75-125	ug/L	08/04/15 00:08	
cis-1,3-Dichloropropene	<1.000	50.00	51.60	103	74-123	ug/L	08/04/15 00:08	
trans-1,3-Dichloropropene	<1.000	50.00	52.51	105	73-116	ug/L	08/04/15 00:08	
trans-1,2-Dichloroethene	<1.000	50.00	57.57	115	58-134	ug/L	08/04/15 00:08	
Diisopropyl ether	<10.00	50.00	57.42	115	48-146	ug/L	08/04/15 00:08	
Ethylbenzene	<1.000	50.00	55.57	111	79-122	ug/L	08/04/15 00:08	
2-Hexanone	<10.00	50.00	60.85	122	56-134	ug/L	08/04/15 00:08	
Isopropylbenzene	<1.000	50.00	55.83	112	80-128	ug/L	08/04/15 00:08	
Methyl Acetate	<10.00	50.00	57.48	115	47-145	ug/L	08/04/15 00:08	
Methylcyclohexane	<10.00	50.00	55.13	110	61-155	ug/L	08/04/15 00:08	
Methylene Chloride	<1.000	50.00	57.20	114	61-126	ug/L	08/04/15 00:08	
4-Methyl-2-Pentanone	<5.000	50.00	60.63	121	45-145	ug/L	08/04/15 00:08	
Methyl-t-butyl ether	<1.000	50.00	63.38	127	30-168	ug/L	08/04/15 00:08	
Naphthalene	<1.000	50.00	58.18	116	46-154	ug/L	08/04/15 00:08	
Styrene	<1.000	50.00	50.68	101	73-118	ug/L	08/04/15 00:08	
1,1,2,2-Tetrachloroethane	<1.000	50.00	59.60	119	71-126	ug/L	08/04/15 00:08	
Tetrachloroethene	<1.000	50.00	57.03	114	78-113	ug/L	08/04/15 00:08	H
Toluene	<1.000	50.00	59.08	118	77-123	ug/L	08/04/15 00:08	
1,2,3-Trichlorobenzene	<1.000	50.00	59.91	120	66-140	ug/L	08/04/15 00:08	
1,2,4-Trichlorobenzene	<1.000	50.00	55.74	111	72-143	ug/L	08/04/15 00:08	
1,1,1-Trichloroethane	<1.000	50.00	56.76	114	66-133	ug/L	08/04/15 00:08	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Water Date Prep: 08/03/15
MB Sample Id: 56636-1-BLK LCS Sample Id: 56636-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	63.98	128	72-128	ug/L	08/04/15 00:08	
Trichloroethene	<1.000	50.00	58.78	118	72-127	ug/L	08/04/15 00:08	
Trichlorofluoromethane	<5.000	50.00	52.74	105	45-130	ug/L	08/04/15 00:08	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	50.80	102	56-126	ug/L	08/04/15 00:08	
Vinyl Chloride	<1.000	50.00	47.92	96	64-132	ug/L	08/04/15 00:08	
m,p-Xylenes	<2.000	100	111.4	111	78-119	ug/L	08/04/15 00:08	
o-Xylene	<1.000	50.00	48.90	98	79-123	ug/L	08/04/15 00:08	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		96		81-133	%	08/04/15 00:08
Dibromofluoromethane	106		106		84-110	%	08/04/15 00:08
Toluene-D8	103		103		94-109	%	08/04/15 00:08

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56653-1-BLK LCS Sample Id: 56653-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	51.78	104	53-146	ug/L	08/04/15 11:16	
tert-Amyl alcohol	<20.00	50.00	54.48	109	27-139	ug/L	08/04/15 11:16	
tert-Amyl ethyl ether	<10.00	50.00	50.04	100	60-121	ug/L	08/04/15 11:16	
tert-Amyl methyl ether	<10.00	50.00	53.54	107	61-129	ug/L	08/04/15 11:16	
Benzene	<1.000	50.00	63.59	127	77-122	ug/L	08/04/15 11:16	H
Bromochloromethane	<1.000	50.00	57.27	115	71-122	ug/L	08/04/15 11:16	
Bromodichloromethane	<1.000	50.00	57.22	114	76-122	ug/L	08/04/15 11:16	
Bromoform	<5.000	50.00	51.67	103	69-115	ug/L	08/04/15 11:16	
Bromomethane	<1.000	50.00	44.60	89	40-147	ug/L	08/04/15 11:16	
tert-Butyl alcohol	<20.00	50.00	52.00	104	15-150	ug/L	08/04/15 11:16	
2-Butanone (MEK)	<10.00	50.00	57.36	115	56-133	ug/L	08/04/15 11:16	
tert-Butyl ethyl ether	<10.00	50.00	53.92	108	62-137	ug/L	08/04/15 11:16	
Carbon Disulfide	<10.00	50.00	44.92	90	62-134	ug/L	08/04/15 11:16	
Carbon Tetrachloride	<1.000	50.00	53.33	107	74-127	ug/L	08/04/15 11:16	
Chlorobenzene	<1.000	50.00	51.63	103	76-116	ug/L	08/04/15 11:16	
Chloroethane	<1.000	50.00	44.77	90	59-132	ug/L	08/04/15 11:16	
Chloroform	<1.000	50.00	53.75	108	71-118	ug/L	08/04/15 11:16	
Chloromethane	<1.000	50.00	41.10	82	62-131	ug/L	08/04/15 11:16	
Cyclohexane	<10.00	50.00	53.57	107	46-150	ug/L	08/04/15 11:16	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	58.63	117	59-135	ug/L	08/04/15 11:16	
Dibromochloromethane	<1.000	50.00	46.55	93	75-114	ug/L	08/04/15 11:16	
1,2-Dibromoethane (EDB)	<1.000	50.00	55.40	111	78-121	ug/L	08/04/15 11:16	
1,2-Dichlorobenzene	<1.000	50.00	53.50	107	80-122	ug/L	08/04/15 11:16	
1,3-Dichlorobenzene	<1.000	50.00	52.52	105	80-122	ug/L	08/04/15 11:16	
1,4-Dichlorobenzene	<1.000	50.00	50.94	102	77-118	ug/L	08/04/15 11:16	
Dichlorodifluoromethane	<1.000	50.00	47.04	94	54-139	ug/L	08/04/15 11:16	
1,1-Dichloroethane	<1.000	50.00	52.90	106	51-136	ug/L	08/04/15 11:16	
1,2-Dichloroethane	<1.000	50.00	54.91	110	64-130	ug/L	08/04/15 11:16	
1,1-Dichloroethene	<1.000	50.00	48.20	96	59-123	ug/L	08/04/15 11:16	
cis-1,2-Dichloroethene	<1.000	50.00	55.40	111	77-119	ug/L	08/04/15 11:16	
1,2-Dichloropropane	<1.000	50.00	53.74	107	75-125	ug/L	08/04/15 11:16	
cis-1,3-Dichloropropene	<1.000	50.00	51.68	103	74-123	ug/L	08/04/15 11:16	
trans-1,3-Dichloropropene	<1.000	50.00	53.66	107	73-116	ug/L	08/04/15 11:16	
trans-1,2-Dichloroethene	<1.000	50.00	55.02	110	58-134	ug/L	08/04/15 11:16	
Diisopropyl ether	<10.00	50.00	52.15	104	48-146	ug/L	08/04/15 11:16	
Ethylbenzene	<1.000	50.00	52.58	105	79-122	ug/L	08/04/15 11:16	
2-Hexanone	<10.00	50.00	58.54	117	56-134	ug/L	08/04/15 11:16	
Isopropylbenzene	<1.000	50.00	52.48	105	80-128	ug/L	08/04/15 11:16	
Methyl Acetate	<10.00	50.00	53.35	107	47-145	ug/L	08/04/15 11:16	
Methylcyclohexane	<10.00	50.00	56.86	114	61-155	ug/L	08/04/15 11:16	
Methylene Chloride	<1.000	50.00	52.90	106	61-126	ug/L	08/04/15 11:16	
4-Methyl-2-Pentanone	<5.000	50.00	54.65	109	45-145	ug/L	08/04/15 11:16	
Methyl-t-butyl ether	<1.000	50.00	56.07	112	30-168	ug/L	08/04/15 11:16	
Naphthalene	<1.000	50.00	55.23	110	46-154	ug/L	08/04/15 11:16	
Styrene	<1.000	50.00	48.50	97	73-118	ug/L	08/04/15 11:16	
1,1,2,2-Tetrachloroethane	<1.000	50.00	55.67	111	71-126	ug/L	08/04/15 11:16	
Tetrachloroethene	<1.000	50.00	55.44	111	78-113	ug/L	08/04/15 11:16	
Toluene	<1.000	50.00	66.63	133	77-123	ug/L	08/04/15 11:16	H
1,2,3-Trichlorobenzene	<1.000	50.00	56.67	113	66-140	ug/L	08/04/15 11:16	
1,2,4-Trichlorobenzene	<1.000	50.00	53.03	106	72-143	ug/L	08/04/15 11:16	
1,1,1-Trichloroethane	<1.000	50.00	51.87	104	66-133	ug/L	08/04/15 11:16	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56653-1-BLK LCS Sample Id: 56653-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	59.41	119	72-128	ug/L	08/04/15 11:16	
Trichloroethene	<1.000	50.00	54.43	109	72-127	ug/L	08/04/15 11:16	
Trichlorofluoromethane	<5.000	50.00	50.58	101	45-130	ug/L	08/04/15 11:16	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	43.65	87	56-126	ug/L	08/04/15 11:16	
Vinyl Chloride	<1.000	50.00	40.74	81	64-132	ug/L	08/04/15 11:16	
m,p-Xylenes	<2.000	100	128.8	129	78-119	ug/L	08/04/15 11:16	H
o-Xylene	<1.000	50.00	59.05	118	79-123	ug/L	08/04/15 11:16	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		95		81-133	%	08/04/15 11:16
Dibromofluoromethane	104		106		84-110	%	08/04/15 11:16
Toluene-D8	104		103		94-109	%	08/04/15 11:16

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/15
Parent Sample Id: 15072926-003 MS Sample Id: 15072926-003 S MSD Sample Id: 15072926-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	58.97	118	55.65	111	41-161	6	25	ug/L	08/04/15 02:32	
tert-Amyl alcohol	<20.00	50.00	58.01	116	60.53	121	5-149	4	25	ug/L	08/04/15 02:32	
tert-Amyl ethyl ether	<10.00	50.00	48.81	98	47.19	94	48-129	3	25	ug/L	08/04/15 02:32	
tert-Amyl methyl ether	<10.00	50.00	53.11	106	52.48	105	50-139	1	25	ug/L	08/04/15 02:32	
Benzene	<1.000	50.00	55.76	112	52.71	105	75-132	6	25	ug/L	08/04/15 02:32	
Bromochloromethane	<1.000	50.00	56.85	114	55.05	110	67-130	3	25	ug/L	08/04/15 02:32	
Bromodichloromethane	<1.000	50.00	57.07	114	54.63	109	69-134	4	25	ug/L	08/04/15 02:32	
Bromoform	<5.000	50.00	50.22	100	50.06	100	65-115	0	25	ug/L	08/04/15 02:32	
Bromomethane	<1.000	50.00	48.24	96	43.91	88	29-154	9	25	ug/L	08/04/15 02:32	
tert-Butyl alcohol	<20.00	50.00	55.17	110	52.93	106	1-183	4	25	ug/L	08/04/15 02:32	
2-Butanone (MEK)	<10.00	50.00	50.24	100	51.23	102	47-140	2	25	ug/L	08/04/15 02:32	
tert-Butyl ethyl ether	<10.00	50.00	53.63	107	52.76	106	55-141	2	25	ug/L	08/04/15 02:32	
Carbon Disulfide	<10.00	50.00	54.89	110	51.36	103	59-146	7	25	ug/L	08/04/15 02:32	
Carbon Tetrachloride	<1.000	50.00	55.17	110	52.03	104	74-136	6	25	ug/L	08/04/15 02:32	
Chlorobenzene	<1.000	50.00	52.19	104	49.99	100	78-115	4	25	ug/L	08/04/15 02:32	
Chloroethane	<1.000	50.00	49.48	99	45.29	91	40-150	9	25	ug/L	08/04/15 02:32	
Chloroform	<1.000	50.00	54.50	109	52.71	105	67-130	3	25	ug/L	08/04/15 02:32	
Chloromethane	<1.000	50.00	47.19	94	42.65	85	59-144	10	25	ug/L	08/04/15 02:32	
Cyclohexane	<10.00	50.00	51.00	102	48.90	98	34-161	4	25	ug/L	08/04/15 02:32	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	55.47	111	56.59	113	45-125	2	25	ug/L	08/04/15 02:32	
Dibromochloromethane	<1.000	50.00	46.11	92	44.78	90	73-114	3	25	ug/L	08/04/15 02:32	
1,2-Dibromoethane (EDB)	<1.000	50.00	54.13	108	53.05	106	72-126	2	25	ug/L	08/04/15 02:32	
1,2-Dichlorobenzene	<1.000	50.00	51.95	104	51.11	102	73-117	2	25	ug/L	08/04/15 02:32	
1,3-Dichlorobenzene	<1.000	50.00	51.22	102	49.68	99	73-117	3	25	ug/L	08/04/15 02:32	
1,4-Dichlorobenzene	<1.000	50.00	49.81	100	48.16	96	72-111	3	25	ug/L	08/04/15 02:32	
Dichlorodifluoromethane	<1.000	50.00	35.55	71	32.97	66	47-159	8	25	ug/L	08/04/15 02:32	
1,1-Dichloroethane	<1.000	50.00	53.91	108	51.46	103	44-152	5	25	ug/L	08/04/15 02:32	
1,2-Dichloroethane	<1.000	50.00	54.69	109	52.67	105	60-142	4	25	ug/L	08/04/15 02:32	
1,1-Dichloroethene	<1.000	50.00	51.23	102	48.32	97	50-136	6	25	ug/L	08/04/15 02:32	
cis-1,2-Dichloroethene	<1.000	50.00	55.67	111	53.74	107	76-127	4	25	ug/L	08/04/15 02:32	
1,2-Dichloropropane	<1.000	50.00	55.00	110	52.14	104	70-139	5	25	ug/L	08/04/15 02:32	
cis-1,3-Dichloropropene	<1.000	50.00	48.53	97	45.10	90	64-127	7	25	ug/L	08/04/15 02:32	
trans-1,3-Dichloropropene	<1.000	50.00	49.21	98	46.13	92	62-123	6	25	ug/L	08/04/15 02:32	
trans-1,2-Dichloroethene	<1.000	50.00	54.80	110	52.53	105	54-144	4	25	ug/L	08/04/15 02:32	
Diisopropyl ether	<10.00	50.00	52.83	106	51.36	103	49-150	3	25	ug/L	08/04/15 02:32	
Ethylbenzene	<1.000	50.00	53.80	108	50.69	101	74-129	6	25	ug/L	08/04/15 02:32	
2-Hexanone	<10.00	50.00	53.63	107	51.97	104	50-130	3	25	ug/L	08/04/15 02:32	
Isopropylbenzene	<1.000	50.00	52.14	104	50.22	100	72-130	4	25	ug/L	08/04/15 02:32	
Methyl Acetate	<10.00	50.00	39.26	79	38.05	76	37-143	3	25	ug/L	08/04/15 02:32	
Methylcyclohexane	<10.00	50.00	51.27	103	47.75	96	55-148	7	25	ug/L	08/04/15 02:32	
Methylene Chloride	<1.000	50.00	54.64	109	52.02	104	56-137	5	25	ug/L	08/04/15 02:32	
4-Methyl-2-Pentanone	<5.000	50.00	47.12	94	45.24	90	44-133	4	25	ug/L	08/04/15 02:32	
Methyl-t-butyl ether	<1.000	50.00	55.64	111	55.48	111	22-182	0	25	ug/L	08/04/15 02:32	
Naphthalene	<1.000	50.00	51.13	102	52.39	105	7-137	2	25	ug/L	08/04/15 02:32	
Styrene	<1.000	50.00	48.94	98	47.19	94	67-121	4	25	ug/L	08/04/15 02:32	
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.58	107	53.25	107	68-127	1	25	ug/L	08/04/15 02:32	
Tetrachloroethene	<1.000	50.00	55.41	111	51.10	102	69-126	8	25	ug/L	08/04/15 02:32	
Toluene	<1.000	50.00	57.52	115	53.27	107	74-132	8	25	ug/L	08/04/15 02:32	
1,2,3-Trichlorobenzene	<1.000	50.00	50.41	101	51.53	103	9-139	2	25	ug/L	08/04/15 02:32	
1,2,4-Trichlorobenzene	<1.000	50.00	48.53	97	48.80	98	31-135	1	25	ug/L	08/04/15 02:32	
1,1,1-Trichloroethane	<1.000	50.00	55.32	111	52.28	105	70-138	6	25	ug/L	08/04/15 02:32	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

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

Seq Number: 124801 Matrix: Ground Water Date Prep: 08/03/15

Parent Sample Id: 15072926-003 MS Sample Id: 15072926-003 S MSD Sample Id: 15072926-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	60.66	121	56.89	114	65-143	6	25	ug/L	08/04/15 02:32	
Trichloroethene	<1.000	50.00	54.61	109	52.06	104	67-139	5	25	ug/L	08/04/15 02:32	
Trichlorofluoromethane	<5.000	50.00	54.08	108	48.76	98	37-147	10	25	ug/L	08/04/15 02:32	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	47.38	95	45.54	91	47-139	4	25	ug/L	08/04/15 02:32	
Vinyl Chloride	<1.000	50.00	50.54	101	44.25	89	60-146	13	25	ug/L	08/04/15 02:32	
m,p-Xylenes	<2.000	100	108	108	101.4	101	78-119	6	25	ug/L	08/04/15 02:32	
o-Xylene	<1.000	50.00	48.68	97	46.92	94	80-123	4	25	ug/L	08/04/15 02:32	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	95		97		81-133	%	08/04/15 02:32
Dibromofluoromethane	106		106		84-110	%	08/04/15 02:32
Toluene-D8	103		102		94-109	%	08/04/15 02:32

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Ground Water Date Prep: 08/04/15
Parent Sample Id: 15072926-013 MS Sample Id: 15072926-013 S MSD Sample Id: 15072926-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	52.93	106	49.60	99	41-161	6	25	ug/L	08/04/15 15:23	
tert-Amyl alcohol	<20.00	50.00	39.59	79	41.84	84	5-149	6	25	ug/L	08/04/15 15:23	
tert-Amyl ethyl ether	<10.00	50.00	45.85	92	46.12	92	48-129	1	25	ug/L	08/04/15 15:23	
tert-Amyl methyl ether	<10.00	50.00	48.13	96	47.50	95	50-139	1	25	ug/L	08/04/15 15:23	
Benzene	<1.000	50.00	62.24	124	60.61	121	75-132	3	25	ug/L	08/04/15 15:23	
Bromochloromethane	<1.000	50.00	53.01	106	51.71	103	67-130	2	25	ug/L	08/04/15 15:23	
Bromodichloromethane	<1.000	50.00	53.48	107	52.63	105	69-134	2	25	ug/L	08/04/15 15:23	
Bromoform	<5.000	50.00	44.68	89	43.98	88	65-115	2	25	ug/L	08/04/15 15:23	
Bromomethane	<1.000	50.00	47.21	94	45.09	90	29-154	5	25	ug/L	08/04/15 15:23	
tert-Butyl alcohol	<20.00	50.00	49.66	99	49.06	98	1-183	1	25	ug/L	08/04/15 15:23	
2-Butanone (MEK)	<10.00	50.00	50.82	102	48.61	97	47-140	4	25	ug/L	08/04/15 15:23	
tert-Butyl ethyl ether	<10.00	50.00	48.87	98	49.39	99	55-141	1	25	ug/L	08/04/15 15:23	
Carbon Disulfide	<10.00	50.00	50.77	102	50.56	101	59-146	0	25	ug/L	08/04/15 15:23	
Carbon Tetrachloride	<1.000	50.00	52.65	105	52.41	105	74-136	0	25	ug/L	08/04/15 15:23	
Chlorobenzene	<1.000	50.00	49.92	100	48.49	97	78-115	3	25	ug/L	08/04/15 15:23	
Chloroethane	<1.000	50.00	49.26	99	47.40	95	40-150	4	25	ug/L	08/04/15 15:23	
Chloroform	<1.000	50.00	51.60	103	50.81	102	67-130	2	25	ug/L	08/04/15 15:23	
Chloromethane	<1.000	50.00	43.20	86	40.82	82	59-144	6	25	ug/L	08/04/15 15:23	
Cyclohexane	<10.00	50.00	56.40	113	56.45	113	34-161	0	25	ug/L	08/04/15 15:23	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	42.84	86	47.02	94	45-125	9	25	ug/L	08/04/15 15:23	
Dibromochloromethane	<1.000	50.00	42.53	85	41.93	84	73-114	1	25	ug/L	08/04/15 15:23	
1,2-Dibromoethane (EDB)	<1.000	50.00	50.50	101	49.46	99	72-126	2	25	ug/L	08/04/15 15:23	
1,2-Dichlorobenzene	<1.000	50.00	49.94	100	49.72	99	73-117	0	25	ug/L	08/04/15 15:23	
1,3-Dichlorobenzene	<1.000	50.00	49.10	98	48.79	98	73-117	1	25	ug/L	08/04/15 15:23	
1,4-Dichlorobenzene	<1.000	50.00	47.99	96	46.97	94	72-111	2	25	ug/L	08/04/15 15:23	
Dichlorodifluoromethane	<1.000	50.00	43.01	86	42.27	85	47-159	2	25	ug/L	08/04/15 15:23	
1,1-Dichloroethane	<1.000	50.00	51.25	103	50.63	101	44-152	1	25	ug/L	08/04/15 15:23	
1,2-Dichloroethane	<1.000	50.00	51.39	103	50.30	101	60-142	2	25	ug/L	08/04/15 15:23	
1,1-Dichloroethene	<1.000	50.00	48.88	98	48.55	97	50-136	1	25	ug/L	08/04/15 15:23	
cis-1,2-Dichloroethene	<1.000	50.00	53.20	106	52.38	105	76-127	2	25	ug/L	08/04/15 15:23	
1,2-Dichloropropane	<1.000	50.00	51.59	103	50.46	101	70-139	2	25	ug/L	08/04/15 15:23	
cis-1,3-Dichloropropene	<1.000	50.00	48.30	97	47.17	94	64-127	2	25	ug/L	08/04/15 15:23	
trans-1,3-Dichloropropene	<1.000	50.00	48.54	97	47.10	94	62-123	3	25	ug/L	08/04/15 15:23	
trans-1,2-Dichloroethene	<1.000	50.00	51.59	103	51.78	104	54-144	0	25	ug/L	08/04/15 15:23	
Diisopropyl ether	<10.00	50.00	49.56	99	49.28	99	49-150	1	25	ug/L	08/04/15 15:23	
Ethylbenzene	<1.000	50.00	51.50	103	49.85	100	74-129	3	25	ug/L	08/04/15 15:23	
2-Hexanone	<10.00	50.00	51.64	103	49.35	99	50-130	5	25	ug/L	08/04/15 15:23	
Isopropylbenzene	<1.000	50.00	49.89	100	49.92	100	72-130	0	25	ug/L	08/04/15 15:23	
Methyl Acetate	<10.00	50.00	49.42	99	46.57	93	37-143	6	25	ug/L	08/04/15 15:23	
Methylcyclohexane	<10.00	50.00	55.46	111	53.61	107	55-148	3	25	ug/L	08/04/15 15:23	
Methylene Chloride	<1.000	50.00	50.70	101	50.48	101	56-137	0	25	ug/L	08/04/15 15:23	
4-Methyl-2-Pentanone	<5.000	50.00	44.80	90	41.83	84	44-133	7	25	ug/L	08/04/15 15:23	
Methyl-t-butyl ether	<1.000	50.00	49.39	99	49.43	99	22-182	0	25	ug/L	08/04/15 15:23	
Naphthalene	<1.000	50.00	44.34	89	45.84	92	7-137	3	25	ug/L	08/04/15 15:23	
Styrene	<1.000	50.00	47.14	94	46.67	93	67-121	1	25	ug/L	08/04/15 15:23	
1,1,2,2-Tetrachloroethane	<1.000	50.00	48.56	97	47.28	95	68-127	3	25	ug/L	08/04/15 15:23	
Tetrachloroethene	<1.000	50.00	52.71	105	51.40	103	69-126	3	25	ug/L	08/04/15 15:23	
Toluene	<1.000	50.00	64.74	129	62.84	126	74-132	3	25	ug/L	08/04/15 15:23	
1,2,3-Trichlorobenzene	<1.000	50.00	45.86	92	47.57	95	9-139	4	25	ug/L	08/04/15 15:23	
1,2,4-Trichlorobenzene	<1.000	50.00	46.18	92	47.14	94	31-135	2	25	ug/L	08/04/15 15:23	
1,1,1-Trichloroethane	<1.000	50.00	52.31	105	51.48	103	70-138	2	25	ug/L	08/04/15 15:23	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15072926

UMM Shore Regional Health at Chestertown
CRHC

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

Seq Number: 124843 Matrix: Ground Water Date Prep: 08/04/15

Parent Sample Id: 15072926-013 MS Sample Id: 15072926-013 S MSD Sample Id: 15072926-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	54.22	108	52.29	105	65-143	4	25	ug/L	08/04/15 15:23	
Trichloroethene	<1.000	50.00	51.82	104	51.13	102	67-139	1	25	ug/L	08/04/15 15:23	
Trichlorofluoromethane	<5.000	50.00	50.16	100	49.45	99	37-147	1	25	ug/L	08/04/15 15:23	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	52.85	106	51.87	104	47-139	2	25	ug/L	08/04/15 15:23	
Vinyl Chloride	<1.000	50.00	45.29	91	43.95	88	60-146	3	25	ug/L	08/04/15 15:23	
m,p-Xylenes	<2.000	100	125.5	126	122.4	122	78-119	3	25	ug/L	08/04/15 15:23	X
o-Xylene	<1.000	50.00	57.67	115	56.80	114	80-123	2	25	ug/L	08/04/15 15:23	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	95		96		81-133	%	08/04/15 15:23
Dibromofluoromethane	104		104		84-110	%	08/04/15 15:23
Toluene-D8	102		102		94-109	%	08/04/15 15:23

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

PSS Work Order #: 15072926 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

1

*CLIENT: UMM *OFFICE LOC.: WILMINGTON

*PROJECT MGR: KEN HANNON *PHONE NO.: 302 656-9600

EMAIL: KHANNON@BRIGHTFIELD FAX NO.: ( )

*PROJECT NAME: CRAC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEL / K PLATT DW CERT NO.:

2

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES	REMARKS
						Preservatives Used		HCl	HCl		
1	MW29	7/28/15	1410	GW	5	G	X	X	X	X	
2	MW28		1420				X	X	X	X	
3	MW18		1430				X	X	X	X	
4	MW23		1440				X	X	X	X	
5	MW24		1450				X	X	X	X	
6	MW25	7/29/15	0910				X	X	X	X	
7	MW16		1320				X	X	X	X	
8	MW15		1350				X	X	X	X	
9	MW17		1400				X	X	X	X	
10	MW33		1425				X	X	X	X	

5

Relinquished By:	Date	Time	Received By:
Relinquished By: (1)	7/29/15	15:05	
Relinquished By: (2)	7/29/15	17:00	
Relinquished By: (3)			
Relinquished By: (4)			

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:

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE ____

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

# of Coolers: 3

Custody Seal: ABS

Ice Present: PRES Temp: 13, 9, 7°c

Shipping Carrier: TTE

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

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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

PSS Work Order #: 15072926 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

1

*CLIENT: UMM *OFFICE LOC.: WILMINGTON

*PROJECT MGR: KEN HANNON *PHONE NO.: (302) 656-9600

EMAIL: KHANNON@BRICHTFIELD FAX NO.: ( )

*PROJECT NAME: CRHC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEZ / K. PLATT DW CERT NO.:

2

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES								REMARKS
Preservatives Used									HCl	HCl								
11	MW34	7/29/15	1425	GW	5	G	X	X	X	X								
12	MW35	↓	1440	↓	↓	↓	X	X	X	X								
13	MW20	↓	1450	↓	↓	↓	X	X	X	X								

5

Relinquished By: (1)	Date	Time	Received By:
[signature]	7/29/15	15:05	[signature]
Relinquished By: (2)	Date	Time	Received By:
[signature]	7/29/15	17:00	[signature]
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: PRES Temp: 13, 9, 7°c

Shipping Carrier: TTE

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

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 #	15072926	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	07/29/2015 05:00:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/02/2015	**Tracking No**	Not Applicable
		Logged In By	Rachel Davis

Shipping Container(s)

No. of Coolers 3

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	7
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	9
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	13
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	R. Mortel
COC agrees with sample labels?	Yes	MD DW Cert. No.	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 13

Total No. of Containers Received 65

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, 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

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	15072926	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	07/29/2015 05:00:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/02/2015	**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: 07/30/2015

PM Review and Approval: Shirley Rivera — Date: 07/30/2015

Analytical Report for

UMM Shore Regional Health at Chestertown

Certificate of Analysis No.: 15073021

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

August 6, 2015

Phase Separation Science, Inc.

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PHASE SEPARATION SCIENCE, INC.

August 6, 2015

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

Reference: PSS Work Order(s) No: **15073021**
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 **15073021**.

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 September 3, 2015. 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 at Chestertown

Project Name: CRHC

Work Order Number(s): 15073021

The following samples were received under chain of custody by Phase Separation Science (PSS) on 07/30/2015 at 05:15 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
15073021-001	MW19	GROUND WATER	07/29/15 15:00
15073021-002	MW21	GROUND WATER	07/29/15 15:10
15073021-003	MW50	GROUND WATER	07/30/15 07:50
15073021-004	MW49	GROUND WATER	07/30/15 08:15
15073021-005	MW48	GROUND WATER	07/30/15 08:00
15073021-006	MW14	GROUND WATER	07/30/15 08:00
15073021-007	MW41	GROUND WATER	07/30/15 08:20
15073021-008	MW13	GROUND WATER	07/30/15 08:40
15073021-009	MW11	GROUND WATER	07/30/15 08:45
15073021-010	MW32	GROUND WATER	07/30/15 08:50
15073021-011	MW40	GROUND WATER	07/30/15 09:00
15073021-012	MW9	GROUND WATER	07/30/15 09:25
15073021-013	MW12	GROUND WATER	07/30/15 09:20
15073021-014	MW45	GROUND WATER	07/30/15 09:40
15073021-015	MW46	GROUND WATER	07/30/15 09:50
15073021-016	MW47	GROUND WATER	07/30/15 10:00
15073021-017	MW31R	GROUND WATER	07/30/15 10:20
15073021-018	MW44	GROUND WATER	07/30/15 10:40
15073021-019	MW10R	GROUND WATER	07/30/15 10:35
15073021-020	MW43	GROUND WATER	07/30/15 10:45
15073021-021	MW42	GROUND WATER	07/30/15 10:55
15073021-022	MW4	GROUND WATER	07/30/15 11:10
15073021-023	MW2	GROUND WATER	07/30/15 11:15
15073021-024	MW1	GROUND WATER	07/30/15 11:25
15073021-025	MW3	GROUND WATER	07/30/15 11:25
15073021-026	MW5	GROUND WATER	07/30/15 11:40
15073021-027	MW37	GROUND WATER	07/30/15 11:45
15073021-028	RW2D	GROUND WATER	07/30/15 12:10
15073021-029	RW3B	GROUND WATER	07/30/15 12:15
15073021-030	RW4	GROUND WATER	07/30/15 12:20
15073021-031	RW5	GROUND WATER	07/30/15 12:25
15073021-032	RW6	GROUND WATER	07/30/15 12:30
15073021-033	MW22	GROUND WATER	07/30/15 12:35
15073021-034	SYS EFF	GROUND WATER	07/30/15 12:40

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.

Sample Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15073021

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

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 07/29/2015 15:00** **PSS Sample ID: 15073021-001**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 03:31	1045

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	07/31/15	07/31/15 16:34	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 07/29/2015 15:00** **PSS Sample ID: 15073021-001**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/04/15 20:36	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 20:36	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/04/15 20:36	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/04/15 20:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 07/29/2015 15:00** **PSS Sample ID: 15073021-001**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/04/15 20:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/04/15 20:36	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/04/15 20:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/04/15 20:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/04/15 20:36	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/04/15 20:36	1011

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW21 **Date/Time Sampled: 07/29/2015 15:10** **PSS Sample ID: 15073021-002**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 04:05	1045

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	07/31/15	07/31/15 16:59	1035

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UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW21 **Date/Time Sampled: 07/29/2015 15:10** **PSS Sample ID: 15073021-002**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 01:18	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 01:18	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 01:18	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 01:18	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW21 **Date/Time Sampled: 07/29/2015 15:10** **PSS Sample ID: 15073021-002**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 01:18	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 01:18	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 01:18	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 01:18	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 01:18	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 01:18	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 07/30/2015 07:50** **PSS Sample ID: 15073021-003**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 04:40	1045

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	07/31/15	07/31/15 17:24	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 07/30/2015 07:50** **PSS Sample ID: 15073021-003**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 03:38	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 03:38	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 03:38	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 03:38	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 07/30/2015 07:50** **PSS Sample ID: 15073021-003**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 03:38	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 03:38	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 03:38	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 03:38	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 03:38	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 03:38	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 07/30/2015 08:15** **PSS Sample ID: 15073021-004**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 05:14	1045

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	07/31/15	07/31/15 17:50	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 07/30/2015 08:15** **PSS Sample ID: 15073021-004**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 04:13	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 04:13	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 04:13	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 04:13	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 07/30/2015 08:15** **PSS Sample ID: 15073021-004**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 04:13	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 04:13	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 04:13	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 04:13	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 04:13	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:13	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-005**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 05:14	1045

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	07/31/15	07/31/15 18:16	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-005**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 04:48	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 04:48	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 04:48	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 04:48	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-005**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 04:48	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 04:48	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 04:48	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 04:48	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 04:48	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 04:48	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW14 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-006**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**89**	mg/L	2.0		20	08/02/15	08/06/15 12:41	1045

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)	**190**	ug/L	100		1	08/04/15	08/04/15 12:24	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW14 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-006**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 05:24	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 05:24	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 05:24	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 05:24	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW14 **Date/Time Sampled: 07/30/2015 08:00** **PSS Sample ID: 15073021-006**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 05:24	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Ethylbenzene	**6.6**	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Isopropylbenzene	**2.0**	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 05:24	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 05:24	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Naphthalene	**54**	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 05:24	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 05:24	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:24	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW41 **Date/Time Sampled: 07/30/2015 08:20** **PSS Sample ID: 15073021-007**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	0.10		1	08/02/15	08/06/15 05:49	1045

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	07/31/15	07/31/15 18:41	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW41 **Date/Time Sampled: 07/30/2015 08:20** **PSS Sample ID: 15073021-007**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 05:59	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 05:59	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 05:59	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 05:59	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW41 **Date/Time Sampled: 07/30/2015 08:20** **PSS Sample ID: 15073021-007**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 05:59	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 05:59	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 05:59	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Naphthalene	**2.9**	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 05:59	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 05:59	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 05:59	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW13 **Date/Time Sampled: 07/30/2015 08:40** **PSS Sample ID: 15073021-008**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.22**	mg/L	0.10		1	08/02/15	08/06/15 10:58	1045

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	07/31/15	07/31/15 19:07	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW13 **Date/Time Sampled: 07/30/2015 08:40** **PSS Sample ID: 15073021-008**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 06:34	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 06:34	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 06:34	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 06:34	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW13 **Date/Time Sampled: 07/30/2015 08:40** **PSS Sample ID: 15073021-008**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 06:34	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 06:34	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 06:34	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 06:34	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 06:34	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 06:34	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW11 **Date/Time Sampled: 07/30/2015 08:45** **PSS Sample ID: 15073021-009**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 06:23	1045

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	07/31/15	07/31/15 19:32	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW11 **Date/Time Sampled: 07/30/2015 08:45** **PSS Sample ID: 15073021-009**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 07:10	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 07:10	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 07:10	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 07:10	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW11 **Date/Time Sampled: 07/30/2015 08:45** **PSS Sample ID: 15073021-009**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 07:10	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 07:10	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 07:10	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 07:10	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 07:10	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:10	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW32 **Date/Time Sampled: 07/30/2015 08:50** **PSS Sample ID: 15073021-010**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 06:57	1045

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	07/31/15	07/31/15 19:57	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW32 **Date/Time Sampled: 07/30/2015 08:50** **PSS Sample ID: 15073021-010**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 07:44	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 07:44	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 07:44	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 07:44	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW32 **Date/Time Sampled: 07/30/2015 08:50** **PSS Sample ID: 15073021-010**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 07:44	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 07:44	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 07:44	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 07:44	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 07:44	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 07:44	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW40 **Date/Time Sampled: 07/30/2015 09:00** **PSS Sample ID: 15073021-011**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.47**	mg/L	0.10		1	08/02/15	08/06/15 06:57	1045

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	07/31/15	07/31/15 20:23	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW40 **Date/Time Sampled: 07/30/2015 09:00** **PSS Sample ID: 15073021-011**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 08:20	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 08:20	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 08:20	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 08:20	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW40 **Date/Time Sampled: 07/30/2015 09:00** **PSS Sample ID: 15073021-011**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 08:20	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 08:20	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 08:20	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 08:20	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 08:20	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW9 **Date/Time Sampled: 07/30/2015 09:25** **PSS Sample ID: 15073021-012**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.26**	mg/L	0.10		1	08/02/15	08/06/15 08:06	1045

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	07/31/15	07/31/15 23:47	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW9 **Date/Time Sampled: 07/30/2015 09:25** **PSS Sample ID: 15073021-012**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 08:55	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 08:55	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 08:55	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 08:55	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW9 **Date/Time Sampled: 07/30/2015 09:25** **PSS Sample ID: 15073021-012**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 08:55	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 08:55	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 08:55	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Naphthalene	**5.1**	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 08:55	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 08:55	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 08:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW12 **Date/Time Sampled: 07/30/2015 09:20** **PSS Sample ID: 15073021-013**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 08:06	1045

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	07/31/15	08/01/15 00:13	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW12 **Date/Time Sampled: 07/30/2015 09:20** **PSS Sample ID: 15073021-013**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 09:30	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 09:30	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Benzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Bromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Bromoform	ND	ug/L	5.0		1	08/04/15	08/05/15 09:30	1011
Bromomethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/04/15	08/05/15 09:30	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Carbon Disulfide	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Chlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Chloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Chloroform	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Chloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Cyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW12 **Date/Time Sampled: 07/30/2015 09:20** **PSS Sample ID: 15073021-013**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/04/15	08/05/15 09:30	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Diisopropyl ether	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Ethylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
2-Hexanone	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Methyl Acetate	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Methylcyclohexane	ND	ug/L	10		1	08/04/15	08/05/15 09:30	1011
Methylene Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/04/15	08/05/15 09:30	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Naphthalene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Styrene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Toluene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Trichloroethene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/04/15	08/05/15 09:30	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/04/15	08/05/15 09:30	1011
o-Xylene	ND	ug/L	1.0		1	08/04/15	08/05/15 09:30	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW45 **Date/Time Sampled: 07/30/2015 09:40** **PSS Sample ID: 15073021-014**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 09:49	1045

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	07/31/15	08/01/15 00:38	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW45 **Date/Time Sampled: 07/30/2015 09:40** **PSS Sample ID: 15073021-014**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 13:31	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 13:31	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 13:31	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 13:31	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW45 **Date/Time Sampled: 07/30/2015 09:40** **PSS Sample ID: 15073021-014**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 13:31	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 13:31	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 13:31	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 13:31	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 13:31	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 13:31	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW46 **Date/Time Sampled: 07/30/2015 09:50** **PSS Sample ID: 15073021-015**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**15**	mg/L	0.50		5	08/02/15	08/06/15 11:33	1045

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)	**160**	ug/L	100		1	07/31/15	08/01/15 01:04	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW46 **Date/Time Sampled: 07/30/2015 09:50** **PSS Sample ID: 15073021-015**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 15:51	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 15:51	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 15:51	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 15:51	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW46 **Date/Time Sampled: 07/30/2015 09:50** **PSS Sample ID: 15073021-015**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 15:51	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Isopropylbenzene	**6.1**	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 15:51	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 15:51	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Naphthalene	**31**	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 15:51	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 15:51	1011
o-Xylene	**2.1**	ug/L	1.0		1	08/05/15	08/05/15 15:51	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW47 **Date/Time Sampled: 07/30/2015 10:00** **PSS Sample ID: 15073021-016**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**220**	mg/L	5.0		50	08/02/15	08/06/15 16:12	1045

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)	**870**	ug/L	100		1	08/04/15	08/04/15 12:50	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW47 **Date/Time Sampled: 07/30/2015 10:00** **PSS Sample ID: 15073021-016**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acetone	**47**	ug/L	10		1	08/05/15	08/05/15 16:26	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 16:26	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Benzene	**3.1**	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 16:26	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 16:26	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW47 **Date/Time Sampled: 07/30/2015 10:00** **PSS Sample ID: 15073021-016**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 16:26	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Ethylbenzene	**5.9**	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Isopropylbenzene	**7.9**	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 16:26	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 16:26	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Naphthalene	**86**	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 16:26	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011
m,p-Xylenes	**2.5**	ug/L	2.0		1	08/05/15	08/05/15 16:26	1011
o-Xylene	**13**	ug/L	1.0		1	08/05/15	08/05/15 16:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW31R **Date/Time Sampled: 07/30/2015 10:20** **PSS Sample ID: 15073021-017**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.25**	mg/L	0.10		1	08/02/15	08/06/15 08:41	1045

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	07/31/15	08/01/15 01:29	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW31R **Date/Time Sampled: 07/30/2015 10:20** **PSS Sample ID: 15073021-017**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 17:01	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 17:01	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 17:01	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 17:01	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW31R **Date/Time Sampled: 07/30/2015 10:20** **PSS Sample ID: 15073021-017**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 17:01	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 17:01	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 17:01	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Naphthalene	**1.7**	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 17:01	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 17:01	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:01	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW44 **Date/Time Sampled: 07/30/2015 10:40** **PSS Sample ID: 15073021-018**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 09:15	1045

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	07/31/15	08/01/15 01:54	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW44 **Date/Time Sampled: 07/30/2015 10:40** **PSS Sample ID: 15073021-018**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 17:35	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 17:35	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 17:35	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 17:35	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW44 **Date/Time Sampled: 07/30/2015 10:40** **PSS Sample ID: 15073021-018**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 17:35	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 17:35	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 17:35	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 17:35	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 17:35	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 17:35	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW10R **Date/Time Sampled: 07/30/2015 10:35** **PSS Sample ID: 15073021-019**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**2.5**	mg/L	0.10		1	08/02/15	08/06/15 10:58	1045

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	07/31/15	08/01/15 02:20	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW10R **Date/Time Sampled: 07/30/2015 10:35** **PSS Sample ID: 15073021-019**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 18:11	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 18:11	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 18:11	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 18:11	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW10R **Date/Time Sampled: 07/30/2015 10:35** **PSS Sample ID: 15073021-019**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 18:11	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 18:11	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 18:11	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Naphthalene	**1.7**	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 18:11	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 18:11	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW43 **Date/Time Sampled: 07/30/2015 10:45** **PSS Sample ID: 15073021-020**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 10:24	1045

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	07/31/15	08/01/15 02:45	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW43 **Date/Time Sampled: 07/30/2015 10:45** **PSS Sample ID: 15073021-020**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 18:45	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 18:45	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 18:45	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 18:45	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW43 **Date/Time Sampled: 07/30/2015 10:45** **PSS Sample ID: 15073021-020**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 18:45	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 18:45	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 18:45	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 18:45	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 18:45	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 18:45	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW42 **Date/Time Sampled: 07/30/2015 10:55** **PSS Sample ID: 15073021-021**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.74**	mg/L	0.10		1	08/02/15	08/06/15 12:44	1045

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	07/31/15	08/01/15 03:11	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW42 **Date/Time Sampled: 07/30/2015 10:55** **PSS Sample ID: 15073021-021**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 19:20	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 19:20	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 19:20	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 19:20	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW42 **Date/Time Sampled: 07/30/2015 10:55** **PSS Sample ID: 15073021-021**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 19:20	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 19:20	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 19:20	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Naphthalene	**1.1**	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 19:20	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 19:20	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW4 **Date/Time Sampled: 07/30/2015 11:10** **PSS Sample ID: 15073021-022**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.10**	mg/L	0.10		1	08/02/15	08/06/15 13:09	1045

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	07/31/15	08/01/15 03:36	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW4 **Date/Time Sampled: 07/30/2015 11:10** **PSS Sample ID: 15073021-022**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 19:55	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 19:55	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 19:55	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 19:55	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW4 **Date/Time Sampled: 07/30/2015 11:10** **PSS Sample ID: 15073021-022**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 19:55	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 19:55	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 19:55	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 19:55	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 19:55	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW2 **Date/Time Sampled: 07/30/2015 11:15** **PSS Sample ID: 15073021-023**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**1.4**	mg/L	0.10		1	08/02/15	08/06/15 13:34	1045

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	07/31/15	08/01/15 04:02	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW2 **Date/Time Sampled: 07/30/2015 11:15** **PSS Sample ID: 15073021-023**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 20:30	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 20:30	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 20:30	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 20:30	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW2 **Date/Time Sampled: 07/30/2015 11:15** **PSS Sample ID: 15073021-023**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 20:30	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 20:30	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 20:30	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 20:30	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 20:30	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 20:30	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW1 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-024**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**2.0**	mg/L	0.10		1	08/02/15	08/06/15 13:59	1045

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	07/31/15	08/01/15 04:27	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW1 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-024**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 21:05	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 21:05	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 21:05	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 21:05	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW1 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-024**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 21:05	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 21:05	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 21:05	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 21:05	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 21:05	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:05	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW3 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-025**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.10**	mg/L	0.10		1	08/02/15	08/06/15 13:59	1045

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	07/31/15	08/01/15 04:53	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW3 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-025**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 21:40	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 21:40	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/05/15 21:40	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/05/15 21:40	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW3 **Date/Time Sampled: 07/30/2015 11:25** **PSS Sample ID: 15073021-025**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/05/15 21:40	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/05/15 21:40	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/05/15 21:40	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/05/15 21:40	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/05/15 21:40	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/05/15 21:40	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW5 **Date/Time Sampled: 07/30/2015 11:40** **PSS Sample ID: 15073021-026**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.32**	mg/L	0.10		1	08/02/15	08/06/15 14:24	1045

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	07/31/15	08/01/15 05:18	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW5 **Date/Time Sampled: 07/30/2015 11:40** **PSS Sample ID: 15073021-026**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 02:20	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 02:20	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 02:20	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 02:20	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW5 **Date/Time Sampled: 07/30/2015 11:40** **PSS Sample ID: 15073021-026**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 02:20	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 02:20	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 02:20	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 02:20	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 02:20	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 02:20	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW37 **Date/Time Sampled: 07/30/2015 11:45** **PSS Sample ID: 15073021-027**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.35**	mg/L	0.10		1	08/02/15	08/06/15 14:24	1045

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	07/31/15	08/01/15 05:44	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW37 **Date/Time Sampled: 07/30/2015 11:45** **PSS Sample ID: 15073021-027**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 04:41	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 04:41	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 04:41	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 04:41	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW37 **Date/Time Sampled: 07/30/2015 11:45** **PSS Sample ID: 15073021-027**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 04:41	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 04:41	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 04:41	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Naphthalene	**1.4**	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 04:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 04:41	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 04:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW2D **Date/Time Sampled: 07/30/2015 12:10** **PSS Sample ID: 15073021-028**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 14:49	1045

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	07/31/15	08/01/15 06:09	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW2D **Date/Time Sampled: 07/30/2015 12:10** **PSS Sample ID: 15073021-028**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 05:17	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 05:17	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 05:17	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 05:17	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW2D **Date/Time Sampled: 07/30/2015 12:10** **PSS Sample ID: 15073021-028**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 05:17	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 05:17	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 05:17	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Naphthalene	**2.2**	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 05:17	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 05:17	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:17	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW3B **Date/Time Sampled: 07/30/2015 12:15** **PSS Sample ID: 15073021-029**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	0.10		1	08/02/15	08/06/15 14:49	1045

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	07/31/15	08/01/15 06:35	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW3B **Date/Time Sampled: 07/30/2015 12:15** **PSS Sample ID: 15073021-029**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 05:52	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 05:52	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 05:52	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 05:52	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW3B **Date/Time Sampled: 07/30/2015 12:15** **PSS Sample ID: 15073021-029**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 05:52	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 05:52	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 05:52	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Naphthalene	**1.0**	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 05:52	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 05:52	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 05:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW4 **Date/Time Sampled: 07/30/2015 12:20** **PSS Sample ID: 15073021-030**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/02/15	08/06/15 15:40	1045

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	07/31/15	08/01/15 07:01	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW4 **Date/Time Sampled: 07/30/2015 12:20** **PSS Sample ID: 15073021-030**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 06:27	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 06:27	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 06:27	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 06:27	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW4 **Date/Time Sampled: 07/30/2015 12:20** **PSS Sample ID: 15073021-030**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 06:27	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 06:27	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 06:27	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Naphthalene	**1.9**	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 06:27	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 06:27	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 06:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW5 **Date/Time Sampled: 07/30/2015 12:25** **PSS Sample ID: 15073021-031**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.18**	mg/L	0.10		1	08/02/15	08/06/15 15:14	1045

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	07/31/15	08/01/15 07:26	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW5 **Date/Time Sampled: 07/30/2015 12:25** **PSS Sample ID: 15073021-031**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 07:03	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 07:03	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 07:03	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 07:03	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW5 **Date/Time Sampled: 07/30/2015 12:25** **PSS Sample ID: 15073021-031**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 07:03	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 07:03	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 07:03	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Naphthalene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 07:03	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 07:03	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:03	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW6 **Date/Time Sampled: 07/30/2015 12:30** **PSS Sample ID: 15073021-032**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.12**	mg/L	0.10		1	08/02/15	08/06/15 15:14	1045

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	07/31/15	08/01/15 07:52	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW6 **Date/Time Sampled: 07/30/2015 12:30** **PSS Sample ID: 15073021-032**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 07:37	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 07:37	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 07:37	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 07:37	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: RW6 **Date/Time Sampled: 07/30/2015 12:30** **PSS Sample ID: 15073021-032**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 07:37	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 07:37	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 07:37	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Naphthalene	**1.4**	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 07:37	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 07:37	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 07:37	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW22 **Date/Time Sampled: 07/30/2015 12:35** **PSS Sample ID: 15073021-033**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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)	**0.14**	mg/L	0.10		1	08/02/15	08/06/15 15:40	1045

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	08/03/15	08/03/15 15:56	1035

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CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW22 **Date/Time Sampled: 07/30/2015 12:35** **PSS Sample ID: 15073021-033**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 08:12	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 08:12	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 08:12	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 08:12	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW22 **Date/Time Sampled: 07/30/2015 12:35** **PSS Sample ID: 15073021-033**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 08:12	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 08:12	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 08:12	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Naphthalene	**2.3**	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 08:12	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 08:12	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:12	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 07/30/2015 12:40** **PSS Sample ID: 15073021-034**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	0.10		1	08/02/15	08/06/15 17:15	1045

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	08/03/15	08/03/15 16:23	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 07/30/2015 12:40** **PSS Sample ID: 15073021-034**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 08:47	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 08:47	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Benzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Bromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Bromoform	ND	ug/L	5.0		1	08/05/15	08/06/15 08:47	1011
Bromomethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/05/15	08/06/15 08:47	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Carbon Disulfide	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Chlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Chloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Chloroform	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Chloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Cyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15073021

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 6, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: SYS EFF **Date/Time Sampled: 07/30/2015 12:40** **PSS Sample ID: 15073021-034**
Matrix: GROUND WATER **Date/Time Received: 07/30/2015 17:15**

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	08/05/15	08/06/15 08:47	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Diisopropyl ether	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Ethylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
2-Hexanone	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Methyl Acetate	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Methylcyclohexane	ND	ug/L	10		1	08/05/15	08/06/15 08:47	1011
Methylene Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/05/15	08/06/15 08:47	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Naphthalene	**1.2**	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Styrene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Toluene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Trichloroethene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/05/15	08/06/15 08:47	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/05/15	08/06/15 08:47	1011
o-Xylene	ND	ug/L	1.0		1	08/05/15	08/06/15 08:47	1011

Case Narrative Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15073021

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.

Analytical:

Total Petroleum Hydrocarbons - DRO

Batch: 124904

Surrogate recoveries affected by sample dilution.

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): 15073021
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW19	Initial	15073021-001	1045	W	56599	124904	07/29/2015	08/02/2015 14:26	08/06/2015 03:31
	MW21	Initial	15073021-002	1045	W	56599	124904	07/29/2015	08/02/2015 14:26	08/06/2015 04:05
	MW50	Initial	15073021-003	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 04:40
	MW49	Initial	15073021-004	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 05:14
	MW48	Initial	15073021-005	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 05:14
	MW14	Initial	15073021-006	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 12:41
	MW41	Initial	15073021-007	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 05:49
	MW13	Initial	15073021-008	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 10:58
	MW11	Initial	15073021-009	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 06:23
	MW32	Initial	15073021-010	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 06:57
	MW40	Initial	15073021-011	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 06:57
	MW9	Initial	15073021-012	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 08:06
	MW12	Initial	15073021-013	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 08:06
	MW45	Initial	15073021-014	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 09:49
	MW46	Initial	15073021-015	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 11:33
	MW47	Initial	15073021-016	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 16:12
	MW31R	Initial	15073021-017	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 08:41
	MW44	Initial	15073021-018	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 09:15
	MW10R	Initial	15073021-019	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 10:58
	MW43	Initial	15073021-020	1045	W	56599	124904	07/30/2015	08/02/2015 14:26	08/06/2015 10:24
	56599-1-BKS	BKS	56599-1-BKS	1045	W	56599	124904	--------	08/02/2015 14:26	08/06/2015 04:05
	56599-1-BLK	BLK	56599-1-BLK	1045	W	56599	124904	--------	08/02/2015 14:26	08/06/2015 03:31
	56599-1-BSD	BSD	56599-1-BSD	1045	W	56599	124904	--------	08/02/2015 14:26	08/06/2015 04:40
	MW42	Initial	15073021-021	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 12:44
	MW4	Initial	15073021-022	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 13:09
	MW2	Initial	15073021-023	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 13:34
	MW1	Initial	15073021-024	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 13:59
	MW3	Initial	15073021-025	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 13:59
	MW5	Initial	15073021-026	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 14:24

Analytical Data Package Information Summary

Work Order(s): 15073021
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW37	Initial	15073021-027	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 14:24
	RW2D	Initial	15073021-028	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 14:49
	RW3B	Initial	15073021-029	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 14:49
	RW4	Initial	15073021-030	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 15:40
	RW5	Initial	15073021-031	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 15:14
	RW6	Initial	15073021-032	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 15:14
	MW22	Initial	15073021-033	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 15:40
	SYS EFF	Initial	15073021-034	1045	W	56600	124905	07/30/2015	08/02/2015 14:27	08/06/2015 17:15
	56600-1-BKS	BKS	56600-1-BKS	1045	W	56600	124905	--------	08/02/2015 14:27	08/06/2015 13:09
	56600-1-BLK	BLK	56600-1-BLK	1045	W	56600	124905	--------	08/02/2015 14:27	08/06/2015 12:44
	56600-1-BSD	BSD	56600-1-BSD	1045	W	56600	124905	--------	08/02/2015 14:27	08/06/2015 13:34
SW-846 8015C	MW19	Initial	15073021-001	1035	W	56594	124746	07/29/2015	07/31/2015 08:44	07/31/2015 16:34
	MW21	Initial	15073021-002	1035	W	56594	124746	07/29/2015	07/31/2015 08:44	07/31/2015 16:59
	MW50	Initial	15073021-003	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 17:24
	MW49	Initial	15073021-004	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 17:50
	MW48	Initial	15073021-005	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 18:16
	MW41	Initial	15073021-007	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 18:41
	MW13	Initial	15073021-008	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 19:07
	MW11	Initial	15073021-009	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 19:32
	MW32	Initial	15073021-010	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 19:57
	MW40	Initial	15073021-011	1035	W	56594	124746	07/30/2015	07/31/2015 08:44	07/31/2015 20:23
	56594-2-BKS	BKS	56594-2-BKS	1035	W	56594	124746	--------	07/31/2015 08:44	07/31/2015 10:11
	56594-2-BLK	BLK	56594-2-BLK	1035	W	56594	124746	--------	07/31/2015 08:44	07/31/2015 09:44
	MW-4H S	MS	15072923-003 S	1035	W	56594	124746	07/29/2015	07/31/2015 08:44	07/31/2015 15:43
	MW-4H SD	MSD	15072923-003 SD	1035	W	56594	124746	07/29/2015	07/31/2015 08:44	07/31/2015 16:08
	MW9	Initial	15073021-012	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	07/31/2015 23:47
	MW12	Initial	15073021-013	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 00:13
	MW45	Initial	15073021-014	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 00:38
	MW46	Initial	15073021-015	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 01:04

Analytical Data Package Information Summary

Work Order(s): 15073021
Report Prepared For: UMM Shore Regional Health at Chestertown,
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 8015C	MW31R	Initial	15073021-017	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 01:29
	MW44	Initial	15073021-018	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 01:54
	MW10R	Initial	15073021-019	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 02:20
	MW43	Initial	15073021-020	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 02:45
	MW42	Initial	15073021-021	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 03:11
	MW4	Initial	15073021-022	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 03:36
	MW2	Initial	15073021-023	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 04:02
	MW1	Initial	15073021-024	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 04:27
	MW3	Initial	15073021-025	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 04:53
	MW5	Initial	15073021-026	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 05:18
	MW37	Initial	15073021-027	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 05:44
	RW2D	Initial	15073021-028	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 06:09
	RW3B	Initial	15073021-029	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 06:35
	RW4	Initial	15073021-030	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 07:01
	RW5	Initial	15073021-031	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 07:26
	RW6	Initial	15073021-032	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 07:52
	56611-2-BKS	BKS	56611-2-BKS	1035	W	56611	124768	--------	07/31/2015 20:48	07/31/2015 22:56
	56611-2-BLK	BLK	56611-2-BLK	1035	W	56611	124768	--------	07/31/2015 20:48	07/31/2015 22:30
	MW46 S	MS	15073021-015 S	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 08:18
	MW46 SD	MSD	15073021-015 SD	1035	W	56611	124768	07/30/2015	07/31/2015 20:48	08/01/2015 08:43
	MW22	Initial	15073021-033	1035	W	56621	124779	07/30/2015	08/03/2015 09:24	08/03/2015 15:56
	SYS EFF	Initial	15073021-034	1035	W	56621	124779	07/30/2015	08/03/2015 09:24	08/03/2015 16:23
	56621-2-BKS	BKS	56621-2-BKS	1035	W	56621	124779	--------	08/03/2015 09:24	08/03/2015 13:48
	56621-2-BLK	BLK	56621-2-BLK	1035	W	56621	124779	--------	08/03/2015 09:24	08/03/2015 12:31
	A08A1 S	MS	15073107-001 S	1035	W	56621	124779	07/31/2015	08/03/2015 09:24	08/03/2015 17:41
	A08A1 SD	MSD	15073107-001 SD	1035	W	56621	124779	07/31/2015	08/03/2015 09:24	08/03/2015 18:07
	MW14	Initial	15073021-006	1035	W	56645	124828	07/30/2015	08/04/2015 10:32	08/04/2015 12:24
	MW47	Initial	15073021-016	1035	W	56645	124828	07/30/2015	08/04/2015 10:32	08/04/2015 12:50
	56645-2-BKS	BKS	56645-2-BKS	1035	W	56645	124828	--------	08/04/2015 10:32	08/04/2015 13:16

Analytical Data Package Information Summary

Work Order(s): 15073021
Report Prepared For: UMM Shore Regional Health at Chestertown,
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 8015C	56645-2-BLK	BLK	56645-2-BLK	1035	W	56645	124828	--------	08/04/2015 10:32	08/04/2015 11:58
	56645-2-BSD	BSD	56645-2-BSD	1035	W	56645	124828	--------	08/04/2015 10:32	08/04/2015 13:42
SW-846 8260 B	MW19	Initial	15073021-001	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 20:36
	56653-1-BKS	BKS	56653-1-BKS	1011	W	56653	124843	--------	08/04/2015 09:42	08/04/2015 11:16
	56653-1-BLK	BLK	56653-1-BLK	1011	W	56653	124843	--------	08/04/2015 09:42	08/04/2015 12:28
	MW20 S	MS	15072926-013 S	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 15:23
	MW20 SD	MSD	15072926-013 SD	1011	W	56653	124843	07/29/2015	08/04/2015 09:42	08/04/2015 15:57
	MW21	Initial	15073021-002	1011	W	56654	124846	07/29/2015	08/04/2015 21:47	08/05/2015 01:18
	MW50	Initial	15073021-003	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 03:38
	MW49	Initial	15073021-004	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 04:13
	MW48	Initial	15073021-005	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 04:48
	MW14	Initial	15073021-006	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 05:24
	MW41	Initial	15073021-007	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 05:59
	MW13	Initial	15073021-008	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 06:34
	MW11	Initial	15073021-009	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 07:10
	MW32	Initial	15073021-010	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 07:44
	MW40	Initial	15073021-011	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 08:20
	MW9	Initial	15073021-012	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 08:55
	MW12	Initial	15073021-013	1011	W	56654	124846	07/30/2015	08/04/2015 21:47	08/05/2015 09:30
	56654-1-BKS	BKS	56654-1-BKS	1011	W	56654	124846	--------	08/04/2015 21:47	08/04/2015 23:32
	56654-1-BLK	BLK	56654-1-BLK	1011	W	56654	124846	--------	08/04/2015 21:47	08/05/2015 00:42
	MW21 S	MS	15073021-002 S	1011	W	56654	124846	07/29/2015	08/04/2015 21:47	08/05/2015 01:53
	MW21 SD	MSD	15073021-002 SD	1011	W	56654	124846	07/29/2015	08/04/2015 21:47	08/05/2015 02:28
	MW45	Initial	15073021-014	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 13:31
	MW46	Initial	15073021-015	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 15:51
	MW47	Initial	15073021-016	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 16:26
	MW31R	Initial	15073021-017	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 17:01
	MW44	Initial	15073021-018	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 17:35
	MW10R	Initial	15073021-019	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 18:11

Analytical Data Package Information Summary

Work Order(s): 15073021
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW43	Initial	15073021-020	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 18:45
	MW42	Initial	15073021-021	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 19:20
	MW4	Initial	15073021-022	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 19:55
	MW2	Initial	15073021-023	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 20:30
	MW1	Initial	15073021-024	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 21:05
	MW3	Initial	15073021-025	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 21:40
	56672-1-BKS	BKS	56672-1-BKS	1011	W	56672	124881	--------	08/05/2015 10:08	08/05/2015 11:42
	56672-1-BLK	BLK	56672-1-BLK	1011	W	56672	124881	--------	08/05/2015 10:08	08/05/2015 12:52
	MW45 S	MS	15073021-014 S	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 14:07
	MW45 SD	MSD	15073021-014 SD	1011	W	56672	124881	07/30/2015	08/05/2015 10:08	08/05/2015 14:41
	MW5	Initial	15073021-026	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 02:20
	MW37	Initial	15073021-027	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 04:41
	RW2D	Initial	15073021-028	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 05:17
	RW3B	Initial	15073021-029	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 05:52
	RW4	Initial	15073021-030	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 06:27
	RW5	Initial	15073021-031	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 07:03
	RW6	Initial	15073021-032	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 07:37
	MW22	Initial	15073021-033	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 08:12
	SYS EFF	Initial	15073021-034	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 08:47
	56673-1-BKS	BKS	56673-1-BKS	1011	W	56673	124883	--------	08/05/2015 22:50	08/06/2015 00:35
	56673-1-BLK	BLK	56673-1-BLK	1011	W	56673	124883	--------	08/05/2015 22:50	08/06/2015 01:45
	MW5 S	MS	15073021-026 S	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 02:55
	MW5 SD	MSD	15073021-026 SD	1011	W	56673	124883	07/30/2015	08/05/2015 22:50	08/06/2015 03:31

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	70		37-136	%	08/06/15 03:31

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	84		65-111	%	07/31/15 16:34

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/04/15 20:36
Dibromofluoromethane	105		84-110	%	08/04/15 20:36
Toluene-D8	103		94-109	%	08/04/15 20:36

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	66		37-136	%	08/06/15 04:05

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 16:59

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/05/15 01:18
Dibromofluoromethane	105		84-110	%	08/05/15 01:18
Toluene-D8	104		94-109	%	08/05/15 01:18

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	63		37-136	%	08/06/15 04:40

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 17:24

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/05/15 03:38
Dibromofluoromethane	105		84-110	%	08/05/15 03:38
Toluene-D8	104		94-109	%	08/05/15 03:38

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	08/06/15 05:14

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 17:50

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/05/15 04:13
Dibromofluoromethane	105		84-110	%	08/05/15 04:13
Toluene-D8	102		94-109	%	08/05/15 04:13

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	71		37-136	%	08/06/15 05:14

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 18:16

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/05/15 04:48
Dibromofluoromethane	105		84-110	%	08/05/15 04:48
Toluene-D8	102		94-109	%	08/05/15 04:48

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	160	*	37-136	%	08/06/15 12:41

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124828 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	73		65-111	%	08/04/15 12:24

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	96		81-133	%	08/05/15 05:24
Dibromofluoromethane	103		84-110	%	08/05/15 05:24
Toluene-D8	104		94-109	%	08/05/15 05:24

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	76		37-136	%	08/06/15 05:49

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		65-111	%	07/31/15 18:41

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 05:59
Dibromofluoromethane	103		84-110	%	08/05/15 05:59
Toluene-D8	102		94-109	%	08/05/15 05:59

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	89		37-136	%	08/06/15 10:58

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 19:07

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		81-133	%	08/05/15 06:34
Dibromofluoromethane	104		84-110	%	08/05/15 06:34
Toluene-D8	103		94-109	%	08/05/15 06:34

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	69		37-136	%	08/06/15 06:23

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	07/31/15 19:32

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		81-133	%	08/05/15 07:10
Dibromofluoromethane	104		84-110	%	08/05/15 07:10
Toluene-D8	103		94-109	%	08/05/15 07:10

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	89		37-136	%	08/06/15 06:57

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	07/31/15 19:57

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/05/15 07:44
Dibromofluoromethane	104		84-110	%	08/05/15 07:44
Toluene-D8	104		94-109	%	08/05/15 07:44

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	75		37-136	%	08/06/15 06:57

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	07/31/15 20:23

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/05/15 08:20
Dibromofluoromethane	103		84-110	%	08/05/15 08:20
Toluene-D8	102		94-109	%	08/05/15 08:20

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	91		37-136	%	08/06/15 08:06

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	07/31/15 23:47

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	88		81-133	%	08/05/15 08:55
Dibromofluoromethane	104		84-110	%	08/05/15 08:55
Toluene-D8	102		94-109	%	08/05/15 08:55

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	73		37-136	%	08/06/15 08:06

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 00:13

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-013

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 09:30
Dibromofluoromethane	103		84-110	%	08/05/15 09:30
Toluene-D8	101		94-109	%	08/05/15 09:30

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-014

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	84		37-136	%	08/06/15 09:49

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-014

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 00:38

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-014

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	106		81-133	%	08/05/15 13:31
Dibromofluoromethane	105		84-110	%	08/05/15 13:31
Toluene-D8	103		94-109	%	08/05/15 13:31

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-015

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	112		37-136	%	08/06/15 11:33

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-015

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	08/01/15 01:04

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-015

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	93		81-133	%	08/05/15 15:51
Dibromofluoromethane	105		84-110	%	08/05/15 15:51
Toluene-D8	103		94-109	%	08/05/15 15:51

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-016

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	242	*	37-136	%	08/06/15 16:12

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124828 Matrix: Ground Water Date Prep: 08/04/2015
PSS Sample ID: 15073021-016

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	73		65-111	%	08/04/15 12:50

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-016

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		81-133	%	08/05/15 16:26
Dibromofluoromethane	103		84-110	%	08/05/15 16:26
Toluene-D8	105		94-109	%	08/05/15 16:26

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-017

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	75		37-136	%	08/06/15 08:41

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-017

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	08/01/15 01:29

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-017

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 17:01
Dibromofluoromethane	103		84-110	%	08/05/15 17:01
Toluene-D8	102		94-109	%	08/05/15 17:01

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	08/06/15 09:15

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	08/01/15 01:54

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-018

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	106		81-133	%	08/05/15 17:35
Dibromofluoromethane	103		84-110	%	08/05/15 17:35
Toluene-D8	101		94-109	%	08/05/15 17:35

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-019

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	87		37-136	%	08/06/15 10:58

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-019

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	08/01/15 02:20

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-019

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		81-133	%	08/05/15 18:11
Dibromofluoromethane	103		84-110	%	08/05/15 18:11
Toluene-D8	103		94-109	%	08/05/15 18:11

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-020

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	92		37-136	%	08/06/15 10:24

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-020

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 02:45

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-020

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		81-133	%	08/05/15 18:45
Dibromofluoromethane	104		84-110	%	08/05/15 18:45
Toluene-D8	103		94-109	%	08/05/15 18:45

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-021

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	63		37-136	%	08/06/15 12:44

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-021

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 03:11

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-021

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 19:20
Dibromofluoromethane	105		84-110	%	08/05/15 19:20
Toluene-D8	104		94-109	%	08/05/15 19:20

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-022

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	70		37-136	%	08/06/15 13:09

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-022

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 03:36

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-022

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	106		81-133	%	08/05/15 19:55
Dibromofluoromethane	104		84-110	%	08/05/15 19:55
Toluene-D8	102		94-109	%	08/05/15 19:55

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-023

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	73		37-136	%	08/06/15 13:34

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-023

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	82		65-111	%	08/01/15 04:02

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-023

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/05/15 20:30
Dibromofluoromethane	104		84-110	%	08/05/15 20:30
Toluene-D8	102		94-109	%	08/05/15 20:30

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-024

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	08/06/15 13:59

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-024

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	08/01/15 04:27

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-024

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 21:05
Dibromofluoromethane	104		84-110	%	08/05/15 21:05
Toluene-D8	104		94-109	%	08/05/15 21:05

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-025

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	70		37-136	%	08/06/15 13:59

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-025

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 04:53

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-025

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		81-133	%	08/05/15 21:40
Dibromofluoromethane	105		84-110	%	08/05/15 21:40
Toluene-D8	103		94-109	%	08/05/15 21:40

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-026

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	87		37-136	%	08/06/15 14:24

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-026

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	08/01/15 05:18

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-026

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	124		81-133	%	08/06/15 02:20
Dibromofluoromethane	107		84-110	%	08/06/15 02:20
Toluene-D8	103		94-109	%	08/06/15 02:20

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-027

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	64		37-136	%	08/06/15 14:24

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-027

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 05:44

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-027

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/06/15 04:41
Dibromofluoromethane	106		84-110	%	08/06/15 04:41
Toluene-D8	103		94-109	%	08/06/15 04:41

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-028

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	80		37-136	%	08/06/15 14:49

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-028

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		65-111	%	08/01/15 06:09

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-028

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/06/15 05:17
Dibromofluoromethane	105		84-110	%	08/06/15 05:17
Toluene-D8	102		94-109	%	08/06/15 05:17

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-029

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	67		37-136	%	08/06/15 14:49

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-029

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	08/01/15 06:35

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-029

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/06/15 05:52
Dibromofluoromethane	106		84-110	%	08/06/15 05:52
Toluene-D8	104		94-109	%	08/06/15 05:52

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-030

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	70		37-136	%	08/06/15 15:40

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-030

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	78		65-111	%	08/01/15 07:01

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-030

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/06/15 06:27
Dibromofluoromethane	106		84-110	%	08/06/15 06:27
Toluene-D8	105		94-109	%	08/06/15 06:27

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-031

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	08/06/15 15:14

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-031

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	80		65-111	%	08/01/15 07:26

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-031

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		81-133	%	08/06/15 07:03
Dibromofluoromethane	106		84-110	%	08/06/15 07:03
Toluene-D8	104		94-109	%	08/06/15 07:03

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-032

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	75		37-136	%	08/06/15 15:14

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/2015
PSS Sample ID: 15073021-032

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	68		65-111	%	08/01/15 07:52

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-032

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/06/15 07:37
Dibromofluoromethane	106		84-110	%	08/06/15 07:37
Toluene-D8	104		94-109	%	08/06/15 07:37

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-033

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	73		37-136	%	08/06/15 15:40

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124779 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15073021-033

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	76		65-111	%	08/03/15 15:56

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-033

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/06/15 08:12
Dibromofluoromethane	106		84-110	%	08/06/15 08:12
Toluene-D8	103		94-109	%	08/06/15 08:12

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Ground Water Date Prep: 08/02/2015
PSS Sample ID: 15073021-034

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	84		37-136	%	08/06/15 17:15

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124779 Matrix: Ground Water Date Prep: 08/03/2015
PSS Sample ID: 15073021-034

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	75		65-111	%	08/03/15 16:23

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/2015
PSS Sample ID: 15073021-034

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/06/15 08:47
Dibromofluoromethane	105		84-110	%	08/06/15 08:47
Toluene-D8	104		94-109	%	08/06/15 08:47

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 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124904 Matrix: Water Date Prep: 08/02/15
MB Sample Id: 56599-1-BLK LCS Sample Id: 56599-1-BKS LCSD Sample Id: 56599-1-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	0.9002	90	0.9866	99	61-119	9	20	mg/L	08/06/15 04:05	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	96		91		98		37-136	%	08/06/15 04:05

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 124905 Matrix: Water Date Prep: 08/02/15
MB Sample Id: 56600-1-BLK LCS Sample Id: 56600-1-BKS LCSD Sample Id: 56600-1-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	1.118	112	0.8812	88	61-119	24	20	mg/L	08/06/15 13:09	F

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	93		106		80		37-136	%	08/06/15 13:09

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124828 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56645-2-BLK LCS Sample Id: 56645-2-BKS LCSD Sample Id: 56645-2-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4759	95	4423	88	61-138	7	20	ug/L	08/04/15 13:16	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	70		77		78		65-111	%	08/04/15 13:16

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124746 Matrix: Water Date Prep: 07/31/15
MB Sample Id: 56594-2-BLK LCS Sample Id: 56594-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4666	93	61-138	ug/L	07/31/15 10:11	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	81		89		65-111	%	07/31/15 10:11

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Water Date Prep: 07/31/15
MB Sample Id: 56611-2-BLK LCS Sample Id: 56611-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4875	98	61-138	ug/L	07/31/15 22:56	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		89		65-111	%	07/31/15 22:56

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124779 Matrix: Water Date Prep: 08/03/15
MB Sample Id: 56621-2-BLK LCS Sample Id: 56621-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4587	92	61-138	ug/L	08/03/15 13:48	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	76		81		65-111	%	08/03/15 13:48

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 124768 Matrix: Ground Water Date Prep: 07/31/15
Parent Sample Id: 15073021-015 MS Sample Id: 15073021-015 S MSD Sample Id: 15073021-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	164.5	5000	4120	79	3993	77	58-136	3	25	ug/L	08/01/15 08:18	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	83		99		65-111	%	08/01/15 08:18

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56653-1-BLK LCS Sample Id: 56653-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	51.78	104	53-146	ug/L	08/04/15 11:16	
tert-Amyl alcohol	<20.00	50.00	54.48	109	27-139	ug/L	08/04/15 11:16	
tert-Amyl ethyl ether	<10.00	50.00	50.04	100	60-121	ug/L	08/04/15 11:16	
tert-Amyl methyl ether	<10.00	50.00	53.54	107	61-129	ug/L	08/04/15 11:16	
Benzene	<1.000	50.00	63.59	127	77-122	ug/L	08/04/15 11:16	H
Bromochloromethane	<1.000	50.00	57.27	115	71-122	ug/L	08/04/15 11:16	
Bromodichloromethane	<1.000	50.00	57.22	114	76-122	ug/L	08/04/15 11:16	
Bromoform	<5.000	50.00	51.67	103	69-115	ug/L	08/04/15 11:16	
Bromomethane	<1.000	50.00	44.60	89	40-147	ug/L	08/04/15 11:16	
tert-Butyl alcohol	<20.00	50.00	52.00	104	15-150	ug/L	08/04/15 11:16	
2-Butanone (MEK)	<10.00	50.00	57.36	115	56-133	ug/L	08/04/15 11:16	
tert-Butyl ethyl ether	<10.00	50.00	53.92	108	62-137	ug/L	08/04/15 11:16	
Carbon Disulfide	<10.00	50.00	44.92	90	62-134	ug/L	08/04/15 11:16	
Carbon Tetrachloride	<1.000	50.00	53.33	107	74-127	ug/L	08/04/15 11:16	
Chlorobenzene	<1.000	50.00	51.63	103	76-116	ug/L	08/04/15 11:16	
Chloroethane	<1.000	50.00	44.77	90	59-132	ug/L	08/04/15 11:16	
Chloroform	<1.000	50.00	53.75	108	71-118	ug/L	08/04/15 11:16	
Chloromethane	<1.000	50.00	41.10	82	62-131	ug/L	08/04/15 11:16	
Cyclohexane	<10.00	50.00	53.57	107	46-150	ug/L	08/04/15 11:16	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	58.63	117	59-135	ug/L	08/04/15 11:16	
Dibromochloromethane	<1.000	50.00	46.55	93	75-114	ug/L	08/04/15 11:16	
1,2-Dibromoethane (EDB)	<1.000	50.00	55.40	111	78-121	ug/L	08/04/15 11:16	
1,2-Dichlorobenzene	<1.000	50.00	53.50	107	80-122	ug/L	08/04/15 11:16	
1,3-Dichlorobenzene	<1.000	50.00	52.52	105	80-122	ug/L	08/04/15 11:16	
1,4-Dichlorobenzene	<1.000	50.00	50.94	102	77-118	ug/L	08/04/15 11:16	
Dichlorodifluoromethane	<1.000	50.00	47.04	94	54-139	ug/L	08/04/15 11:16	
1,1-Dichloroethane	<1.000	50.00	52.90	106	51-136	ug/L	08/04/15 11:16	
1,2-Dichloroethane	<1.000	50.00	54.91	110	64-130	ug/L	08/04/15 11:16	
1,1-Dichloroethene	<1.000	50.00	48.20	96	59-123	ug/L	08/04/15 11:16	
cis-1,2-Dichloroethene	<1.000	50.00	55.40	111	77-119	ug/L	08/04/15 11:16	
1,2-Dichloropropane	<1.000	50.00	53.74	107	75-125	ug/L	08/04/15 11:16	
cis-1,3-Dichloropropene	<1.000	50.00	51.68	103	74-123	ug/L	08/04/15 11:16	
trans-1,3-Dichloropropene	<1.000	50.00	53.66	107	73-116	ug/L	08/04/15 11:16	
trans-1,2-Dichloroethene	<1.000	50.00	55.02	110	58-134	ug/L	08/04/15 11:16	
Diisopropyl ether	<10.00	50.00	52.15	104	48-146	ug/L	08/04/15 11:16	
Ethylbenzene	<1.000	50.00	52.58	105	79-122	ug/L	08/04/15 11:16	
2-Hexanone	<10.00	50.00	58.54	117	56-134	ug/L	08/04/15 11:16	
Isopropylbenzene	<1.000	50.00	52.48	105	80-128	ug/L	08/04/15 11:16	
Methyl Acetate	<10.00	50.00	53.35	107	47-145	ug/L	08/04/15 11:16	
Methylcyclohexane	<10.00	50.00	56.86	114	61-155	ug/L	08/04/15 11:16	
Methylene Chloride	<1.000	50.00	52.90	106	61-126	ug/L	08/04/15 11:16	
4-Methyl-2-Pentanone	<5.000	50.00	54.65	109	45-145	ug/L	08/04/15 11:16	
Methyl-t-butyl ether	<1.000	50.00	56.07	112	30-168	ug/L	08/04/15 11:16	
Naphthalene	<1.000	50.00	55.23	110	46-154	ug/L	08/04/15 11:16	
Styrene	<1.000	50.00	48.50	97	73-118	ug/L	08/04/15 11:16	
1,1,2,2-Tetrachloroethane	<1.000	50.00	55.67	111	71-126	ug/L	08/04/15 11:16	
Tetrachloroethene	<1.000	50.00	55.44	111	78-113	ug/L	08/04/15 11:16	
Toluene	<1.000	50.00	66.63	133	77-123	ug/L	08/04/15 11:16	H
1,2,3-Trichlorobenzene	<1.000	50.00	56.67	113	66-140	ug/L	08/04/15 11:16	
1,2,4-Trichlorobenzene	<1.000	50.00	53.03	106	72-143	ug/L	08/04/15 11:16	
1,1,1-Trichloroethane	<1.000	50.00	51.87	104	66-133	ug/L	08/04/15 11:16	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124843 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56653-1-BLK LCS Sample Id: 56653-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	59.41	119	72-128	ug/L	08/04/15 11:16	
Trichloroethene	<1.000	50.00	54.43	109	72-127	ug/L	08/04/15 11:16	
Trichlorofluoromethane	<5.000	50.00	50.58	101	45-130	ug/L	08/04/15 11:16	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	43.65	87	56-126	ug/L	08/04/15 11:16	
Vinyl Chloride	<1.000	50.00	40.74	81	64-132	ug/L	08/04/15 11:16	
m,p-Xylenes	<2.000	100	128.8	129	78-119	ug/L	08/04/15 11:16	H
o-Xylene	<1.000	50.00	59.05	118	79-123	ug/L	08/04/15 11:16	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		95		81-133	%	08/04/15 11:16
Dibromofluoromethane	104		106		84-110	%	08/04/15 11:16
Toluene-D8	104		103		94-109	%	08/04/15 11:16

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Water Date Prep: 08/04/15
MB Sample Id: 56654-1-BLK LCS Sample Id: 56654-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	60.24	120	53-146	ug/L	08/04/15 23:32	
tert-Amyl alcohol	<20.00	50.00	51.47	103	27-139	ug/L	08/04/15 23:32	
tert-Amyl ethyl ether	<10.00	50.00	50.88	102	60-121	ug/L	08/04/15 23:32	
tert-Amyl methyl ether	<10.00	50.00	53.17	106	61-129	ug/L	08/04/15 23:32	
Benzene	<1.000	50.00	66.18	132	77-122	ug/L	08/04/15 23:32	H
Bromochloromethane	<1.000	50.00	58.54	117	71-122	ug/L	08/04/15 23:32	
Bromodichloromethane	<1.000	50.00	58.84	118	76-122	ug/L	08/04/15 23:32	
Bromoform	<5.000	50.00	50.14	100	69-115	ug/L	08/04/15 23:32	
Bromomethane	<1.000	50.00	49.11	98	40-147	ug/L	08/04/15 23:32	
tert-Butyl alcohol	<20.00	50.00	55.12	110	15-150	ug/L	08/04/15 23:32	
2-Butanone (MEK)	<10.00	50.00	61.80	124	56-133	ug/L	08/04/15 23:32	
tert-Butyl ethyl ether	<10.00	50.00	54.85	110	62-137	ug/L	08/04/15 23:32	
Carbon Disulfide	<10.00	50.00	55.23	110	62-134	ug/L	08/04/15 23:32	
Carbon Tetrachloride	<1.000	50.00	57.62	115	74-127	ug/L	08/04/15 23:32	
Chlorobenzene	<1.000	50.00	53.71	107	76-116	ug/L	08/04/15 23:32	
Chloroethane	<1.000	50.00	51.99	104	59-132	ug/L	08/04/15 23:32	
Chloroform	<1.000	50.00	55.99	112	71-118	ug/L	08/04/15 23:32	
Chloromethane	<1.000	50.00	45.22	90	62-131	ug/L	08/04/15 23:32	
Cyclohexane	<10.00	50.00	61.59	123	46-150	ug/L	08/04/15 23:32	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	54.96	110	59-135	ug/L	08/04/15 23:32	
Dibromochloromethane	<1.000	50.00	46.61	93	75-114	ug/L	08/04/15 23:32	
1,2-Dibromoethane (EDB)	<1.000	50.00	55.95	112	78-121	ug/L	08/04/15 23:32	
1,2-Dichlorobenzene	<1.000	50.00	54.85	110	80-122	ug/L	08/04/15 23:32	
1,3-Dichlorobenzene	<1.000	50.00	54.18	108	80-122	ug/L	08/04/15 23:32	
1,4-Dichlorobenzene	<1.000	50.00	52.32	105	77-118	ug/L	08/04/15 23:32	
Dichlorodifluoromethane	<1.000	50.00	46.00	92	54-139	ug/L	08/04/15 23:32	
1,1-Dichloroethane	<1.000	50.00	55.62	111	51-136	ug/L	08/04/15 23:32	
1,2-Dichloroethane	<1.000	50.00	56.55	113	64-130	ug/L	08/04/15 23:32	
1,1-Dichloroethene	<1.000	50.00	52.09	104	59-123	ug/L	08/04/15 23:32	
cis-1,2-Dichloroethene	<1.000	50.00	57.39	115	77-119	ug/L	08/04/15 23:32	
1,2-Dichloropropane	<1.000	50.00	55.48	111	75-125	ug/L	08/04/15 23:32	
cis-1,3-Dichloropropene	<1.000	50.00	51.33	103	74-123	ug/L	08/04/15 23:32	
trans-1,3-Dichloropropene	<1.000	50.00	51.49	103	73-116	ug/L	08/04/15 23:32	
trans-1,2-Dichloroethene	<1.000	50.00	56.51	113	58-134	ug/L	08/04/15 23:32	
Diisopropyl ether	<10.00	50.00	54.83	110	48-146	ug/L	08/04/15 23:32	
Ethylbenzene	<1.000	50.00	54.46	109	79-122	ug/L	08/04/15 23:32	
2-Hexanone	<10.00	50.00	61.59	123	56-134	ug/L	08/04/15 23:32	
Isopropylbenzene	<1.000	50.00	55.52	111	80-128	ug/L	08/04/15 23:32	
Methyl Acetate	<10.00	50.00	55.21	110	47-145	ug/L	08/04/15 23:32	
Methylcyclohexane	<10.00	50.00	58.60	117	61-155	ug/L	08/04/15 23:32	
Methylene Chloride	<1.000	50.00	56.59	113	61-126	ug/L	08/04/15 23:32	
4-Methyl-2-Pentanone	<5.000	50.00	57.28	115	45-145	ug/L	08/04/15 23:32	
Methyl-t-butyl ether	<1.000	50.00	56.00	112	30-168	ug/L	08/04/15 23:32	
Naphthalene	<1.000	50.00	53.50	107	46-154	ug/L	08/04/15 23:32	
Styrene	<1.000	50.00	51.20	102	73-118	ug/L	08/04/15 23:32	
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.46	107	71-126	ug/L	08/04/15 23:32	
Tetrachloroethene	<1.000	50.00	56.35	113	78-113	ug/L	08/04/15 23:32	
Toluene	<1.000	50.00	68.56	137	77-123	ug/L	08/04/15 23:32	H
1,2,3-Trichlorobenzene	<1.000	50.00	55.76	112	66-140	ug/L	08/04/15 23:32	
1,2,4-Trichlorobenzene	<1.000	50.00	53.51	107	72-143	ug/L	08/04/15 23:32	
1,1,1-Trichloroethane	<1.000	50.00	56.92	114	66-133	ug/L	08/04/15 23:32	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 124846

Matrix: Water

Date Prep: 08/04/15

MB Sample Id: 56654-1-BLK

LCS Sample Id: 56654-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	59.71	119	72-128	ug/L	08/04/15 23:32	
Trichloroethene	<1.000	50.00	57.32	115	72-127	ug/L	08/04/15 23:32	
Trichlorofluoromethane	<5.000	50.00	53.87	108	45-130	ug/L	08/04/15 23:32	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	54.78	110	56-126	ug/L	08/04/15 23:32	
Vinyl Chloride	<1.000	50.00	47.67	95	64-132	ug/L	08/04/15 23:32	
m,p-Xylenes	<2.000	100	133.3	133	78-119	ug/L	08/04/15 23:32	H
o-Xylene	<1.000	50.00	62.49	125	79-123	ug/L	08/04/15 23:32	H

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	105		97		81-133	%	08/04/15 23:32
Dibromofluoromethane	103		103		84-110	%	08/04/15 23:32
Toluene-D8	103		103		94-109	%	08/04/15 23:32

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Water Date Prep: 08/05/15
MB Sample Id: 56672-1-BLK LCS Sample Id: 56672-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	47.32	95	53-146	ug/L	08/05/15 11:42	
tert-Amyl alcohol	<20.00	50.00	45.10	90	27-139	ug/L	08/05/15 11:42	
tert-Amyl ethyl ether	<10.00	50.00	49.33	99	60-121	ug/L	08/05/15 11:42	
tert-Amyl methyl ether	<10.00	50.00	51.45	103	61-129	ug/L	08/05/15 11:42	
Benzene	<1.000	50.00	54.63	109	77-122	ug/L	08/05/15 11:42	
Bromochloromethane	<1.000	50.00	56.43	113	71-122	ug/L	08/05/15 11:42	
Bromodichloromethane	<1.000	50.00	56.25	113	76-122	ug/L	08/05/15 11:42	
Bromoform	<5.000	50.00	48.20	96	69-115	ug/L	08/05/15 11:42	
Bromomethane	<1.000	50.00	47.98	96	40-147	ug/L	08/05/15 11:42	
tert-Butyl alcohol	<20.00	50.00	51.78	104	15-150	ug/L	08/05/15 11:42	
2-Butanone (MEK)	<10.00	50.00	49.28	99	56-133	ug/L	08/05/15 11:42	
tert-Butyl ethyl ether	<10.00	50.00	53.62	107	62-137	ug/L	08/05/15 11:42	
Carbon Disulfide	<10.00	50.00	54.53	109	62-134	ug/L	08/05/15 11:42	
Carbon Tetrachloride	<1.000	50.00	54.92	110	74-127	ug/L	08/05/15 11:42	
Chlorobenzene	<1.000	50.00	51.37	103	76-116	ug/L	08/05/15 11:42	
Chloroethane	<1.000	50.00	47.82	96	59-132	ug/L	08/05/15 11:42	
Chloroform	<1.000	50.00	54.46	109	71-118	ug/L	08/05/15 11:42	
Chloromethane	<1.000	50.00	45.25	91	62-131	ug/L	08/05/15 11:42	
Cyclohexane	<10.00	50.00	53.15	106	46-150	ug/L	08/05/15 11:42	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	49.56	99	59-135	ug/L	08/05/15 11:42	
Dibromochloromethane	<1.000	50.00	45.12	90	75-114	ug/L	08/05/15 11:42	
1,2-Dibromoethane (EDB)	<1.000	50.00	52.94	106	78-121	ug/L	08/05/15 11:42	
1,2-Dichlorobenzene	<1.000	50.00	53.97	108	80-122	ug/L	08/05/15 11:42	
1,3-Dichlorobenzene	<1.000	50.00	52.67	105	80-122	ug/L	08/05/15 11:42	
1,4-Dichlorobenzene	<1.000	50.00	50.66	101	77-118	ug/L	08/05/15 11:42	
Dichlorodifluoromethane	<1.000	50.00	54.88	110	54-139	ug/L	08/05/15 11:42	
1,1-Dichloroethane	<1.000	50.00	53.06	106	51-136	ug/L	08/05/15 11:42	
1,2-Dichloroethane	<1.000	50.00	54.08	108	64-130	ug/L	08/05/15 11:42	
1,1-Dichloroethene	<1.000	50.00	49.68	99	59-123	ug/L	08/05/15 11:42	
cis-1,2-Dichloroethene	<1.000	50.00	53.96	108	77-119	ug/L	08/05/15 11:42	
1,2-Dichloropropane	<1.000	50.00	52.99	106	75-125	ug/L	08/05/15 11:42	
cis-1,3-Dichloropropene	<1.000	50.00	51.01	102	74-123	ug/L	08/05/15 11:42	
trans-1,3-Dichloropropene	<1.000	50.00	51.08	102	73-116	ug/L	08/05/15 11:42	
trans-1,2-Dichloroethene	<1.000	50.00	55.03	110	58-134	ug/L	08/05/15 11:42	
Diisopropyl ether	<10.00	50.00	53.58	107	48-146	ug/L	08/05/15 11:42	
Ethylbenzene	<1.000	50.00	52.27	105	79-122	ug/L	08/05/15 11:42	
2-Hexanone	<10.00	50.00	50.17	100	56-134	ug/L	08/05/15 11:42	
Isopropylbenzene	<1.000	50.00	53.70	107	80-128	ug/L	08/05/15 11:42	
Methyl Acetate	<10.00	50.00	48.66	97	47-145	ug/L	08/05/15 11:42	
Methylcyclohexane	<10.00	50.00	57.04	114	61-155	ug/L	08/05/15 11:42	
Methylene Chloride	<1.000	50.00	53.87	108	61-126	ug/L	08/05/15 11:42	
4-Methyl-2-Pentanone	<5.000	50.00	48.58	97	45-145	ug/L	08/05/15 11:42	
Methyl-t-butyl ether	<1.000	50.00	54.35	109	30-168	ug/L	08/05/15 11:42	
Naphthalene	<1.000	50.00	50.30	101	46-154	ug/L	08/05/15 11:42	
Styrene	<1.000	50.00	47.25	95	73-118	ug/L	08/05/15 11:42	
1,1,2,2-Tetrachloroethane	<1.000	50.00	51.04	102	71-126	ug/L	08/05/15 11:42	
Tetrachloroethene	<1.000	50.00	56.27	113	78-113	ug/L	08/05/15 11:42	
Toluene	<1.000	50.00	55.24	110	77-123	ug/L	08/05/15 11:42	
1,2,3-Trichlorobenzene	<1.000	50.00	53.20	106	66-140	ug/L	08/05/15 11:42	
1,2,4-Trichlorobenzene	<1.000	50.00	53.17	106	72-143	ug/L	08/05/15 11:42	
1,1,1-Trichloroethane	<1.000	50.00	53.69	107	66-133	ug/L	08/05/15 11:42	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Water Date Prep: 08/05/15
MB Sample Id: 56672-1-BLK LCS Sample Id: 56672-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	56.11	112	72-128	ug/L	08/05/15 11:42	
Trichloroethene	<1.000	50.00	54.72	109	72-127	ug/L	08/05/15 11:42	
Trichlorofluoromethane	<5.000	50.00	53.22	106	45-130	ug/L	08/05/15 11:42	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	48.81	98	56-126	ug/L	08/05/15 11:42	
Vinyl Chloride	<1.000	50.00	49.60	99	64-132	ug/L	08/05/15 11:42	
m,p-Xylenes	<2.000	100	105.4	105	78-119	ug/L	08/05/15 11:42	
o-Xylene	<1.000	50.00	48.34	97	79-123	ug/L	08/05/15 11:42	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	103		98		81-133	%	08/05/15 11:42
Dibromofluoromethane	105		105		84-110	%	08/05/15 11:42
Toluene-D8	103		103		94-109	%	08/05/15 11:42

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Water Date Prep: 08/05/15
MB Sample Id: 56673-1-BLK LCS Sample Id: 56673-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	59.54	119	53-146	ug/L	08/06/15 00:35	
tert-Amyl alcohol	<20.00	50.00	50.91	102	27-139	ug/L	08/06/15 00:35	
tert-Amyl ethyl ether	<10.00	50.00	50.48	101	60-121	ug/L	08/06/15 00:35	
tert-Amyl methyl ether	<10.00	50.00	54.43	109	61-129	ug/L	08/06/15 00:35	
Benzene	<1.000	50.00	55.61	111	77-122	ug/L	08/06/15 00:35	
Bromochloromethane	<1.000	50.00	59.01	118	71-122	ug/L	08/06/15 00:35	
Bromodichloromethane	<1.000	50.00	58.50	117	76-122	ug/L	08/06/15 00:35	
Bromoform	<5.000	50.00	49.01	98	69-115	ug/L	08/06/15 00:35	
Bromomethane	<1.000	50.00	47.79	96	40-147	ug/L	08/06/15 00:35	
tert-Butyl alcohol	<20.00	50.00	55.36	111	15-150	ug/L	08/06/15 00:35	
2-Butanone (MEK)	<10.00	50.00	62.74	125	56-133	ug/L	08/06/15 00:35	
tert-Butyl ethyl ether	<10.00	50.00	56.15	112	62-137	ug/L	08/06/15 00:35	
Carbon Disulfide	<10.00	50.00	55.00	110	62-134	ug/L	08/06/15 00:35	
Carbon Tetrachloride	<1.000	50.00	56.76	114	74-127	ug/L	08/06/15 00:35	
Chlorobenzene	<1.000	50.00	51.18	102	76-116	ug/L	08/06/15 00:35	
Chloroethane	<1.000	50.00	47.91	96	59-132	ug/L	08/06/15 00:35	
Chloroform	<1.000	50.00	55.78	112	71-118	ug/L	08/06/15 00:35	
Chloromethane	<1.000	50.00	48.01	96	62-131	ug/L	08/06/15 00:35	
Cyclohexane	<10.00	50.00	53.64	107	46-150	ug/L	08/06/15 00:35	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	54.45	109	59-135	ug/L	08/06/15 00:35	
Dibromochloromethane	<1.000	50.00	46.18	92	75-114	ug/L	08/06/15 00:35	
1,2-Dibromoethane (EDB)	<1.000	50.00	54.80	110	78-121	ug/L	08/06/15 00:35	
1,2-Dichlorobenzene	<1.000	50.00	53.97	108	80-122	ug/L	08/06/15 00:35	
1,3-Dichlorobenzene	<1.000	50.00	52.08	104	80-122	ug/L	08/06/15 00:35	
1,4-Dichlorobenzene	<1.000	50.00	49.89	100	77-118	ug/L	08/06/15 00:35	
Dichlorodifluoromethane	<1.000	50.00	52.92	106	54-139	ug/L	08/06/15 00:35	
1,1-Dichloroethane	<1.000	50.00	54.12	108	51-136	ug/L	08/06/15 00:35	
1,2-Dichloroethane	<1.000	50.00	56.53	113	64-130	ug/L	08/06/15 00:35	
1,1-Dichloroethene	<1.000	50.00	49.87	100	59-123	ug/L	08/06/15 00:35	
cis-1,2-Dichloroethene	<1.000	50.00	57.03	114	77-119	ug/L	08/06/15 00:35	
1,2-Dichloropropane	<1.000	50.00	54.54	109	75-125	ug/L	08/06/15 00:35	
cis-1,3-Dichloropropene	<1.000	50.00	50.69	101	74-123	ug/L	08/06/15 00:35	
trans-1,3-Dichloropropene	<1.000	50.00	50.76	102	73-116	ug/L	08/06/15 00:35	
trans-1,2-Dichloroethene	<1.000	50.00	55.78	112	58-134	ug/L	08/06/15 00:35	
Diisopropyl ether	<10.00	50.00	54.95	110	48-146	ug/L	08/06/15 00:35	
Ethylbenzene	<1.000	50.00	51.93	104	79-122	ug/L	08/06/15 00:35	
2-Hexanone	<10.00	50.00	61.29	123	56-134	ug/L	08/06/15 00:35	
Isopropylbenzene	<1.000	50.00	53.94	108	80-128	ug/L	08/06/15 00:35	
Methyl Acetate	<10.00	50.00	53.74	107	47-145	ug/L	08/06/15 00:35	
Methylcyclohexane	<10.00	50.00	55.38	111	61-155	ug/L	08/06/15 00:35	
Methylene Chloride	<1.000	50.00	54.53	109	61-126	ug/L	08/06/15 00:35	
4-Methyl-2-Pentanone	<5.000	50.00	57.01	114	45-145	ug/L	08/06/15 00:35	
Methyl-t-butyl ether	<1.000	50.00	57.87	116	30-168	ug/L	08/06/15 00:35	
Naphthalene	<1.000	50.00	55.10	110	46-154	ug/L	08/06/15 00:35	
Styrene	<1.000	50.00	47.46	95	73-118	ug/L	08/06/15 00:35	
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.05	106	71-126	ug/L	08/06/15 00:35	
Tetrachloroethene	<1.000	50.00	56.56	113	78-113	ug/L	08/06/15 00:35	
Toluene	<1.000	50.00	56.63	113	77-123	ug/L	08/06/15 00:35	
1,2,3-Trichlorobenzene	<1.000	50.00	56.07	112	66-140	ug/L	08/06/15 00:35	
1,2,4-Trichlorobenzene	<1.000	50.00	53.58	107	72-143	ug/L	08/06/15 00:35	
1,1,1-Trichloroethane	<1.000	50.00	55.66	111	66-133	ug/L	08/06/15 00:35	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 124883

Matrix: Water

Date Prep: 08/05/15

MB Sample Id: 56673-1-BLK

LCS Sample Id: 56673-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	59.33	119	72-128	ug/L	08/06/15 00:35	
Trichloroethene	<1.000	50.00	55.44	111	72-127	ug/L	08/06/15 00:35	
Trichlorofluoromethane	<5.000	50.00	52.19	104	45-130	ug/L	08/06/15 00:35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	46.55	93	56-126	ug/L	08/06/15 00:35	
Vinyl Chloride	<1.000	50.00	50.67	101	64-132	ug/L	08/06/15 00:35	
m,p-Xylenes	<2.000	100	104	104	78-119	ug/L	08/06/15 00:35	
o-Xylene	<1.000	50.00	48.61	97	79-123	ug/L	08/06/15 00:35	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		99		81-133	%	08/06/15 00:35
Dibromofluoromethane	106		106		84-110	%	08/06/15 00:35
Toluene-D8	103		104		94-109	%	08/06/15 00:35

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/15
Parent Sample Id: 15073021-002 MS Sample Id: 15073021-002 S MSD Sample Id: 15073021-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	57.39	115	61.63	123	41-161	7	25	ug/L	08/05/15 01:53	
tert-Amyl alcohol	<20.00	50.00	49.45	99	55.90	112	5-149	12	25	ug/L	08/05/15 01:53	
tert-Amyl ethyl ether	<10.00	50.00	52.56	105	53.19	106	48-129	1	25	ug/L	08/05/15 01:53	
tert-Amyl methyl ether	<10.00	50.00	56.76	114	57.12	114	50-139	1	25	ug/L	08/05/15 01:53	
Benzene	<1.000	50.00	74.62	149	72.12	144	75-132	3	25	ug/L	08/05/15 01:53	X
Bromochloromethane	<1.000	50.00	64.16	128	63.61	127	67-130	1	25	ug/L	08/05/15 01:53	
Bromodichloromethane	<1.000	50.00	64.39	129	63.74	127	69-134	1	25	ug/L	08/05/15 01:53	
Bromoform	<5.000	50.00	55.06	110	53.56	107	65-115	3	25	ug/L	08/05/15 01:53	
Bromomethane	<1.000	50.00	55.04	110	52.65	105	29-154	4	25	ug/L	08/05/15 01:53	
tert-Butyl alcohol	<20.00	50.00	59.78	120	58.86	118	1-183	2	25	ug/L	08/05/15 01:53	
2-Butanone (MEK)	<10.00	50.00	52.74	105	52.65	105	47-140	0	25	ug/L	08/05/15 01:53	
tert-Butyl ethyl ether	<10.00	50.00	57.86	116	58.93	118	55-141	2	25	ug/L	08/05/15 01:53	
Carbon Disulfide	<10.00	50.00	62.21	124	60.14	120	59-146	3	25	ug/L	08/05/15 01:53	
Carbon Tetrachloride	<1.000	50.00	63.95	128	63.65	127	74-136	0	25	ug/L	08/05/15 01:53	
Chlorobenzene	<1.000	50.00	60.07	120	57.74	115	78-115	4	25	ug/L	08/05/15 01:53	X
Chloroethane	<1.000	50.00	56.50	113	55.91	112	40-150	1	25	ug/L	08/05/15 01:53	
Chloroform	<1.000	50.00	62.69	125	61.67	123	67-130	2	25	ug/L	08/05/15 01:53	
Chloromethane	<1.000	50.00	54.76	110	48.64	97	59-144	12	25	ug/L	08/05/15 01:53	
Cyclohexane	<10.00	50.00	65.53	131	67.40	135	34-161	3	25	ug/L	08/05/15 01:53	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	58.73	117	57.79	116	45-125	2	25	ug/L	08/05/15 01:53	
Dibromochloromethane	<1.000	50.00	51.37	103	50.65	101	73-114	1	25	ug/L	08/05/15 01:53	
1,2-Dibromoethane (EDB)	<1.000	50.00	60.66	121	60.27	121	72-126	1	25	ug/L	08/05/15 01:53	
1,2-Dichlorobenzene	<1.000	50.00	59.91	120	59.44	119	73-117	1	25	ug/L	08/05/15 01:53	X
1,3-Dichlorobenzene	<1.000	50.00	59.48	119	57.68	115	73-117	3	25	ug/L	08/05/15 01:53	X
1,4-Dichlorobenzene	<1.000	50.00	56.42	113	55.65	111	72-111	1	25	ug/L	08/05/15 01:53	X
Dichlorodifluoromethane	<1.000	50.00	50.22	100	50.53	101	47-159	1	25	ug/L	08/05/15 01:53	
1,1-Dichloroethane	<1.000	50.00	61.70	123	60.00	120	44-152	3	25	ug/L	08/05/15 01:53	
1,2-Dichloroethane	<1.000	50.00	62.10	124	61.65	123	60-142	1	25	ug/L	08/05/15 01:53	
1,1-Dichloroethene	<1.000	50.00	58.92	118	57.01	114	50-136	3	25	ug/L	08/05/15 01:53	
cis-1,2-Dichloroethene	<1.000	50.00	63.58	127	62.66	125	76-127	1	25	ug/L	08/05/15 01:53	
1,2-Dichloropropane	<1.000	50.00	62.06	124	60.66	121	70-139	2	25	ug/L	08/05/15 01:53	
cis-1,3-Dichloropropene	<1.000	50.00	55.04	110	54.66	109	64-127	1	25	ug/L	08/05/15 01:53	
trans-1,3-Dichloropropene	<1.000	50.00	55.41	111	55.01	110	62-123	1	25	ug/L	08/05/15 01:53	
trans-1,2-Dichloroethene	<1.000	50.00	62.74	125	61.77	124	54-144	2	25	ug/L	08/05/15 01:53	
Diisopropyl ether	<10.00	50.00	58.94	118	59.13	118	49-150	0	25	ug/L	08/05/15 01:53	
Ethylbenzene	<1.000	50.00	61.05	122	58.75	118	74-129	4	25	ug/L	08/05/15 01:53	
2-Hexanone	<10.00	50.00	54.59	109	54.26	109	50-130	1	25	ug/L	08/05/15 01:53	
Isopropylbenzene	<1.000	50.00	60.45	121	60.06	120	72-130	1	25	ug/L	08/05/15 01:53	
Methyl Acetate	<10.00	50.00	46.28	93	46.24	92	37-143	0	25	ug/L	08/05/15 01:53	
Methylcyclohexane	<10.00	50.00	66.22	132	64.18	128	55-148	3	25	ug/L	08/05/15 01:53	
Methylene Chloride	<1.000	50.00	61.30	123	60.51	121	56-137	1	25	ug/L	08/05/15 01:53	
4-Methyl-2-Pentanone	<5.000	50.00	47.61	95	47.59	95	44-133	0	25	ug/L	08/05/15 01:53	
Methyl-t-butyl ether	<1.000	50.00	59.70	119	60.50	121	22-182	1	25	ug/L	08/05/15 01:53	
Naphthalene	<1.000	50.00	55.38	111	58.01	116	7-137	5	25	ug/L	08/05/15 01:53	
Styrene	<1.000	50.00	56.09	112	54.03	108	67-121	4	25	ug/L	08/05/15 01:53	
1,1,2,2-Tetrachloroethane	<1.000	50.00	58.63	117	57.71	115	68-127	2	25	ug/L	08/05/15 01:53	
Tetrachloroethene	<1.000	50.00	63.58	127	62.88	126	69-126	1	25	ug/L	08/05/15 01:53	X
Toluene	<1.000	50.00	77.34	155	74.97	150	74-132	3	25	ug/L	08/05/15 01:53	X
1,2,3-Trichlorobenzene	<1.000	50.00	57.04	114	59.05	118	9-139	3	25	ug/L	08/05/15 01:53	
1,2,4-Trichlorobenzene	<1.000	50.00	56.75	114	57.82	116	31-135	2	25	ug/L	08/05/15 01:53	
1,1,1-Trichloroethane	<1.000	50.00	61.57	123	62.19	124	70-138	1	25	ug/L	08/05/15 01:53	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124846 Matrix: Ground Water Date Prep: 08/04/15
Parent Sample Id: 15073021-002 MS Sample Id: 15073021-002 S MSD Sample Id: 15073021-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	65.61	131	64.36	129	65-143	2	25	ug/L	08/05/15 01:53	
Trichloroethene	<1.000	50.00	62.74	125	61.30	123	67-139	2	25	ug/L	08/05/15 01:53	
Trichlorofluoromethane	<5.000	50.00	61.24	122	58.72	117	37-147	4	25	ug/L	08/05/15 01:53	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	55.97	112	60.76	122	47-139	8	25	ug/L	08/05/15 01:53	
Vinyl Chloride	<1.000	50.00	56.57	113	52.53	105	60-146	7	25	ug/L	08/05/15 01:53	
m,p-Xylenes	<2.000	100	150.8	151	145	145	78-119	4	25	ug/L	08/05/15 01:53	X
o-Xylene	<1.000	50.00	69.52	139	67.36	135	80-123	3	25	ug/L	08/05/15 01:53	X

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		98		81-133	%	08/05/15 01:53
Dibromofluoromethane	105		104		84-110	%	08/05/15 01:53
Toluene-D8	102		103		94-109	%	08/05/15 01:53

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/15
Parent Sample Id: 15073021-014 MS Sample Id: 15073021-014 S MSD Sample Id: 15073021-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	46.66	93	48.35	97	41-161	4	25	ug/L	08/05/15 14:07	
tert-Amyl alcohol	<20.00	50.00	43.36	87	48.02	96	5-149	10	25	ug/L	08/05/15 14:07	
tert-Amyl ethyl ether	<10.00	50.00	46.17	92	46.03	92	48-129	0	25	ug/L	08/05/15 14:07	
tert-Amyl methyl ether	<10.00	50.00	48.49	97	48.72	97	50-139	0	25	ug/L	08/05/15 14:07	
Benzene	<1.000	50.00	53.50	107	52.18	104	75-132	2	25	ug/L	08/05/15 14:07	
Bromochloromethane	<1.000	50.00	54.25	109	53.72	107	67-130	1	25	ug/L	08/05/15 14:07	
Bromodichloromethane	<1.000	50.00	53.86	108	53.40	107	69-134	1	25	ug/L	08/05/15 14:07	
Bromoform	<5.000	50.00	44.97	90	44.31	89	65-115	1	25	ug/L	08/05/15 14:07	
Bromomethane	<1.000	50.00	49.36	99	46.94	94	29-154	5	25	ug/L	08/05/15 14:07	
tert-Butyl alcohol	<20.00	50.00	49.72	99	49.28	99	1-183	1	25	ug/L	08/05/15 14:07	
2-Butanone (MEK)	<10.00	50.00	44.87	90	45.12	90	47-140	1	25	ug/L	08/05/15 14:07	
tert-Butyl ethyl ether	<10.00	50.00	50.06	100	50.50	101	55-141	1	25	ug/L	08/05/15 14:07	
Carbon Disulfide	<10.00	50.00	53.60	107	52.15	104	59-146	3	25	ug/L	08/05/15 14:07	
Carbon Tetrachloride	<1.000	50.00	54.82	110	53.46	107	74-136	3	25	ug/L	08/05/15 14:07	
Chlorobenzene	<1.000	50.00	49.63	99	47.67	95	78-115	4	25	ug/L	08/05/15 14:07	
Chloroethane	<1.000	50.00	50.28	101	46.64	93	40-150	8	25	ug/L	08/05/15 14:07	
Chloroform	<1.000	50.00	53.00	106	51.95	104	67-130	2	25	ug/L	08/05/15 14:07	
Chloromethane	<1.000	50.00	46.69	93	46.31	93	59-144	1	25	ug/L	08/05/15 14:07	
Cyclohexane	<10.00	50.00	55.03	110	50.62	101	34-161	8	25	ug/L	08/05/15 14:07	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	47.58	95	48.99	98	45-125	3	25	ug/L	08/05/15 14:07	
Dibromochloromethane	<1.000	50.00	42.42	85	41.97	84	73-114	1	25	ug/L	08/05/15 14:07	
1,2-Dibromoethane (EDB)	<1.000	50.00	49.35	99	49.65	99	72-126	1	25	ug/L	08/05/15 14:07	
1,2-Dichlorobenzene	<1.000	50.00	50.11	100	50.44	101	73-117	1	25	ug/L	08/05/15 14:07	
1,3-Dichlorobenzene	<1.000	50.00	49.66	99	48.93	98	73-117	1	25	ug/L	08/05/15 14:07	
1,4-Dichlorobenzene	<1.000	50.00	48.08	96	48.10	96	72-111	0	25	ug/L	08/05/15 14:07	
Dichlorodifluoromethane	<1.000	50.00	52.45	105	50.18	100	47-159	4	25	ug/L	08/05/15 14:07	
1,1-Dichloroethane	<1.000	50.00	52.13	104	50.64	101	44-152	3	25	ug/L	08/05/15 14:07	
1,2-Dichloroethane	<1.000	50.00	51.68	103	51.00	102	60-142	1	25	ug/L	08/05/15 14:07	
1,1-Dichloroethene	<1.000	50.00	49.44	99	48.64	97	50-136	2	25	ug/L	08/05/15 14:07	
cis-1,2-Dichloroethene	<1.000	50.00	54.04	108	52.84	106	76-127	2	25	ug/L	08/05/15 14:07	
1,2-Dichloropropane	<1.000	50.00	51.34	103	50.41	101	70-139	2	25	ug/L	08/05/15 14:07	
cis-1,3-Dichloropropene	<1.000	50.00	48.26	97	47.60	95	64-127	1	25	ug/L	08/05/15 14:07	
trans-1,3-Dichloropropene	<1.000	50.00	48.30	97	47.45	95	62-123	2	25	ug/L	08/05/15 14:07	
trans-1,2-Dichloroethene	<1.000	50.00	53.49	107	52.14	104	54-144	3	25	ug/L	08/05/15 14:07	
Diisopropyl ether	<10.00	50.00	50.34	101	50.22	100	49-150	0	25	ug/L	08/05/15 14:07	
Ethylbenzene	<1.000	50.00	50.92	102	49.72	99	74-129	2	25	ug/L	08/05/15 14:07	
2-Hexanone	<10.00	50.00	45.24	90	45.24	90	50-130	0	25	ug/L	08/05/15 14:07	
Isopropylbenzene	<1.000	50.00	50.76	102	50.99	102	72-130	0	25	ug/L	08/05/15 14:07	
Methyl Acetate	<10.00	50.00	48.46	97	47.18	94	37-143	3	25	ug/L	08/05/15 14:07	
Methylcyclohexane	<10.00	50.00	55.82	112	52.75	106	55-148	6	25	ug/L	08/05/15 14:07	
Methylene Chloride	<1.000	50.00	52.47	105	51.20	102	56-137	2	25	ug/L	08/05/15 14:07	
4-Methyl-2-Pentanone	<5.000	50.00	39.82	80	42.18	84	44-133	6	25	ug/L	08/05/15 14:07	
Methyl-t-butyl ether	<1.000	50.00	50.67	101	51.12	102	22-182	1	25	ug/L	08/05/15 14:07	
Naphthalene	<1.000	50.00	44.79	90	47.87	96	7-137	7	25	ug/L	08/05/15 14:07	
Styrene	<1.000	50.00	46.48	93	45.73	91	67-121	2	25	ug/L	08/05/15 14:07	
1,1,2,2-Tetrachloroethane	<1.000	50.00	48.46	97	48.00	96	68-127	1	25	ug/L	08/05/15 14:07	
Tetrachloroethene	<1.000	50.00	53.40	107	52.98	106	69-126	1	25	ug/L	08/05/15 14:07	
Toluene	<1.000	50.00	53.89	108	52.75	106	74-132	2	25	ug/L	08/05/15 14:07	
1,2,3-Trichlorobenzene	<1.000	50.00	47.64	95	50.28	101	9-139	5	25	ug/L	08/05/15 14:07	
1,2,4-Trichlorobenzene	<1.000	50.00	47.78	96	49.34	99	31-135	3	25	ug/L	08/05/15 14:07	
1,1,1-Trichloroethane	<1.000	50.00	53.96	108	52.01	104	70-138	4	25	ug/L	08/05/15 14:07	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124881 Matrix: Ground Water Date Prep: 08/05/15
Parent Sample Id: 15073021-014 MS Sample Id: 15073021-014 S MSD Sample Id: 15073021-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	54.51	109	52.91	106	65-143	3	25	ug/L	08/05/15 14:07	
Trichloroethene	<1.000	50.00	53.02	106	51.89	104	67-139	2	25	ug/L	08/05/15 14:07	
Trichlorofluoromethane	<5.000	50.00	54.38	109	50.08	100	37-147	8	25	ug/L	08/05/15 14:07	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	56.10	112	48.63	97	47-139	14	25	ug/L	08/05/15 14:07	
Vinyl Chloride	<1.000	50.00	51.55	103	49.66	99	60-146	4	25	ug/L	08/05/15 14:07	
m,p-Xylenes	<2.000	100	102.6	103	100.8	101	78-119	2	25	ug/L	08/05/15 14:07	
o-Xylene	<1.000	50.00	46.69	93	46.02	92	80-123	1	25	ug/L	08/05/15 14:07	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		97		81-133	%	08/05/15 14:07
Dibromofluoromethane	106		106		84-110	%	08/05/15 14:07
Toluene-D8	102		102		94-109	%	08/05/15 14:07

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/15
Parent Sample Id: 15073021-026 MS Sample Id: 15073021-026 S MSD Sample Id: 15073021-026 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	60.06	120	61.08	122	41-161	2	25	ug/L	08/06/15 02:55	
tert-Amyl alcohol	<20.00	50.00	52.30	105	52.17	104	5-149	0	25	ug/L	08/06/15 02:55	
tert-Amyl ethyl ether	<10.00	50.00	46.86	94	47.10	94	48-129	1	25	ug/L	08/06/15 02:55	
tert-Amyl methyl ether	<10.00	50.00	50.91	102	50.09	100	50-139	2	25	ug/L	08/06/15 02:55	
Benzene	<1.000	50.00	55.17	110	54.00	108	75-132	2	25	ug/L	08/06/15 02:55	
Bromochloromethane	<1.000	50.00	55.83	112	55.66	111	67-130	0	25	ug/L	08/06/15 02:55	
Bromodichloromethane	<1.000	50.00	57.23	114	55.74	111	69-134	3	25	ug/L	08/06/15 02:55	
Bromoform	<5.000	50.00	47.58	95	45.10	90	65-115	5	25	ug/L	08/06/15 02:55	
Bromomethane	<1.000	50.00	49.43	99	46.85	94	29-154	5	25	ug/L	08/06/15 02:55	
tert-Butyl alcohol	<20.00	50.00	54.56	109	52.24	104	1-183	4	25	ug/L	08/06/15 02:55	
2-Butanone (MEK)	<10.00	50.00	54.48	109	55.29	111	47-140	1	25	ug/L	08/06/15 02:55	
tert-Butyl ethyl ether	<10.00	50.00	52.51	105	52.86	106	55-141	1	25	ug/L	08/06/15 02:55	
Carbon Disulfide	<10.00	50.00	55.00	110	53.44	107	59-146	3	25	ug/L	08/06/15 02:55	
Carbon Tetrachloride	<1.000	50.00	56.46	113	55.31	111	74-136	2	25	ug/L	08/06/15 02:55	
Chlorobenzene	<1.000	50.00	51.12	102	49.88	100	78-115	2	25	ug/L	08/06/15 02:55	
Chloroethane	<1.000	50.00	49.81	100	47.82	96	40-150	4	25	ug/L	08/06/15 02:55	
Chloroform	<1.000	50.00	54.98	110	54.64	109	67-130	1	25	ug/L	08/06/15 02:55	
Chloromethane	<1.000	50.00	47.69	95	46.19	92	59-144	3	25	ug/L	08/06/15 02:55	
Cyclohexane	<10.00	50.00	53.29	107	53.45	107	34-161	0	25	ug/L	08/06/15 02:55	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	52.92	106	51.31	103	45-125	3	25	ug/L	08/06/15 02:55	
Dibromochloromethane	<1.000	50.00	44.43	89	43.62	87	73-114	2	25	ug/L	08/06/15 02:55	
1,2-Dibromoethane (EDB)	<1.000	50.00	52.53	105	52.24	104	72-126	1	25	ug/L	08/06/15 02:55	
1,2-Dichlorobenzene	<1.000	50.00	52.57	105	51.30	103	73-117	2	25	ug/L	08/06/15 02:55	
1,3-Dichlorobenzene	<1.000	50.00	50.35	101	49.57	99	73-117	2	25	ug/L	08/06/15 02:55	
1,4-Dichlorobenzene	<1.000	50.00	48.37	97	48.27	97	72-111	0	25	ug/L	08/06/15 02:55	
Dichlorodifluoromethane	<1.000	50.00	51.39	103	51.11	102	47-159	1	25	ug/L	08/06/15 02:55	
1,1-Dichloroethane	<1.000	50.00	53.52	107	52.60	105	44-152	2	25	ug/L	08/06/15 02:55	
1,2-Dichloroethane	<1.000	50.00	54.20	108	53.47	107	60-142	1	25	ug/L	08/06/15 02:55	
1,1-Dichloroethene	<1.000	50.00	50.58	101	48.88	98	50-136	3	25	ug/L	08/06/15 02:55	
cis-1,2-Dichloroethene	<1.000	50.00	54.95	110	55.31	111	76-127	1	25	ug/L	08/06/15 02:55	
1,2-Dichloropropane	<1.000	50.00	53.49	107	52.09	104	70-139	3	25	ug/L	08/06/15 02:55	
cis-1,3-Dichloropropene	<1.000	50.00	48.00	96	47.49	95	64-127	1	25	ug/L	08/06/15 02:55	
trans-1,3-Dichloropropene	<1.000	50.00	49.03	98	47.67	95	62-123	3	25	ug/L	08/06/15 02:55	
trans-1,2-Dichloroethene	<1.000	50.00	54.11	108	54.06	108	54-144	0	25	ug/L	08/06/15 02:55	
Diisopropyl ether	<10.00	50.00	52.11	104	52.92	106	49-150	2	25	ug/L	08/06/15 02:55	
Ethylbenzene	<1.000	50.00	51.88	104	50.15	100	74-129	3	25	ug/L	08/06/15 02:55	
2-Hexanone	<10.00	50.00	57.44	115	57.04	114	50-130	1	25	ug/L	08/06/15 02:55	
Isopropylbenzene	<1.000	50.00	52.49	105	51.25	103	72-130	2	25	ug/L	08/06/15 02:55	
Methyl Acetate	<10.00	50.00	42.22	84	39.99	80	37-143	5	25	ug/L	08/06/15 02:55	
Methylcyclohexane	<10.00	50.00	52.99	106	51.87	104	55-148	2	25	ug/L	08/06/15 02:55	
Methylene Chloride	<1.000	50.00	53.92	108	53.27	107	56-137	1	25	ug/L	08/06/15 02:55	
4-Methyl-2-Pentanone	<5.000	50.00	51.64	103	48.74	97	44-133	6	25	ug/L	08/06/15 02:55	
Methyl-t-butyl ether	<1.000	50.00	54.11	108	54.73	109	22-182	1	25	ug/L	08/06/15 02:55	
Naphthalene	<1.000	50.00	50.96	102	51.07	102	7-137	0	25	ug/L	08/06/15 02:55	
Styrene	<1.000	50.00	46.58	93	44.69	89	67-121	4	25	ug/L	08/06/15 02:55	
1,1,2,2-Tetrachloroethane	<1.000	50.00	51.69	103	51.25	103	68-127	1	25	ug/L	08/06/15 02:55	
Tetrachloroethene	<1.000	50.00	56.28	113	55.50	111	69-126	1	25	ug/L	08/06/15 02:55	
Toluene	<1.000	50.00	55.80	112	54.21	108	74-132	3	25	ug/L	08/06/15 02:55	
1,2,3-Trichlorobenzene	<1.000	50.00	51.61	103	52.25	105	9-139	1	25	ug/L	08/06/15 02:55	
1,2,4-Trichlorobenzene	<1.000	50.00	49.98	100	50.35	101	31-135	1	25	ug/L	08/06/15 02:55	
1,1,1-Trichloroethane	<1.000	50.00	54.95	110	54.81	110	70-138	0	25	ug/L	08/06/15 02:55	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15073021

UMM Shore Regional Health at Chestertown
CRHC

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

Seq Number: 124883 Matrix: Ground Water Date Prep: 08/05/15

Parent Sample Id: 15073021-026 MS Sample Id: 15073021-026 S MSD Sample Id: 15073021-026 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	58.34	117	56.24	112	65-143	4	25	ug/L	08/06/15 02:55	
Trichloroethene	<1.000	50.00	54.13	108	53.45	107	67-139	1	25	ug/L	08/06/15 02:55	
Trichlorofluoromethane	<5.000	50.00	53.50	107	52.15	104	37-147	3	25	ug/L	08/06/15 02:55	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	52.55	105	51.65	103	47-139	2	25	ug/L	08/06/15 02:55	
Vinyl Chloride	<1.000	50.00	52.22	104	50.32	101	60-146	4	25	ug/L	08/06/15 02:55	
m,p-Xylenes	<2.000	100	103.5	104	100.2	100	78-119	3	25	ug/L	08/06/15 02:55	
o-Xylene	<1.000	50.00	47.64	95	45.83	92	80-123	4	25	ug/L	08/06/15 02:55	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		98		81-133	%	08/06/15 02:55
Dibromofluoromethane	106		106		84-110	%	08/06/15 02:55
Toluene-D8	104		103		94-109	%	08/06/15 02:55

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 HANNON *PHONE NO.: 302) 656-9600
EMAIL: KHANNON@BRIGHTFIELD FAX NO.: ( )
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: CHESTERTOWN, MD P.O. NO.:
SAMPLER(S): R. MORTEL / K PLATT DW CERT NO.:

PSS Work Order #: 15073021 PAGE 1 OF 4

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	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES								REMARKS
						Preservatives Used		HCL	HCL									
						Analysis/ Method Required (3) *												
	MW19	7/29/15	1500	GW	5	G	X	X	X	X								
	MW21	7/29/15	1510				X	X	X	X								
	MW50	7/30/15	750				X	X	X	X								
	MW49		815				X	X	X	X								
	MW48		800				X	X	X	X								
	MW14		800				X	X	X	X								
	MW41		820				X	X	X	X								
	MW13		840				X	X	X	X								
	MW11		845				X	X	X	X								
	MW32		850				X	X	X	X								

(5)

Relinquished By:	Date	Time	Received By:
(1) R. Mortel	7/30/15	1505	Van Carter #2035
(2) Van Carter #2035	07/30/15	17:15	[illegible]
(3)			
(4)			

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

# of Coolers: 7
Custody Seal: ABS
Ice Present: Yes Temp: 12, 14, 10, 13, 13, 9, 12
Shipping Carrier: JTE

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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

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) 856-9600
EMAIL: KHANNON@BRIGHTFIELD FAX NO.: ( )
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: CHESTERTOWN, MD P.O. NO.:
SAMPLER(S): R MORTEL / K PLATT DW CERT NO.:

PSS Work Order #: 15073021 PAGE 2 OF 4

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	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES								REMARKS
						Preservatives Used			HCL	HCL								
						Analysis/ Method Required (3) *												
	MW40	7/30/15	900	GW	5	G	X	X	X	X								
	MW9	↓	925	↓	↓	↓	↓	↓	↓	↓								
	MW12	↓	920	↓	↓	↓	↓	↓	↓	↓								
	MW45	↓	940	↓	↓	↓	↓	↓	↓	↓								
	MW46	↓	950	↓	↓	↓	↓	↓	↓	↓								
	MW47	↓	1000	↓	↓	↓	↓	↓	↓	↓								
	MW31R	↓	1020	↓	↓	↓	↓	↓	↓	↓								
	MW44	↓	1040	↓	↓	↓	↓	↓	↓	↓								
	MW10R	↓	1035	↓	↓	↓	↓	↓	↓	↓								
	MW43	↓	1045	↓	↓	↓	↓	↓	↓	↓								

(5)

Relinquished By: (1)	Date	Time	Received By:
R Mortel	7/30/15	1505	Sam Carter #2035
Relinquished By: (2)	Date	Time	Received By:
Sam Carter #2035	07/30/15	17:15	[illegible]
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 _____

Special Instructions:

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

# of Coolers: 7
Custody Seal: ABS
Ice Present: Pres Temp: 12, 14, 10, 13, 13, 9, 12
Shipping Carrier: TTE

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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@BRIGHTFIELD FAX NO.: ( )
*PROJECT NAME: CRAC PROJECT NO.:
SITE LOCATION: CHESTERTOWN, MD P.O. NO.:
SAMPLER(S): R. MORTEL / K. PLATT DW CERT NO.:

PSS Work Order #: 15073021 PAGE 3 OF 4

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	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FIXED GAS/ETHANOL	REMARKS
Preservatives Used								HCL	HCL		
	MW42	7/30/15	1055	GW	5	G	X	X	X	X	
	MW4		1110								
	MW2		1115								
	MW1		1125								
	MW3		1125								
	MW5		1140								
	MW37		1145								
	RW2D		1210								
	RW3B		1215								
	RW4		1220								

(5)

Relinquished By: (1)	Date	Time	Received By:
[signature]	7/30/15	1505	[signature], #2035
Relinquished By: (2)	Date	Time	Received By:
[signature], #2035	07/30/15		
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 _____

Special Instructions:

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

# of Coolers: 7
Custody Seal: ABS
Ice Present: Pres Temp: 12, 14, 10, 13, 13, 9, 12
Shipping Carrier: JTE

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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

(1)

*CLIENT: UNM *OFFICE LOC: WILMINGTON, DE

*PROJECT MGR: KEN HANNON *PHONE NO.: 302) 656-9600

EMAIL: KHANNON@BRIGHTFIELD FAX NO.: ( )

*PROJECT NAME: CRHC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEL / K. PLATT DW CERT NO.:

PSS Work Order #: 15073021 PAGE 4 OF 4

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	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES								REMARKS
Preservatives Used								HCL	HCL									
	RW5	7/30/15	1225	GW	5	G	X	X	X	X								
	RW6	↓	1230	↓	↓	↓	↓	↓	↓	↓								
	MW22	↓	1235	↓	↓	↓	↓	↓	↓	↓								
	SYS EFF	↓	1240	↓	↓	↓	↓	↓	↓	↓								

(3) *

(5)

Relinquished By: (1)	Date	Time	Received By:
R. Mortel	7/30/15	1505	Van Carter, #2035
Relinquished By: (2)	Date	Time	Received By:
Van Carter, #2035	07/30/15	17:15	[illegible]
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 _____

Special Instructions:

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE _____

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

# of Coolers: 7

Custody Seal: ABS

Ice Present: Prer Temp: 12,14,10,13, 13,9,12

Shipping Carrier: TTE

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Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	15073021	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	07/30/2015 05:15:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/03/2015	**Tracking No**	Not Applicable
		Logged In By	Jacob Prucnal

Shipping Container(s)

No. of Coolers 7

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	9
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)	12
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	13
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	14
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

COC agrees with sample labels?	Yes	Sampler Name	R. Mortel/K. Platt
Chain of Custody	Yes	MD DW Cert. No.	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 34

Total No. of Containers Received 170

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, 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

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	15073021	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	07/30/2015 05:15:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/03/2015	**Tracking No**	Not Applicable
		Logged In By	Jacob Prucnal

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: Jacob Prucnal — Date: 07/30/2015

PM Review and Approval: Shirley D. Rivera — Date: 07/31/2015

Analytical Report for

UMM Shore Regional Health at Chestertown

Certificate of Analysis No.: 15082017

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

August 27, 2015

Phase Separation Science, Inc.

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

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

PHASE SEPARATION SCIENCE, INC.

August 27, 2015

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

Reference: PSS Work Order(s) No: **15082017**
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 **15082017**.

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 September 24, 2015. 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 at Chestertown

Project Name: CRHC

Work Order Number(s): 15082017

The following samples were received under chain of custody by Phase Separation Science (PSS) on 08/20/2015 at 01:50 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
15082017-001	MW24	GROUND WATER	08/20/15 09:48
15082017-002	MW16	GROUND WATER	08/20/15 09:55
15082017-003	MW50	GROUND WATER	08/20/15 09:59
15082017-004	MW48	GROUND WATER	08/20/15 10:05
15082017-005	MW49	GROUND WATER	08/20/15 10:13
15082017-006	MW15	GROUND WATER	08/20/15 10:15
15082017-007	MW33	GROUND WATER	08/20/15 10:24
15082017-008	MW34	GROUND WATER	08/20/15 10:26
15082017-009	MW35	GROUND WATER	08/20/15 10:33
15082017-010	MW20	GROUND WATER	08/20/15 10:35
15082017-011	MW19	GROUND WATER	08/20/15 10:44
15082017-012	Sys Eff	GROUND WATER	08/20/15 10:50

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.

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.

Sample Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15082017

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

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 08/20/2015 09:48** **PSS Sample ID: 15082017-001**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 15:09	1045

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	08/20/15	08/20/15 17:04	1035

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ROUTE 40 WEST
BALTIMORE, MD 21228
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800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 08/20/2015 09:48** **PSS Sample ID: 15082017-001**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/23/15	08/23/15 17:22	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/23/15	08/23/15 17:22	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Benzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Bromochloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Bromoform	ND	ug/L	5.0		1	08/23/15	08/23/15 17:22	1011
Bromomethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/23/15	08/23/15 17:22	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Carbon Disulfide	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Chlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Chloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Chloroform	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Chloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Cyclohexane	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW24 **Date/Time Sampled: 08/20/2015 09:48** **PSS Sample ID: 15082017-001**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/23/15	08/23/15 17:22	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Diisopropyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Ethylbenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
2-Hexanone	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Methyl Acetate	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Methylcyclohexane	ND	ug/L	10		1	08/23/15	08/23/15 17:22	1011
Methylene Chloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/23/15	08/23/15 17:22	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Naphthalene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Styrene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Toluene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Trichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/23/15	08/23/15 17:22	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/23/15	08/23/15 17:22	1011
o-Xylene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:22	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 08/20/2015 09:55** **PSS Sample ID: 15082017-002**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 15:44	1045

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	08/20/15	08/20/15 17:30	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 08/20/2015 09:55** **PSS Sample ID: 15082017-002**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/23/15	08/23/15 17:57	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/23/15	08/23/15 17:57	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Benzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Bromochloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Bromoform	ND	ug/L	5.0		1	08/23/15	08/23/15 17:57	1011
Bromomethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/23/15	08/23/15 17:57	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Carbon Disulfide	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Chlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Chloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Chloroform	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Chloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Cyclohexane	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW16 **Date/Time Sampled: 08/20/2015 09:55** **PSS Sample ID: 15082017-002**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/23/15	08/23/15 17:57	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Diisopropyl ether	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Ethylbenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
2-Hexanone	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Methyl Acetate	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Methylcyclohexane	ND	ug/L	10		1	08/23/15	08/23/15 17:57	1011
Methylene Chloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/23/15	08/23/15 17:57	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Naphthalene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Styrene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Toluene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Trichloroethene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/23/15	08/23/15 17:57	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/23/15	08/23/15 17:57	1011
o-Xylene	ND	ug/L	1.0		1	08/23/15	08/23/15 17:57	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 08/20/2015 09:59** **PSS Sample ID: 15082017-003**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 15:44	1045

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	08/20/15	08/20/15 17:55	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 08/20/2015 09:59** **PSS Sample ID: 15082017-003**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 11:56	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 11:56	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 11:56	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 11:56	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW50 **Date/Time Sampled: 08/20/2015 09:59** **PSS Sample ID: 15082017-003**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 11:56	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 11:56	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 11:56	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 11:56	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 11:56	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 11:56	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 08/20/2015 10:05** **PSS Sample ID: 15082017-004**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:19	1045

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	08/20/15	08/20/15 18:21	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 08/20/2015 10:05** **PSS Sample ID: 15082017-004**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 12:31	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 12:31	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 12:31	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 12:31	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW48 **Date/Time Sampled: 08/20/2015 10:05** **PSS Sample ID: 15082017-004**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 12:31	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 12:31	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 12:31	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 12:31	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 12:31	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 12:31	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 08/20/2015 10:13** **PSS Sample ID: 15082017-005**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:19	1045

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	08/20/15	08/20/15 18:46	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 08/20/2015 10:13** **PSS Sample ID: 15082017-005**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 13:06	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 13:06	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 13:06	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 13:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW49 **Date/Time Sampled: 08/20/2015 10:13** **PSS Sample ID: 15082017-005**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 13:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 13:06	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 13:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 13:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 13:06	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 08/20/2015 10:15** **PSS Sample ID: 15082017-006**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:54	1045

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	08/20/15	08/20/15 19:12	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 08/20/2015 10:15** **PSS Sample ID: 15082017-006**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 13:41	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 13:41	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 13:41	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 13:41	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW15 **Date/Time Sampled: 08/20/2015 10:15** **PSS Sample ID: 15082017-006**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 13:41	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 13:41	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 13:41	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 13:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 13:41	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 13:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 08/20/2015 10:24** **PSS Sample ID: 15082017-007**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 17:29	1045

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	08/20/15	08/20/15 19:37	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 08/20/2015 10:24** **PSS Sample ID: 15082017-007**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 14:16	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 14:16	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 14:16	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 14:16	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW33 **Date/Time Sampled: 08/20/2015 10:24** **PSS Sample ID: 15082017-007**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 14:16	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 14:16	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 14:16	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 14:16	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 14:16	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:16	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 08/20/2015 10:26** **PSS Sample ID: 15082017-008**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 17:29	1045

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	08/21/15	08/21/15 13:43	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 08/20/2015 10:26** **PSS Sample ID: 15082017-008**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 14:51	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 14:51	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 14:51	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 14:51	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW34 **Date/Time Sampled: 08/20/2015 10:26** **PSS Sample ID: 15082017-008**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 14:51	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 14:51	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 14:51	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 14:51	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 14:51	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 14:51	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 08/20/2015 10:33** **PSS Sample ID: 15082017-009**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 18:03	1045

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	08/21/15	08/21/15 14:09	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 08/20/2015 10:33** **PSS Sample ID: 15082017-009**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 15:26	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 15:26	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 15:26	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 15:26	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW35 **Date/Time Sampled: 08/20/2015 10:33** **PSS Sample ID: 15082017-009**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 15:26	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 15:26	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 15:26	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 15:26	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 15:26	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 15:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 08/20/2015 10:35** **PSS Sample ID: 15082017-010**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 18:03	1045

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	08/21/15	08/21/15 14:34	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 08/20/2015 10:35** **PSS Sample ID: 15082017-010**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:01	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 16:01	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 16:01	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 16:01	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW20 **Date/Time Sampled: 08/20/2015 10:35** **PSS Sample ID: 15082017-010**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:01	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 16:01	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 16:01	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 16:01	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 16:01	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:01	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 08/20/2015 10:44** **PSS Sample ID: 15082017-011**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 18:38	1045

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	08/21/15	08/21/15 15:00	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 08/20/2015 10:44** **PSS Sample ID: 15082017-011**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:36	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 16:36	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 16:36	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 16:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW19 **Date/Time Sampled: 08/20/2015 10:44** **PSS Sample ID: 15082017-011**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 16:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 16:36	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 16:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Naphthalene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 16:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 16:36	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 16:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: Sys Eff **Date/Time Sampled: 08/20/2015 10:50** **PSS Sample ID: 15082017-012**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	0.10		1	08/24/15	08/24/15 16:54	1045

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	08/21/15	08/21/15 15:25	1035

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CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: Sys Eff **Date/Time Sampled: 08/20/2015 10:50** **PSS Sample ID: 15082017-012**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 17:12	1011
tert-Amyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 17:12	1011
tert-Amyl methyl ether	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Benzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Bromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Bromodichloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Bromoform	ND	ug/L	5.0		1	08/24/15	08/24/15 17:12	1011
Bromomethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
tert-Butyl alcohol	ND	ug/L	20		1	08/24/15	08/24/15 17:12	1011
2-Butanone (MEK)	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Carbon Disulfide	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Chlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Chloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Chloroform	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Chloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Cyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Dibromochloromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15082017

UMM Shore Regional Health at Chestertown, Chestertown, MD

August 27, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: Sys Eff **Date/Time Sampled: 08/20/2015 10:50** **PSS Sample ID: 15082017-012**
Matrix: GROUND WATER **Date/Time Received: 08/20/2015 13:50**

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	08/24/15	08/24/15 17:12	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Diisopropyl ether	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Ethylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
2-Hexanone	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Isopropylbenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Methyl Acetate	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Methylcyclohexane	ND	ug/L	10		1	08/24/15	08/24/15 17:12	1011
Methylene Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	08/24/15	08/24/15 17:12	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Naphthalene	**1.6**	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Styrene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Tetrachloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Toluene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Trichloroethene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	08/24/15	08/24/15 17:12	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
Vinyl Chloride	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011
m,p-Xylenes	ND	ug/L	2.0		1	08/24/15	08/24/15 17:12	1011
o-Xylene	ND	ug/L	1.0		1	08/24/15	08/24/15 17:12	1011

Case Narrative Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15082017

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): 15082017
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW24	Initial	15082017-001	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 15:09
	MW16	Initial	15082017-002	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 15:44
	MW50	Initial	15082017-003	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 15:44
	MW48	Initial	15082017-004	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 16:19
	MW49	Initial	15082017-005	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 16:19
	MW15	Initial	15082017-006	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 16:54
	MW33	Initial	15082017-007	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 17:29
	MW34	Initial	15082017-008	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 17:29
	MW35	Initial	15082017-009	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 18:03
	MW20	Initial	15082017-010	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 18:03
	MW19	Initial	15082017-011	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 18:38
	Sys Eff	Initial	15082017-012	1045	W	56922	125374	08/20/2015	08/24/2015 10:41	08/24/2015 16:54
	56922-1-BKS	BKS	56922-1-BKS	1045	W	56922	125374	--------	08/24/2015 10:41	08/24/2015 12:09
	56922-1-BLK	BLK	56922-1-BLK	1045	W	56922	125374	--------	08/24/2015 10:41	08/24/2015 14:35
	56922-1-BSD	BSD	56922-1-BSD	1045	W	56922	125374	--------	08/24/2015 10:41	08/24/2015 12:43
SW-846 8015C	MW24	Initial	15082017-001	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 17:04
	MW16	Initial	15082017-002	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 17:30
	MW50	Initial	15082017-003	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 17:55
	MW48	Initial	15082017-004	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 18:21
	MW49	Initial	15082017-005	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 18:46
	MW15	Initial	15082017-006	1035	W	56900	125293	08/20/2015	08/21/2015 09:48	08/20/2015 19:12
	MW33	Initial	15082017-007	1035	W	56900	125293	08/20/2015	08/20/2015 09:48	08/20/2015 19:37
	56900-2-BKS	BKS	56900-2-BKS	1035	W	56900	125293	--------	08/20/2015 09:48	08/20/2015 11:09
	56900-2-BLK	BLK	56900-2-BLK	1035	W	56900	125293	--------	08/20/2015 09:48	08/20/2015 10:43
	MW33 S	MS	15082017-007 S	1035	W	56900	125293	08/20/2015	08/20/2015 10:24	08/20/2015 20:03
	MW33 SD	MSD	15082017-007 SD	1035	W	56900	125293	08/20/2015	08/20/2015 10:24	08/20/2015 20:29
	MW34	Initial	15082017-008	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 13:43
	MW35	Initial	15082017-009	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 14:09
	MW20	Initial	15082017-010	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 14:34

Analytical Data Package Information Summary

Work Order(s): 15082017
Report Prepared For: UMM Shore Regional Health at Chestertown,
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 8015C	MW19	Initial	15082017-011	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 15:00
	Sys Eff	Initial	15082017-012	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 15:25
	56916-2-BKS	BKS	56916-2-BKS	1035	W	56916	125319	--------	08/21/2015 10:35	08/21/2015 12:52
	56916-2-BLK	BLK	56916-2-BLK	1035	W	56916	125319	--------	08/21/2015 10:35	08/21/2015 12:01
	Sys Eff S	MS	15082017-012 S	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 15:51
	Sys Eff SD	MSD	15082017-012 SD	1035	W	56916	125319	08/20/2015	08/21/2015 10:35	08/21/2015 16:17
SW-846 8260 B	MW24	Initial	15082017-001	1011	W	56920	125324	08/20/2015	08/23/2015 08:11	08/23/2015 17:22
	MW16	Initial	15082017-002	1011	W	56920	125324	08/20/2015	08/23/2015 08:11	08/23/2015 17:57
	56920-1-BKS	BKS	56920-1-BKS	1011	W	56920	125324	--------	08/23/2015 08:11	08/23/2015 09:47
	56920-1-BLK	BLK	56920-1-BLK	1011	W	56920	125324	--------	08/23/2015 08:11	08/23/2015 10:57
	MW-3 S	MS	15081927-003 S	1011	W	56920	125324	08/19/2015	08/23/2015 08:11	08/23/2015 18:32
	MW-3 SD	MSD	15081927-003 SD	1011	W	56920	125324	08/19/2015	08/23/2015 08:11	08/23/2015 19:07
	MW50	Initial	15082017-003	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 11:56
	MW48	Initial	15082017-004	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 12:31
	MW49	Initial	15082017-005	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 13:06
	MW15	Initial	15082017-006	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 13:41
	MW33	Initial	15082017-007	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 14:16
	MW34	Initial	15082017-008	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 14:51
	MW35	Initial	15082017-009	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 15:26
	MW20	Initial	15082017-010	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 16:01
	MW19	Initial	15082017-011	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 16:36
	Sys Eff	Initial	15082017-012	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 17:12
	56936-1-BKS	BKS	56936-1-BKS	1011	W	56936	125351	--------	08/24/2015 08:21	08/24/2015 10:11
	56936-1-BLK	BLK	56936-1-BLK	1011	W	56936	125351	--------	08/24/2015 08:21	08/24/2015 11:21
	MW50 S	MS	15082017-003 S	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 18:57
	MW50 SD	MSD	15082017-003 SD	1011	W	56936	125351	08/20/2015	08/24/2015 08:21	08/24/2015 19:32

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	79		37-136	%	08/24/15 15:09

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	96		65-111	%	08/20/15 17:04

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125324 Matrix: Ground Water Date Prep: 08/23/2015
PSS Sample ID: 15082017-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/23/15 17:22
Dibromofluoromethane	101		84-110	%	08/23/15 17:22
Toluene-D8	100		94-109	%	08/23/15 17:22

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	08/24/15 15:44

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	97		65-111	%	08/20/15 17:30

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125324 Matrix: Ground Water Date Prep: 08/23/2015
PSS Sample ID: 15082017-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		81-133	%	08/23/15 17:57
Dibromofluoromethane	100		84-110	%	08/23/15 17:57
Toluene-D8	100		94-109	%	08/23/15 17:57

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	75		37-136	%	08/24/15 15:44

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	96		65-111	%	08/20/15 17:55

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		81-133	%	08/24/15 11:56
Dibromofluoromethane	100		84-110	%	08/24/15 11:56
Toluene-D8	100		94-109	%	08/24/15 11:56

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	69		37-136	%	08/24/15 16:19

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	96		65-111	%	08/20/15 18:21

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		81-133	%	08/24/15 12:31
Dibromofluoromethane	101		84-110	%	08/24/15 12:31
Toluene-D8	99		94-109	%	08/24/15 12:31

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	80		37-136	%	08/24/15 16:19

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	96		65-111	%	08/20/15 18:46

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		81-133	%	08/24/15 13:06
Dibromofluoromethane	102		84-110	%	08/24/15 13:06
Toluene-D8	100		94-109	%	08/24/15 13:06

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	72		37-136	%	08/24/15 16:54

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	96		65-111	%	08/20/15 19:12

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		81-133	%	08/24/15 13:41
Dibromofluoromethane	101		84-110	%	08/24/15 13:41
Toluene-D8	98		94-109	%	08/24/15 13:41

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	83		37-136	%	08/24/15 17:29

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/20/2015
PSS Sample ID: 15082017-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	95		65-111	%	08/20/15 19:37

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/24/15 14:16
Dibromofluoromethane	101		84-110	%	08/24/15 14:16
Toluene-D8	100		94-109	%	08/24/15 14:16

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	91		37-136	%	08/24/15 17:29

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	94		65-111	%	08/21/15 13:43

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/24/15 14:51
Dibromofluoromethane	101		84-110	%	08/24/15 14:51
Toluene-D8	99		94-109	%	08/24/15 14:51

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	85		37-136	%	08/24/15 18:03

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	93		65-111	%	08/21/15 14:09

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/24/15 15:26
Dibromofluoromethane	102		84-110	%	08/24/15 15:26
Toluene-D8	100		94-109	%	08/24/15 15:26

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	80		37-136	%	08/24/15 18:03

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	93		65-111	%	08/21/15 14:34

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/24/15 16:01
Dibromofluoromethane	102		84-110	%	08/24/15 16:01
Toluene-D8	98		94-109	%	08/24/15 16:01

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	08/24/15 18:38

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	93		65-111	%	08/21/15 15:00

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		81-133	%	08/24/15 16:36
Dibromofluoromethane	102		84-110	%	08/24/15 16:36
Toluene-D8	101		94-109	%	08/24/15 16:36

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	89		37-136	%	08/24/15 16:54

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/2015
PSS Sample ID: 15082017-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	94		65-111	%	08/21/15 15:25

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/2015
PSS Sample ID: 15082017-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		81-133	%	08/24/15 17:12
Dibromofluoromethane	101		84-110	%	08/24/15 17:12
Toluene-D8	100		94-109	%	08/24/15 17:12

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 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 125374 Matrix: Water Date Prep: 08/24/15
MB Sample Id: 56922-1-BLK LCS Sample Id: 56922-1-BKS LCSD Sample Id: 56922-1-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	0.9303	93	0.8877	89	61-119	5	20	mg/L	08/24/15 12:09	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	94		94		91		37-136	%	08/24/15 12:09

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Water Date Prep: 08/20/15
MB Sample Id: 56900-2-BLK LCS Sample Id: 56900-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organic:	<100	5000	4582	92	61-138	ug/L	08/20/15 11:09	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	97		106		65-111	%	08/20/15 11:09

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Water Date Prep: 08/21/15
MB Sample Id: 56916-2-BLK LCS Sample Id: 56916-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organic:	<100	5000	4759	95	61-138	ug/L	08/21/15 12:52	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	94		102		65-111	%	08/21/15 12:52

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125293 Matrix: Ground Water Date Prep: 08/20/15
Parent Sample Id: 15082017-007 MS Sample Id: 15082017-007 S MSD Sample Id: 15082017-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organic:	<100	5000	4387	88	4151	83	58-136	6	25	ug/L	08/20/15 20:03	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	103		100		65-111	%	08/20/15 20:03

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 125319 Matrix: Ground Water Date Prep: 08/21/15
Parent Sample Id: 15082017-012 MS Sample Id: 15082017-012 S MSD Sample Id: 15082017-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4566	91	4335	87	58-136	5	25	ug/L	08/21/15 15:51	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	101		99		65-111	%	08/21/15 15:51

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125324 Matrix: Water Date Prep: 08/23/15
MB Sample Id: 56920-1-BLK LCS Sample Id: 56920-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	43.52	87	53-146	ug/L	08/23/15 09:47	
tert-Amyl alcohol	<20.00	50.00	61.68	123	27-139	ug/L	08/23/15 09:47	
tert-Amyl ethyl ether	<10.00	50.00	62.41	125	60-121	ug/L	08/23/15 09:47	H
tert-Amyl methyl ether	<10.00	50.00	61.02	122	61-129	ug/L	08/23/15 09:47	
Benzene	<1.000	50.00	55.48	111	77-122	ug/L	08/23/15 09:47	
Bromochloromethane	<1.000	50.00	56.81	114	71-122	ug/L	08/23/15 09:47	
Bromodichloromethane	<1.000	50.00	57.92	116	76-122	ug/L	08/23/15 09:47	
Bromoform	<5.000	50.00	50.90	102	69-115	ug/L	08/23/15 09:47	
Bromomethane	<1.000	50.00	49.18	98	40-147	ug/L	08/23/15 09:47	
tert-Butyl alcohol	<20.00	50.00	55.84	112	15-150	ug/L	08/23/15 09:47	
2-Butanone (MEK)	<10.00	50.00	49.73	99	56-133	ug/L	08/23/15 09:47	
tert-Butyl ethyl ether	<10.00	50.00	55.83	112	62-137	ug/L	08/23/15 09:47	
Carbon Disulfide	<10.00	50.00	54.26	109	62-134	ug/L	08/23/15 09:47	
Carbon Tetrachloride	<1.000	50.00	59.79	120	74-127	ug/L	08/23/15 09:47	
Chlorobenzene	<1.000	50.00	51.14	102	76-116	ug/L	08/23/15 09:47	
Chloroethane	<1.000	50.00	48.25	97	59-132	ug/L	08/23/15 09:47	
Chloroform	<1.000	50.00	54.96	110	71-118	ug/L	08/23/15 09:47	
Chloromethane	<1.000	50.00	47.40	95	62-131	ug/L	08/23/15 09:47	
Cyclohexane	<10.00	50.00	57.58	115	46-150	ug/L	08/23/15 09:47	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	51.44	103	59-135	ug/L	08/23/15 09:47	
Dibromochloromethane	<1.000	50.00	49.59	99	75-114	ug/L	08/23/15 09:47	
1,2-Dibromoethane (EDB)	<1.000	50.00	53.13	106	78-121	ug/L	08/23/15 09:47	
1,2-Dichlorobenzene	<1.000	50.00	51.72	103	80-122	ug/L	08/23/15 09:47	
1,3-Dichlorobenzene	<1.000	50.00	51.40	103	80-122	ug/L	08/23/15 09:47	
1,4-Dichlorobenzene	<1.000	50.00	49.61	99	77-118	ug/L	08/23/15 09:47	
Dichlorodifluoromethane	<1.000	50.00	47.65	95	54-139	ug/L	08/23/15 09:47	
1,1-Dichloroethane	<1.000	50.00	54.51	109	51-136	ug/L	08/23/15 09:47	
1,2-Dichloroethane	<1.000	50.00	56.58	113	64-130	ug/L	08/23/15 09:47	
1,1-Dichloroethene	<1.000	50.00	51.98	104	59-123	ug/L	08/23/15 09:47	
cis-1,2-Dichloroethene	<1.000	50.00	57.14	114	77-119	ug/L	08/23/15 09:47	
1,2-Dichloropropane	<1.000	50.00	54.52	109	75-125	ug/L	08/23/15 09:47	
cis-1,3-Dichloropropene	<1.000	50.00	53.62	107	74-123	ug/L	08/23/15 09:47	
trans-1,3-Dichloropropene	<1.000	50.00	54.03	108	73-116	ug/L	08/23/15 09:47	
trans-1,2-Dichloroethene	<1.000	50.00	55.75	112	58-134	ug/L	08/23/15 09:47	
Diisopropyl ether	<10.00	50.00	60.24	120	48-146	ug/L	08/23/15 09:47	
Ethylbenzene	<1.000	50.00	52.37	105	79-122	ug/L	08/23/15 09:47	
2-Hexanone	<10.00	50.00	50.98	102	56-134	ug/L	08/23/15 09:47	
Isopropylbenzene	<1.000	50.00	46.46	93	80-128	ug/L	08/23/15 09:47	
Methyl Acetate	<10.00	50.00	52.10	104	47-145	ug/L	08/23/15 09:47	
Methylcyclohexane	<10.00	50.00	59.37	119	61-155	ug/L	08/23/15 09:47	
Methylene Chloride	<1.000	50.00	44.00	88	61-126	ug/L	08/23/15 09:47	
4-Methyl-2-Pentanone	<5.000	50.00	51.17	102	45-145	ug/L	08/23/15 09:47	
Methyl-t-butyl ether	<1.000	50.00	61.90	124	30-168	ug/L	08/23/15 09:47	
Naphthalene	<1.000	50.00	48.55	97	46-154	ug/L	08/23/15 09:47	
Styrene	<1.000	50.00	48.47	97	73-118	ug/L	08/23/15 09:47	
1,1,2,2-Tetrachloroethane	<1.000	50.00	48.89	98	71-126	ug/L	08/23/15 09:47	
Tetrachloroethene	<1.000	50.00	58.75	118	78-113	ug/L	08/23/15 09:47	H
Toluene	<1.000	50.00	56.79	114	77-123	ug/L	08/23/15 09:47	
1,2,3-Trichlorobenzene	<1.000	50.00	50.84	102	66-140	ug/L	08/23/15 09:47	
1,2,4-Trichlorobenzene	<1.000	50.00	50.74	101	72-143	ug/L	08/23/15 09:47	
1,1,1-Trichloroethane	<1.000	50.00	57.46	115	66-133	ug/L	08/23/15 09:47	

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QC Summary 15082017

UMM Shore Regional Health at Chestertown
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Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 125324

Matrix: Water

Date Prep: 08/23/15

MB Sample Id: 56920-1-BLK

LCS Sample Id: 56920-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	54.53	109	72-128	ug/L	08/23/15 09:47	
Trichloroethene	<1.000	50.00	55.85	112	72-127	ug/L	08/23/15 09:47	
Trichlorofluoromethane	<5.000	50.00	54.71	109	45-130	ug/L	08/23/15 09:47	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	49.52	99	56-126	ug/L	08/23/15 09:47	
Vinyl Chloride	<1.000	50.00	49.15	98	64-132	ug/L	08/23/15 09:47	
m,p-Xylenes	<2.000	100	106.7	107	78-119	ug/L	08/23/15 09:47	
o-Xylene	<1.000	50.00	48.62	97	79-123	ug/L	08/23/15 09:47	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		99		81-133	%	08/23/15 09:47
Dibromofluoromethane	102		103		84-110	%	08/23/15 09:47
Toluene-D8	105		104		94-109	%	08/23/15 09:47

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Water Date Prep: 08/24/15
MB Sample Id: 56936-1-BLK LCS Sample Id: 56936-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	38.00	76	53-146	ug/L	08/24/15 10:11	
tert-Amyl alcohol	<20.00	50.00	51.71	103	27-139	ug/L	08/24/15 10:11	
tert-Amyl ethyl ether	<10.00	50.00	55.12	110	60-121	ug/L	08/24/15 10:11	
tert-Amyl methyl ether	<10.00	50.00	52.95	106	61-129	ug/L	08/24/15 10:11	
Benzene	<1.000	50.00	48.44	97	77-122	ug/L	08/24/15 10:11	
Bromochloromethane	<1.000	50.00	49.47	99	71-122	ug/L	08/24/15 10:11	
Bromodichloromethane	<1.000	50.00	52.16	104	76-122	ug/L	08/24/15 10:11	
Bromoform	<5.000	50.00	47.20	94	69-115	ug/L	08/24/15 10:11	
Bromomethane	<1.000	50.00	44.80	90	40-147	ug/L	08/24/15 10:11	
tert-Butyl alcohol	<20.00	50.00	50.29	101	15-150	ug/L	08/24/15 10:11	
2-Butanone (MEK)	<10.00	50.00	41.24	82	56-133	ug/L	08/24/15 10:11	
tert-Butyl ethyl ether	<10.00	50.00	48.22	96	62-137	ug/L	08/24/15 10:11	
Carbon Disulfide	<10.00	50.00	50.33	101	62-134	ug/L	08/24/15 10:11	
Carbon Tetrachloride	<1.000	50.00	53.51	107	74-127	ug/L	08/24/15 10:11	
Chlorobenzene	<1.000	50.00	50.32	101	76-116	ug/L	08/24/15 10:11	
Chloroethane	<1.000	50.00	44.97	90	59-132	ug/L	08/24/15 10:11	
Chloroform	<1.000	50.00	47.96	96	71-118	ug/L	08/24/15 10:11	
Chloromethane	<1.000	50.00	42.41	85	62-131	ug/L	08/24/15 10:11	
Cyclohexane	<10.00	50.00	50.33	101	46-150	ug/L	08/24/15 10:11	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	49.82	100	59-135	ug/L	08/24/15 10:11	
Dibromochloromethane	<1.000	50.00	48.48	97	75-114	ug/L	08/24/15 10:11	
1,2-Dibromoethane (EDB)	<1.000	50.00	50.92	102	78-121	ug/L	08/24/15 10:11	
1,2-Dichlorobenzene	<1.000	50.00	52.19	104	80-122	ug/L	08/24/15 10:11	
1,3-Dichlorobenzene	<1.000	50.00	51.91	104	80-122	ug/L	08/24/15 10:11	
1,4-Dichlorobenzene	<1.000	50.00	50.35	101	77-118	ug/L	08/24/15 10:11	
Dichlorodifluoromethane	<1.000	50.00	43.71	87	54-139	ug/L	08/24/15 10:11	
1,1-Dichloroethane	<1.000	50.00	47.58	95	51-136	ug/L	08/24/15 10:11	
1,2-Dichloroethane	<1.000	50.00	50.48	101	64-130	ug/L	08/24/15 10:11	
1,1-Dichloroethene	<1.000	50.00	48.02	96	59-123	ug/L	08/24/15 10:11	
cis-1,2-Dichloroethene	<1.000	50.00	50.20	100	77-119	ug/L	08/24/15 10:11	
1,2-Dichloropropane	<1.000	50.00	47.89	96	75-125	ug/L	08/24/15 10:11	
cis-1,3-Dichloropropene	<1.000	50.00	47.61	95	74-123	ug/L	08/24/15 10:11	
trans-1,3-Dichloropropene	<1.000	50.00	48.94	98	73-116	ug/L	08/24/15 10:11	
trans-1,2-Dichloroethene	<1.000	50.00	48.66	97	58-134	ug/L	08/24/15 10:11	
Diisopropyl ether	<10.00	50.00	51.48	103	48-146	ug/L	08/24/15 10:11	
Ethylbenzene	<1.000	50.00	51.35	103	79-122	ug/L	08/24/15 10:11	
2-Hexanone	<10.00	50.00	43.36	87	56-134	ug/L	08/24/15 10:11	
Isopropylbenzene	<1.000	50.00	48.33	97	80-128	ug/L	08/24/15 10:11	
Methyl Acetate	<10.00	50.00	43.95	88	47-145	ug/L	08/24/15 10:11	
Methylcyclohexane	<10.00	50.00	51.95	104	61-155	ug/L	08/24/15 10:11	
Methylene Chloride	<1.000	50.00	39.27	79	61-126	ug/L	08/24/15 10:11	
4-Methyl-2-Pentanone	<5.000	50.00	43.74	87	45-145	ug/L	08/24/15 10:11	
Methyl-t-butyl ether	<1.000	50.00	52.85	106	30-168	ug/L	08/24/15 10:11	
Naphthalene	<1.000	50.00	44.26	89	46-154	ug/L	08/24/15 10:11	
Styrene	<1.000	50.00	46.95	94	73-118	ug/L	08/24/15 10:11	
1,1,2,2-Tetrachloroethane	<1.000	50.00	49.01	98	71-126	ug/L	08/24/15 10:11	
Tetrachloroethene	<1.000	50.00	51.84	104	78-113	ug/L	08/24/15 10:11	
Toluene	<1.000	50.00	50.53	101	77-123	ug/L	08/24/15 10:11	
1,2,3-Trichlorobenzene	<1.000	50.00	45.87	92	66-140	ug/L	08/24/15 10:11	
1,2,4-Trichlorobenzene	<1.000	50.00	47.70	95	72-143	ug/L	08/24/15 10:11	
1,1,1-Trichloroethane	<1.000	50.00	51.66	103	66-133	ug/L	08/24/15 10:11	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 125351

Matrix: Water

Date Prep: 08/24/15

MB Sample Id: 56936-1-BLK

LCS Sample Id: 56936-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	49.42	99	72-128	ug/L	08/24/15 10:11	
Trichloroethene	<1.000	50.00	48.81	98	72-127	ug/L	08/24/15 10:11	
Trichlorofluoromethane	<5.000	50.00	51.69	103	45-130	ug/L	08/24/15 10:11	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	47.61	95	56-126	ug/L	08/24/15 10:11	
Vinyl Chloride	<1.000	50.00	44.90	90	64-132	ug/L	08/24/15 10:11	
m,p-Xylenes	<2.000	100	104.8	105	78-119	ug/L	08/24/15 10:11	
o-Xylene	<1.000	50.00	47.41	95	79-123	ug/L	08/24/15 10:11	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		101		81-133	%	08/24/15 10:11
Dibromofluoromethane	100		101		84-110	%	08/24/15 10:11
Toluene-D8	100		100		94-109	%	08/24/15 10:11

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/15
Parent Sample Id: 15082017-003 MS Sample Id: 15082017-003 S MSD Sample Id: 15082017-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<10.00	50.00	39.34	79	42.39	85	41-161	7	25	ug/L	08/24/15 18:57	
tert-Amyl alcohol	<20.00	50.00	40.15	80	43.06	86	5-149	7	25	ug/L	08/24/15 18:57	
tert-Amyl ethyl ether	<10.00	50.00	50.81	102	50.01	100	48-129	2	25	ug/L	08/24/15 18:57	
tert-Amyl methyl ether	<10.00	50.00	50.30	101	50.51	101	50-139	0	25	ug/L	08/24/15 18:57	
Benzene	<1.000	50.00	52.05	104	50.15	100	75-132	4	25	ug/L	08/24/15 18:57	
Bromochloromethane	<1.000	50.00	52.47	105	50.91	102	67-130	3	25	ug/L	08/24/15 18:57	
Bromodichloromethane	<1.000	50.00	54.68	109	53.13	106	69-134	3	25	ug/L	08/24/15 18:57	
Bromoform	<5.000	50.00	50.86	102	50.35	101	65-115	1	25	ug/L	08/24/15 18:57	
Bromomethane	<1.000	50.00	44.74	89	45.14	90	29-154	1	25	ug/L	08/24/15 18:57	
tert-Butyl alcohol	<20.00	50.00	47.58	95	49.86	100	1-183	5	25	ug/L	08/24/15 18:57	
2-Butanone (MEK)	<10.00	50.00	38.02	76	40.48	81	47-140	6	25	ug/L	08/24/15 18:57	
tert-Butyl ethyl ether	<10.00	50.00	47.21	94	47.54	95	55-141	1	25	ug/L	08/24/15 18:57	
Carbon Disulfide	<10.00	50.00	50.91	102	50.56	101	59-146	1	25	ug/L	08/24/15 18:57	
Carbon Tetrachloride	<1.000	50.00	58.04	116	55.44	111	74-136	5	25	ug/L	08/24/15 18:57	
Chlorobenzene	<1.000	50.00	53.65	107	51.98	104	78-115	3	25	ug/L	08/24/15 18:57	
Chloroethane	<1.000	50.00	43.55	87	45.15	90	40-150	4	25	ug/L	08/24/15 18:57	
Chloroform	<1.000	50.00	52.51	105	50.60	101	67-130	4	25	ug/L	08/24/15 18:57	
Chloromethane	<1.000	50.00	40.04	80	40.80	82	59-144	2	25	ug/L	08/24/15 18:57	
Cyclohexane	<10.00	50.00	53.81	108	51.45	103	34-161	4	25	ug/L	08/24/15 18:57	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	52.52	105	53.28	107	45-125	1	25	ug/L	08/24/15 18:57	
Dibromochloromethane	<1.000	50.00	51.42	103	51.16	102	73-114	1	25	ug/L	08/24/15 18:57	
1,2-Dibromoethane (EDB)	<1.000	50.00	55.68	111	54.63	109	72-126	2	25	ug/L	08/24/15 18:57	
1,2-Dichlorobenzene	<1.000	50.00	54.06	108	53.52	107	73-117	1	25	ug/L	08/24/15 18:57	
1,3-Dichlorobenzene	<1.000	50.00	53.77	108	52.14	104	73-117	3	25	ug/L	08/24/15 18:57	
1,4-Dichlorobenzene	<1.000	50.00	52.20	104	50.45	101	72-111	3	25	ug/L	08/24/15 18:57	
Dichlorodifluoromethane	<1.000	50.00	42.56	85	42.29	85	47-159	1	25	ug/L	08/24/15 18:57	
1,1-Dichloroethane	<1.000	50.00	51.54	103	50.35	101	44-152	2	25	ug/L	08/24/15 18:57	
1,2-Dichloroethane	<1.000	50.00	53.91	108	52.76	106	60-142	2	25	ug/L	08/24/15 18:57	
1,1-Dichloroethene	<1.000	50.00	46.99	94	47.83	96	50-136	2	25	ug/L	08/24/15 18:57	
cis-1,2-Dichloroethene	<1.000	50.00	53.65	107	51.84	104	76-127	3	25	ug/L	08/24/15 18:57	
1,2-Dichloropropane	<1.000	50.00	51.28	103	49.95	100	70-139	3	25	ug/L	08/24/15 18:57	
cis-1,3-Dichloropropene	<1.000	50.00	48.11	96	46.37	93	64-127	4	25	ug/L	08/24/15 18:57	
trans-1,3-Dichloropropene	<1.000	50.00	48.31	97	47.82	96	62-123	1	25	ug/L	08/24/15 18:57	
trans-1,2-Dichloroethene	<1.000	50.00	51.31	103	51.02	102	54-144	1	25	ug/L	08/24/15 18:57	
Diisopropyl ether	<10.00	50.00	51.93	104	51.98	104	49-150	0	25	ug/L	08/24/15 18:57	
Ethylbenzene	<1.000	50.00	55.81	112	53.38	107	74-129	4	25	ug/L	08/24/15 18:57	
2-Hexanone	<10.00	50.00	39.51	79	41.32	83	50-130	4	25	ug/L	08/24/15 18:57	
Isopropylbenzene	<1.000	50.00	48.96	98	48.71	97	72-130	1	25	ug/L	08/24/15 18:57	
Methyl Acetate	<10.00	50.00	43.25	87	44.38	89	37-143	3	25	ug/L	08/24/15 18:57	
Methylcyclohexane	<10.00	50.00	54.64	109	49.32	99	55-148	10	25	ug/L	08/24/15 18:57	
Methylene Chloride	<1.000	50.00	40.82	82	41.69	83	56-137	2	25	ug/L	08/24/15 18:57	
4-Methyl-2-Pentanone	<5.000	50.00	38.79	78	39.77	80	44-133	2	25	ug/L	08/24/15 18:57	
Methyl-t-butyl ether	<1.000	50.00	53.11	106	53.85	108	22-182	1	25	ug/L	08/24/15 18:57	
Naphthalene	<1.000	50.00	44.98	90	47.25	95	7-137	5	25	ug/L	08/24/15 18:57	
Styrene	<1.000	50.00	49.53	99	49.14	98	67-121	1	25	ug/L	08/24/15 18:57	
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.53	107	53.35	107	68-127	0	25	ug/L	08/24/15 18:57	
Tetrachloroethene	<1.000	50.00	54.12	108	51.41	103	69-126	5	25	ug/L	08/24/15 18:57	
Toluene	<1.000	50.00	53.49	107	51.87	104	74-132	3	25	ug/L	08/24/15 18:57	
1,2,3-Trichlorobenzene	<1.000	50.00	44.43	89	46.56	93	9-139	5	25	ug/L	08/24/15 18:57	
1,2,4-Trichlorobenzene	<1.000	50.00	46.36	93	46.93	94	31-135	1	25	ug/L	08/24/15 18:57	
1,1,1-Trichloroethane	<1.000	50.00	56.73	113	55.06	110	70-138	3	25	ug/L	08/24/15 18:57	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15082017

UMM Shore Regional Health at Chestertown
CRHC

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

Seq Number: 125351 Matrix: Ground Water Date Prep: 08/24/15

Parent Sample Id: 15082017-003 MS Sample Id: 15082017-003 S MSD Sample Id: 15082017-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	51.91	104	51.76	104	65-143	0	25	ug/L	08/24/15 18:57	
Trichloroethene	<1.000	50.00	52.49	105	50.75	102	67-139	3	25	ug/L	08/24/15 18:57	
Trichlorofluoromethane	<5.000	50.00	52.88	106	52.24	104	37-147	1	25	ug/L	08/24/15 18:57	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	49.41	99	48.63	97	47-139	2	25	ug/L	08/24/15 18:57	
Vinyl Chloride	<1.000	50.00	46.33	93	45.58	91	60-146	2	25	ug/L	08/24/15 18:57	
m,p-Xylenes	<2.000	100	110.8	111	107.3	107	78-119	3	25	ug/L	08/24/15 18:57	
o-Xylene	<1.000	50.00	49.96	100	49.01	98	80-123	2	25	ug/L	08/24/15 18:57	

Surrogate	MS Result	MS Flag	MSD Result	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		101		81-133	%	08/24/15 18:57
Dibromofluoromethane	102		102		84-110	%	08/24/15 18:57
Toluene-D8	98		99		94-109	%	08/24/15 18:57

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

*PROJECT MGR: KEN HANNON *PHONE NO.: (302) 656-9600

EMAIL: KHANNON@BRIGHTFIELDS FAX NO.: ( )

*PROJECT NAME: CRAC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEL, K. PLATT DW CERT NO.:

PSS Work Order #: 1508 2017 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	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXYGENATES								REMARKS
Preservatives Used								HCL	HCL									
1	MW24	8/20/15	0948	GW	5	G	X	X	X	X								
2	MW16	↓	0955	↓	↓	↓	↓	↓	↓	↓								
3	MW50	↓	0959	↓	↓	↓	↓	↓	↓	↓								
4	MW48	↓	1005	↓	↓	↓	↓	↓	↓	↓								
5	MW49	↓	1013	↓	↓	↓	↓	↓	↓	↓								
6	MW15	↓	1015	↓	↓	↓	↓	↓	↓	↓								
7	MW33	↓	1024	↓	↓	↓	↓	↓	↓	↓								
8	MW34	↓	1028	↓	↓	↓	↓	↓	↓	↓								
9	MW35	↓	1033	↓	↓	↓	↓	↓	↓	↓								
10	MW20	↓	1035	↓	↓	↓	↓	↓	↓	↓								

(5)

Relinquished By: (1)	Date	Time	Received By:
R. Mortel	8/20/15	1210	omid 2226
Relinquished By: (2)	Date	Time	Received By:
omid 2226	8/20	1350	[signature]
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: 2
Custody Seal: ABS
Ice Present: PRES Temp: 8.7°c
Shipping Carrier: TTE

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

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

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.
www.phaseonline.com
email: info@phaseonline.com

(1)
*CLIENT: UMM *OFFICE LOC. WILMINGTON
*PROJECT MGR: KEN HANNON *PHONE NO.: (302) 656-9600
EMAIL: KHANNON@BRIGHTFIELDS FAX NO.: ( )
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: CHESTERTOWN, MD P.O. NO.:
SAMPLER(S): R. MORTEL, K. PLATT DW CERT NO.:

PSS Work Order #: 15082017 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)

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FUEL OXEGENATES								REMARKS
Preservatives Used								HCL	HCL									
Analysis/ Method Required (3) *																		
11	MW19	8/20/15	1044	GW	5	G	X	X	X	X								
12	SIS EFF		1050	GW	5	G	X	X	X	X								

(5)

Relinquished By: (1)	Date	Time	Received By:
[signature]	8/20/15	1210	Omid 2226
Relinquished By: (2)	Date	Time	Received By:
omid 2226	8/20	1350	[signature]
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 ____

Special Instructions:

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

# of Coolers: 2
Custody Seal: ABS
Ice Present: PRES Temp: 8.7°C
Shipping Carrier: TTE

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 #	15082017	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	08/20/2015 01:50:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/24/2015	**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)	7
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	8
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	R. Mortel
COC agrees with sample labels?	Yes	MD DW Cert. No.	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 12

Total No. of Containers Received 60

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, 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

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	15082017	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	08/20/2015 01:50:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	09/24/2015	**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: 08/20/2015

PM Review and Approval: Lynn Jackson — Date: 08/20/2015

Analytical Report for

UMM Shore Regional Health at Chestertown

Certificate of Analysis No.: 15092220

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chestertown, MD

September 23, 2015

Phase Separation Science, Inc.

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

OFFICES:
6630 BALTIMORE NATIONAL PIKE
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BALTIMORE, MD 21228
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PHASE SEPARATION SCIENCE, INC.

September 23, 2015

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

Reference: PSS Work Order(s) No: **15092220**
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 **15092220**.

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 October 27, 2015. 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 at Chestertown

Project Name: CRHC

Work Order Number(s): 15092220

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/22/2015 at 03:05 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
15092220-001	MW1	GROUND WATER	09/21/15 09:22
15092220-002	MW2	GROUND WATER	09/21/15 09:20
15092220-003	MW3	GROUND WATER	09/21/15 09:30
15092220-004	MW4	GROUND WATER	09/21/15 09:00
15092220-005	MW5	GROUND WATER	09/21/15 09:12
15092220-006	MW14	GROUND WATER	09/21/15 09:40
15092220-007	MW37	GROUND WATER	09/21/15 09:25
15092220-008	MW47	GROUND WATER	09/21/15 09:45

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

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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092220

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 23, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW1 **Date/Time Sampled: 09/21/2015 09:22** **PSS Sample ID: 15092220-001**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**1.7**	mg/L	0.11		1	09/22/15	09/22/15 18:03	1044

Sample ID: MW2 **Date/Time Sampled: 09/21/2015 09:20** **PSS Sample ID: 15092220-002**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**1.9**	mg/L	0.11		1	09/22/15	09/22/15 18:28	1044

Sample ID: MW3 **Date/Time Sampled: 09/21/2015 09:30** **PSS Sample ID: 15092220-003**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**0.81**	mg/L	0.10		1	09/22/15	09/22/15 18:53	1044

Sample ID: MW4 **Date/Time Sampled: 09/21/2015 09:00** **PSS Sample ID: 15092220-004**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**0.97**	mg/L	0.11		1	09/22/15	09/22/15 19:19	1044

Sample ID: MW5 **Date/Time Sampled: 09/21/2015 09:12** **PSS Sample ID: 15092220-005**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**0.65**	mg/L	0.11		1	09/22/15	09/22/15 19:44	1044

Sample ID: MW14 **Date/Time Sampled: 09/21/2015 09:40** **PSS Sample ID: 15092220-006**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**2.3**	mg/L	0.10		1	09/22/15	09/22/15 20:09	1044

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BALTIMORE, MD 21228
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800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092220

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 23, 2015

Project Name: CRHC
Project Location: Chestertown, MD

Sample ID: MW37 **Date/Time Sampled: 09/21/2015 09:25** **PSS Sample ID: 15092220-007**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**2.3**	mg/L	0.14		1	09/22/15	09/22/15 20:34	1044

Sample ID: MW47 **Date/Time Sampled: 09/21/2015 09:45** **PSS Sample ID: 15092220-008**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**1.8**	mg/L	0.11		1	09/22/15	09/22/15 21:49	1044

Case Narrative Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15092220

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): 15092220
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW1	Initial	15092220-001	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 18:03
	MW2	Initial	15092220-002	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 18:28
	MW3	Initial	15092220-003	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 18:53
	MW4	Initial	15092220-004	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 19:19
	MW5	Initial	15092220-005	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 19:44
	MW14	Initial	15092220-006	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 20:09
	MW37	Initial	15092220-007	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 20:34
	MW47	Initial	15092220-008	1044	W	57371	126206	09/21/2015	09/22/2015 11:37	09/22/2015 21:49
	57371-1-BKS	BKS	57371-1-BKS	1044	W	57371	126206	--------	09/22/2015 11:37	09/22/2015 12:14
	57371-1-BLK	BLK	57371-1-BLK	1044	W	57371	126206	--------	09/22/2015 11:37	09/22/2015 11:49
	57371-1-BSD	BSD	57371-1-BSD	1044	W	57371	126206	--------	09/22/2015 11:37	09/22/2015 13:20

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092220

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	83		37-136	%	09/22/15 18:03

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	09/22/15 18:28

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	85		37-136	%	09/22/15 18:53

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	86		37-136	%	09/22/15 19:19

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	85		37-136	%	09/22/15 19:44

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092220

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		37-136	%	09/22/15 20:09

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	87		37-136	%	09/22/15 20:34

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Ground Water Date Prep: 09/22/2015
PSS Sample ID: 15092220-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	77		37-136	%	09/22/15 21:49

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 15092220

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126206 Matrix: Water Date Prep: 09/22/15
MB Sample Id: 57371-1-BLK LCS Sample Id: 57371-1-BKS LCSD Sample Id: 57371-1-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	1.007	101	1.029	103	61-119	2	20	mg/L	09/22/15 12:14	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	88		84		88		37-136	%	09/22/15 12:14

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 HANNON *PHONE NO.: 302) 656-9600

EMAIL: KHANNON@BRIGHTFIELDS FAX NO.: ( )

*PROJECT NAME: CRITC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEL DW CERT NO.:

PSS Work Order #: 15092220 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	Analysis/ Method Required (3) * DRO VIA 8015											REMARKS
1	MW1	9/21/15	0922	GW	1	C		X											
2	MW2	↓	0920	↓	↓	↓		X											
3	MW3		0930					X											
4	MW4		0900					X											
5	MW5		0912					X											
6	MW14		0940					X											
7	MW37		0925					X											
8	MW47	↓	0945	↓	↓	↓		X											

(5)

Relinquished By: (1)	Date	Time	Received By:
R. Mortel	9/22/15	1315	Van Pantin, #2035
Relinquished By: (2)	Date	Time	Received By:
Van Pantin, #2035	09/22/15	1505	[illegible]
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 _____

Special Instructions:

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE _____

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

# of Coolers: 1
Custody Seal: ABS
Ice Present: PRES Temp: 5°C
Shipping Carrier: TTE

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 #	15092220	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	09/22/2015 03:05:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	10/27/2015	**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)	5
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	R. Mortel
COC agrees with sample labels?	Yes	MD DW Cert. No.	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 8

Total No. of Containers Received 8

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	N/A
Do VOA vials have zero headspace?		N/A
624 VOC (Rcvd at least one unpreserved VOA vial)		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: 09/22/2015

PM Review and Approval: Lynn Jackson — Date: 09/23/2015

Analytical Report for

UMM Shore Regional Health at Chestertown

Certificate of Analysis No.: 15092221

Project Manager: Ken Hannon

Project Name : CRHC

Project Location: Chester River Hosp

September 29, 2015

Phase Separation Science, Inc.

6630 Baltimore National Pike
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PHASE SEPARATION SCIENCE, INC.

September 29, 2015

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

Reference: PSS Work Order(s) No: **15092221**
Project Name: CRHC
Project Location: Chester River Hosp

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 **15092221**.

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 October 27, 2015. 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.

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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 at Chestertown

Project Name: CRHC

Work Order Number(s): 15092221

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/22/2015 at 03:05 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
15092221-001	MW16	GROUND WATER	09/22/15 08:51
15092221-002	MW24	GROUND WATER	09/22/15 08:55
15092221-003	MW50	GROUND WATER	09/22/15 08:58
15092221-004	MW48	GROUND WATER	09/22/15 09:05
15092221-005	MW49	GROUND WATER	09/22/15 09:05
15092221-006	MW33	GROUND WATER	09/22/15 09:10
15092221-007	MW34	GROUND WATER	09/22/15 09:13
15092221-008	MW35	GROUND WATER	09/22/15 09:18
15092221-009	MW20	GROUND WATER	09/22/15 09:20
15092221-010	MW19	GROUND WATER	09/22/15 09:26
15092221-011	SYS EFF	GROUND WATER	09/22/15 09:27
15092221-012	MW15	GROUND WATER	09/22/15 10:20

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.

Sample Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15092221

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

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: MW16 **Date/Time Sampled: 09/22/2015 08:51** **PSS Sample ID: 15092221-001**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 00:50	1044

Sample ID: MW24 **Date/Time Sampled: 09/22/2015 08:55** **PSS Sample ID: 15092221-002**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 01:24	1044

Sample ID: MW50 **Date/Time Sampled: 09/22/2015 08:58** **PSS Sample ID: 15092221-003**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 01:57	1044

Sample ID: MW48 **Date/Time Sampled: 09/22/2015 09:05** **PSS Sample ID: 15092221-004**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 02:31	1044

Sample ID: MW49 **Date/Time Sampled: 09/22/2015 09:05** **PSS Sample ID: 15092221-005**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 03:05	1044

Sample ID: MW33 **Date/Time Sampled: 09/22/2015 09:10** **PSS Sample ID: 15092221-006**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 03:38	1044

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: MW34 **Date/Time Sampled: 09/22/2015 09:13** **PSS Sample ID: 15092221-007**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 04:12	1044

Sample ID: MW35 **Date/Time Sampled: 09/22/2015 09:18** **PSS Sample ID: 15092221-008**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 04:46	1044

Sample ID: MW20 **Date/Time Sampled: 09/22/2015 09:20** **PSS Sample ID: 15092221-009**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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)	**0.16**	mg/L	0.10		1	09/24/15	09/26/15 05:19	1044

Sample ID: MW19 **Date/Time Sampled: 09/22/2015 09:26** **PSS Sample ID: 15092221-010**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 05:53	1044

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: SYS EFF **Date/Time Sampled: 09/22/2015 09:27** **PSS Sample ID: 15092221-011**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 06:27	1044

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	09/23/15	09/23/15 11:49	1035

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: SYS EFF **Date/Time Sampled: 09/22/2015 09:27** **PSS Sample ID: 15092221-011**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/25/15 06:36	1011
tert-Amyl alcohol	ND	ug/L	20		1	09/24/15	09/25/15 06:36	1011
tert-Amyl ethyl ether	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
tert-Amyl methyl ether	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Benzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Bromochloromethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Bromodichloromethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Bromoform	ND	ug/L	5.0		1	09/24/15	09/25/15 06:36	1011
Bromomethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
tert-Butyl alcohol	ND	ug/L	20		1	09/24/15	09/25/15 06:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
tert-Butyl ethyl ether	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Carbon Disulfide	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Chlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Chloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Chloroform	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Chloromethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Cyclohexane	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Dichlorodifluoromethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: SYS EFF **Date/Time Sampled: 09/22/2015 09:27** **PSS Sample ID: 15092221-011**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/25/15 06:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Diisopropyl ether	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Ethylbenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
2-Hexanone	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Methyl Acetate	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Methylcyclohexane	ND	ug/L	10		1	09/24/15	09/25/15 06:36	1011
Methylene Chloride	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	09/24/15	09/25/15 06:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Naphthalene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Styrene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Toluene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Trichloroethene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	09/24/15	09/25/15 06:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	09/24/15	09/25/15 06:36	1011
o-Xylene	ND	ug/L	1.0		1	09/24/15	09/25/15 06:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 15092221

UMM Shore Regional Health at Chestertown, Chestertown, MD

September 29, 2015

Project Name: CRHC
Project Location: Chester River Hosp

Sample ID: MW15 **Date/Time Sampled: 09/22/2015 10:20** **PSS Sample ID: 15092221-012**
Matrix: GROUND WATER **Date/Time Received: 09/22/2015 15:05**

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	09/24/15	09/26/15 07:00	1044

Case Narrative Summary

Client Name: UMM Shore Regional Health at Chestertown

Project Name: CRHC

Work Order Number(s): 15092221

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.

Analytical:

Total Petroleum Hydrocarbons-GRO

Batch: 126262

Surrogate exceedances identified; see surrogate summary form.

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): 15092221
Report Prepared For: UMM Shore Regional Health at Chestertown,
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	MW16	Initial	15092221-001	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 00:50
	MW24	Initial	15092221-002	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 01:24
	MW50	Initial	15092221-003	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 01:57
	MW48	Initial	15092221-004	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 02:31
	MW49	Initial	15092221-005	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 03:05
	MW33	Initial	15092221-006	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 03:38
	MW34	Initial	15092221-007	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 04:12
	MW35	Initial	15092221-008	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 04:46
	MW20	Initial	15092221-009	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 05:19
	MW19	Initial	15092221-010	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 05:53
	SYS EFF	Initial	15092221-011	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 06:27
	MW15	Initial	15092221-012	1044	W	57419	126361	09/22/2015	09/24/2015 10:29	09/26/2015 07:00
	57419-1-BKS	BKS	57419-1-BKS	1044	W	57419	126361	--------	09/24/2015 10:29	09/25/2015 17:31
	57419-1-BLK	BLK	57419-1-BLK	1044	W	57419	126361	--------	09/24/2015 10:29	09/25/2015 16:57
	57419-1-BSD	BSD	57419-1-BSD	1044	W	57419	126361	--------	09/24/2015 10:29	09/25/2015 18:05
SW-846 8015C	SYS EFF	Initial	15092221-011	1035	W	57420	126262	09/22/2015	09/23/2015 09:29	09/23/2015 11:49
	57420-2-BKS	BKS	57420-2-BKS	1035	W	57420	126262	--------	09/23/2015 09:29	09/23/2015 12:41
	57420-2-BLK	BLK	57420-2-BLK	1035	W	57420	126262	--------	09/23/2015 09:29	09/23/2015 10:58
	CPC-DUP1-09222015 S	MS	15092301-003 S	1035	W	57420	126262	09/22/2015	09/23/2015 09:29	09/23/2015 17:23
	CPC-DUP1-09222015 SD	MSD	15092301-003 SD	1035	W	57420	126262	09/22/2015	09/23/2015 09:29	09/23/2015 17:48
SW-846 8260 B	SYS EFF	Initial	15092221-011	1011	W	57439	126318	09/22/2015	09/24/2015 21:53	09/25/2015 06:36
	57439-1-BKS	BKS	57439-1-BKS	1011	W	57439	126318	--------	09/24/2015 21:53	09/24/2015 23:38
	57439-1-BLK	BLK	57439-1-BLK	1011	W	57439	126318	--------	09/24/2015 21:53	09/25/2015 00:47
	14-DS-LRR-09232015 S	MS	15092402-010 S	1011	W	57439	126318	09/23/2015	09/24/2015 21:53	09/25/2015 01:56
	14-DS-LRR-09232015 SD	MSD	15092402-010 SD	1011	W	57439	126318	09/23/2015	09/24/2015 21:53	09/25/2015 02:32

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-001

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	95		37-136	%	09/26/15 00:50

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-002

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	79		37-136	%	09/26/15 01:24

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-003

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	95		37-136	%	09/26/15 01:57

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-004

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	90		37-136	%	09/26/15 02:31

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-005

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	106		37-136	%	09/26/15 03:05

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-006

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	102		37-136	%	09/26/15 03:38

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-007

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	95		37-136	%	09/26/15 04:12

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-008

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		37-136	%	09/26/15 04:46

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-009

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	93		37-136	%	09/26/15 05:19

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-010

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	105		37-136	%	09/26/15 05:53

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	94		37-136	%	09/26/15 06:27

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 126262 Matrix: Ground Water Date Prep: 09/23/2015
PSS Sample ID: 15092221-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	106		65-111	%	09/23/15 11:49

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 126318 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-011

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		81-133	%	09/25/15 06:36
Dibromofluoromethane	101		84-110	%	09/25/15 06:36
Toluene-D8	98		94-109	%	09/25/15 06:36

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Ground Water Date Prep: 09/24/2015
PSS Sample ID: 15092221-012

Surrogate	%Rec	Flag	Limits	Units	Analysis Date
o-Terphenyl	99		37-136	%	09/26/15 07:00

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 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8015 C Prep Method: SW3510C
Seq Number: 126361 Matrix: Water Date Prep: 09/24/15
MB Sample Id: 57419-1-BLK LCS Sample Id: 57419-1-BKS LCSD Sample Id: 57419-1-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	0.8409	84	0.9225	92	61-119	9	20	mg/L	09/25/15 17:31	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	LCSD Result	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	105		94		98		37-136	%	09/25/15 17:31

Analytical Method: SW-846 8015C Prep Method: SW5030B
Seq Number: 126262 Matrix: Water Date Prep: 09/23/15
MB Sample Id: 57420-2-BLK LCS Sample Id: 57420-2-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO (Gasoline Range Organics	<100	5000	4817	96	61-138	ug/L	09/23/15 12:41	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	106		113	*	65-111	%	09/23/15 12:41

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B Prep Method: SW5030B
Seq Number: 126318 Matrix: Water Date Prep: 09/24/15
MB Sample Id: 57439-1-BLK LCS Sample Id: 57439-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Acetone	<10.00	50.00	59.45	119	53-146	ug/L	09/24/15 23:38	
tert-Amyl alcohol	<20.00	50.00	47.93	96	27-139	ug/L	09/24/15 23:38	
tert-Amyl ethyl ether	<10.00	50.00	45.12	90	60-121	ug/L	09/24/15 23:38	
tert-Amyl methyl ether	<10.00	50.00	46.87	94	61-129	ug/L	09/24/15 23:38	
Benzene	<1.000	50.00	57.64	115	77-122	ug/L	09/24/15 23:38	
Bromochloromethane	<1.000	50.00	55.82	112	71-122	ug/L	09/24/15 23:38	
Bromodichloromethane	<1.000	50.00	56.38	113	76-122	ug/L	09/24/15 23:38	
Bromoform	<5.000	50.00	50.98	102	69-115	ug/L	09/24/15 23:38	
Bromomethane	<1.000	50.00	51.85	104	40-147	ug/L	09/24/15 23:38	
tert-Butyl alcohol	<20.00	50.00	54.83	110	15-150	ug/L	09/24/15 23:38	
2-Butanone (MEK)	<10.00	50.00	51.07	102	56-133	ug/L	09/24/15 23:38	
tert-Butyl ethyl ether	<10.00	50.00	48.66	97	62-137	ug/L	09/24/15 23:38	
Carbon Disulfide	<10.00	50.00	56.03	112	62-134	ug/L	09/24/15 23:38	
Carbon Tetrachloride	<1.000	50.00	54.63	109	74-127	ug/L	09/24/15 23:38	
Chlorobenzene	<1.000	50.00	55.02	110	76-116	ug/L	09/24/15 23:38	
Chloroethane	<1.000	50.00	53.71	107	59-132	ug/L	09/24/15 23:38	
Chloroform	<1.000	50.00	54.78	110	71-118	ug/L	09/24/15 23:38	
Chloromethane	<1.000	50.00	51.78	104	62-131	ug/L	09/24/15 23:38	
Cyclohexane	<10.00	50.00	56.92	114	46-150	ug/L	09/24/15 23:38	
1,2-Dibromo-3-Chloropropane	<10.00	50.00	51.70	103	59-135	ug/L	09/24/15 23:38	
Dibromochloromethane	<1.000	50.00	51.46	103	75-114	ug/L	09/24/15 23:38	
1,2-Dibromoethane (EDB)	<1.000	50.00	51.85	104	78-121	ug/L	09/24/15 23:38	
1,2-Dichlorobenzene	<1.000	50.00	51.78	104	80-122	ug/L	09/24/15 23:38	
1,3-Dichlorobenzene	<1.000	50.00	56.74	113	80-122	ug/L	09/24/15 23:38	
1,4-Dichlorobenzene	<1.000	50.00	53.92	108	77-118	ug/L	09/24/15 23:38	
Dichlorodifluoromethane	<1.000	50.00	48.08	96	54-139	ug/L	09/24/15 23:38	
1,1-Dichloroethane	<1.000	50.00	55.79	112	51-136	ug/L	09/24/15 23:38	
1,2-Dichloroethane	<1.000	50.00	54.96	110	64-130	ug/L	09/24/15 23:38	
1,1-Dichloroethene	<1.000	50.00	53.80	108	59-123	ug/L	09/24/15 23:38	
cis-1,2-Dichloroethene	<1.000	50.00	57.06	114	77-119	ug/L	09/24/15 23:38	
1,2-Dichloropropane	<1.000	50.00	56.37	113	75-125	ug/L	09/24/15 23:38	
cis-1,3-Dichloropropene	<1.000	50.00	50.43	101	74-123	ug/L	09/24/15 23:38	
trans-1,3-Dichloropropene	<1.000	50.00	50.49	101	73-116	ug/L	09/24/15 23:38	
trans-1,2-Dichloroethene	<1.000	50.00	56.22	112	58-134	ug/L	09/24/15 23:38	
Diisopropyl ether	<10.00	50.00	52.30	105	48-146	ug/L	09/24/15 23:38	
Ethylbenzene	<1.000	50.00	58.21	116	79-122	ug/L	09/24/15 23:38	
2-Hexanone	<10.00	50.00	53.01	106	56-134	ug/L	09/24/15 23:38	
Isopropylbenzene	<1.000	50.00	52.28	105	80-128	ug/L	09/24/15 23:38	
Methyl Acetate	<10.00	50.00	54.02	108	47-145	ug/L	09/24/15 23:38	
Methylcyclohexane	<10.00	50.00	53.01	106	61-155	ug/L	09/24/15 23:38	
Methylene Chloride	<1.000	50.00	55.78	112	61-126	ug/L	09/24/15 23:38	
4-Methyl-2-Pentanone	<5.000	50.00	51.65	103	45-145	ug/L	09/24/15 23:38	
Methyl-t-butyl ether	<1.000	50.00	45.62	91	30-168	ug/L	09/24/15 23:38	
Naphthalene	<1.000	50.00	51.28	103	46-154	ug/L	09/24/15 23:38	
Styrene	<1.000	50.00	51.65	103	73-118	ug/L	09/24/15 23:38	
1,1,2,2-Tetrachloroethane	<1.000	50.00	57.19	114	71-126	ug/L	09/24/15 23:38	
Tetrachloroethene	<1.000	50.00	55.59	111	78-113	ug/L	09/24/15 23:38	
Toluene	<1.000	50.00	58.41	117	77-123	ug/L	09/24/15 23:38	
1,2,3-Trichlorobenzene	<1.000	50.00	51.50	103	66-140	ug/L	09/24/15 23:38	
1,2,4-Trichlorobenzene	<1.000	50.00	51.30	103	72-143	ug/L	09/24/15 23:38	
1,1,1-Trichloroethane	<1.000	50.00	54.48	109	66-133	ug/L	09/24/15 23:38	

PHASE SEPARATION SCIENCE, INC.

QC Summary 15092221

UMM Shore Regional Health at Chestertown
CRHC

Analytical Method: SW-846 8260 B

Prep Method: SW5030B

Seq Number: 126318

Matrix: Water

Date Prep: 09/24/15

MB Sample Id: 57439-1-BLK

LCS Sample Id: 57439-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,2-Trichloroethane	<1.000	50.00	57.28	115	72-128	ug/L	09/24/15 23:38	
Trichloroethene	<1.000	50.00	55.35	111	72-127	ug/L	09/24/15 23:38	
Trichlorofluoromethane	<5.000	50.00	50.26	101	45-130	ug/L	09/24/15 23:38	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	52.86	106	56-126	ug/L	09/24/15 23:38	
Vinyl Chloride	<1.000	50.00	50.08	100	64-132	ug/L	09/24/15 23:38	
m,p-Xylenes	<2.000	100	117.1	117	78-119	ug/L	09/24/15 23:38	
o-Xylene	<1.000	50.00	51.77	104	79-123	ug/L	09/24/15 23:38	

Surrogate	MB %Rec	MB Flag	LCS Result	LCS Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		102		81-133	%	09/24/15 23:38
Dibromofluoromethane	100		100		84-110	%	09/24/15 23:38
Toluene-D8	99		100		94-109	%	09/24/15 23:38

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 HANNON *PHONE NO.: (302) 656-9600
EMAIL: KHANNON@BRIGHTFIELDS FAX NO.: ( )
*PROJECT NAME: CRHC PROJECT NO.:
SITE LOCATION: CHESTERTOWN, MD P.O. NO.:
SAMPLER(S): R. NORTH, K. PLATT DW CERT NO.:

PSS Work Order #: 15092221 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	Analysis/ Method Required ③ * DRO VIA 8015											REMARKS
1	MW16	9/22/15	0851	GW	1	G		X											
2	MW24		0855					X											
3	MW50		0858					X											
4	MW48		0905					X											
5	MW49		0905					X											
6	MW33		0910					X											
7	MW34		0913					X											
8	MW35		0918					X											
9	MW20		0920					X											
10	MW19		0926					X											

5

Relinquished By: (1)	Date	Time	Received By:
[signature]	9/22/15	1315	Van Carter, #2035
Relinquished By: (2)	Date	Time	Received By:
Van Carter, #2035	09/22/15	1505	[signature]
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: 2
Custody Seal: ABS
Ice Present: PRES Temp: 10, 9
Shipping Carrier: TTE

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

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

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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

PSS Work Order #: 15092221 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

1

*CLIENT: UMM *OFFICE LOC. WILMINGTON, DE

*PROJECT MGR: KEN HANNON *PHONE NO.: (302) 656-9600

EMAIL: KHANNON@BRIGHTFIELD *FAX NO.: ( )

*PROJECT NAME: CRHC PROJECT NO.:

SITE LOCATION: CHESTERTOWN, MD P.O. NO.:

SAMPLER(S): R. MORTEL, K. PLATT DW CERT NO.:

2

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	DRO VIA 8015	GRO VIA 8015	VOC VIA 8260	FULL OXYGENATES								REMARKS
	Preservatives Used							HCL	HCL									
11	SYS EFF	9/22/15	0927	GW	5	G	X	X	X	X								
12	MW15	9/22/15	1020	GW	1	G	X											

5

Relinquished By: (1)	Date	Time	Received By:
Ken Mortel	9/22/15	1315	Van Pantin, #2035
Relinquished By: (2)	Date	Time	Received By:
Van Pantin, #2035	09/22/15	1505	[illegible]
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: 2
Custody Seal: ABS
Ice Present: PRES Temp: 10.9
Shipping Carrier: TTE

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

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 #	15092221	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	09/22/2015 03:05:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	10/27/2015	**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)	9
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

Documentation

		Sampler Name	R. Mortel
COC agrees with sample labels?	Yes	MD DW Cert. No.	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 12

Total No. of Containers Received 16

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, 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

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	15092221	**Received By**	Rachel Davis
Client Name	UMM Shore Regional Health at Ches	**Date Received**	09/22/2015 03:05:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Disposal Date	10/27/2015	**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: 09/22/2015

PM Review and Approval: Lynn Jackson — Date: 09/23/2015

APPENDIX B

WELL GAUGING & FIELD REPORTS

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

Project #: 3111.01.52

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

DATE: July 28, 2015
WEATHER: Sunny, 80's
COLLECTED BY: Ron Mortel
ENTERED BY: James Sines

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)	Product Thickness (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MW-1	Lip of Casing	57.05		45.41		11.64	11.64	
MW-2	Lip of Casing	56.37		44.88		11.49	11.49	
MW-3	Lip of Casing	50.55		39.55		11.00	11.00	
MW-4	Lip of Casing	53.40		42.01		11.39	11.39	
MW-5	Lip of Casing	61.08		49.40		11.68	11.68	
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		37.41		9.19	9.19	
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		38.99		9.71	9.71	
MW-11	Lip of Casing	41.49		31.92		9.57	9.57	
MW-12	Lip of Casing	44.46		34.55		9.91	9.91	
MW-13	Lip of Casing	41.70		33.23		8.47	8.47	
MW-14	Lip of Casing	41.38		33.75		7.63	7.63	
MW-15	Lip of Casing	35.01		25.78		9.23	9.23	
MW-16	Lip of Casing	35.55		26.65		8.90	8.90	
MW-17	Lip of Casing	35.49		25.98		9.51	9.51	
MW-18	Lip of Casing	35.82		27.08		8.74	8.74	
MW-19	Lip of Casing	38.85		30.30		8.55	8.55	
MW-20	Lip of Casing	38.72		30.29		8.43	8.43	
MW-21	Lip of Casing	38.55		29.41		9.14	9.14	
MW-22	Lip of Casing	47.04		39.98		7.06	7.06	
MW-23	Lip of Casing	35.95		27.32		8.63	8.63	
MW-24	Lip of Casing	36.56		27.65		8.91	8.91	
MW-25	Lip of Casing	36.10		27.05		9.05	9.05	
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		26.65		9.25	9.25	
MW-29	Lip of Casing	35.15		26.58		8.57	8.57	
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		37.05		10.35	10.35	
MW-32	Lip of Casing	47.41		37.72		9.69	9.69	
MW-33	Lip of Casing	36.52		27.70		8.82	8.82	
MW-34	Lip of Casing	36.64		27.85		8.79	8.79	
MW-35	Lip of Casing	38.62		29.62		9.00	9.00	
MW-37	Lip of Casing	50.54		39.50		11.04	11.04	
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		40.41		0.13	0.13	
RW-3B	Lip of Casing	39.45		41.02		-1.57	-1.57	
MW-40	Lip of Casing	48.88		39.61		9.27	9.27	
MW-41	Lip of Casing	43.15		34.87		8.28	8.28	
RW-4	Lip of Casing	48.15		41.25		6.90	6.90	
RW-5	Lip of Casing	43.34		39.91		3.43	3.43	
RW-6	Lip of Casing	47.22		42.20		5.02	5.02	
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
MP-2B	Lip of Casing			31.82				
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		37.40		9.71	9.71	
MW-43	Lip of Casing	47.90		38.91		8.99	8.99	
MW-44	Lip of Casing	47.20		37.32		9.88	9.88	
MW-45	Lip of Casing	40.70		31.61		9.09	9.09	
MW-46	Lip of Casing	40.89		32.82		8.07	8.07	
MW-47	Lip of Casing	40.74		33.04		7.70	7.70	
MW-48	Lip of Casing	36.22		27.15		9.07	9.07	
MW-49	Lip of Casing	35.49		26.49		9.00	9.00	
MW-50	Lip of Casing	35.64		26.71		8.93	8.93	
IW-1	Lip of Casing	--------	--------	--------	--------	--------	--------	

Project Name:	**Chester River Hospital Center**	Date:	Wednesday, July 08, 2015
Project #:	3111.01.52	Time on - site	9:30 AM
Location:	**Chestertown, Maryland**	Weather:	Cloudy, Low 80's
Personnel present at site:	RCM	Vehicle:	1

Reason for site visit:	yes	no
Surveying	☐	☑
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)	☐	☑	☐	13	NA	Due to low psi, bag filters were not changed
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	12	NA	Due to low psi, bag filters were not changed
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	12	NA	Due to low psi, bag filters were not changed
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	12	NA	Due to low psi, bag filters were not changed

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	40.31	N/A	21.40	3169227	
	RW-3B	☑	☐	☐	41.52	N/A	20.77	16469329	
	RW-4	☑	☐	☐	41.27	N/A	5.34	63406059	
	RW-5	☑	☐	☐	40.58	N/A	12.54	10529610	
	RW-6	☑	☐	☐	42.44	N/A	20.83	31550556	
	MW-22	☑	☐	☐	39.93	N/A	3.97	1919545	

Site Visit Summary

The system was running upon arrival. PSI for all bag filters were low ~12.
The bag filter form inside the shed door indicated that the filters were last changed by hospital staff on 7/6/15.
Two (2) cartridges from Mycelex #1 and one (1) cartridge from Mycelx #2 were changed out due to bio-fouling.

Project Name:	**Chester River Hospital Center**	Date:	Tuesday, July 28, 2015
Project #:	3111.01.52	Time on - site	8:40 AM
Location:	**Chestertown, Maryland**	Weather:	Hot, hazy, mid 90's
Personnel present at site:	RCM, KP	Vehicle:	2

Reason for site visit:	yes	no
Surveying	☐	☑
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)	☑	☐	☐	See sampling logs for July 28, 29 & 30, 2015
	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)	☐	☑	☐	12	NA	Due to low PSI, bag filter was not changed
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	12	NA	Due to low PSI, bag filter was not changed
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	12	NA	Due to low PSI, bag filter was not changed
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	12	NA	Due to low PSI, bag filter was not changed

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	40.41	N/A	22.45	3571687	
	RW-3B	☑	☐	☐	41.02	N/A	20.44	16839803	
	RW-4	☑	☐	☐	41.25	N/A	5.54	63507697	
	RW-5	☑	☐	☐	39.91	N/A	11.35	10735097	
	RW-6	☑	☐	☐	42.20	N/A	20.30	31932713	
	MW-22	☑	☐	☐	39.98	N/A	4.56	1985508	

Site Visit Summary

The system was running upon arrival. PSI for all bag filters were ~12.
The bag filter form inside the shed door indicated that the filters were last changed by hospital staff on 7/27/15.
One (1) cartridge from Mycelx #1 was changed out due to bio-fouling. None needed to be changed from Mycelx #2.

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

Project #: 3111.01.52

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

DATE: August 19, 2015
WEATHER: Cloudy, 80's
COLLECTED BY: Ron Mortel
ENTERED BY: James Sines

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)	Product Thickness (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MW-1	Lip of Casing	57.05		45.11		11.94	11.94	
MW-2	Lip of Casing	56.37		44.61		11.76	11.76	
MW-3	Lip of Casing	50.55		39.20		11.35	11.35	
MW-4	Lip of Casing	53.40		41.71		11.69	11.69	
MW-5	Lip of Casing	61.08		49.18		11.90	11.90	
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		36.64		9.96	9.96	
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		38.11		10.59	10.59	
MW-11	Lip of Casing	41.49		31.32		10.17	10.17	
MW-12	Lip of Casing	44.46		34.10		10.36	10.36	
MW-13	Lip of Casing	41.70		32.50		9.20	9.20	
MW-14	Lip of Casing	41.38		33.60		7.78	7.78	
MW-15	Lip of Casing	35.01		25.57		9.44	9.44	
MW-16	Lip of Casing	35.55		26.36		9.19	9.19	
MW-17	Lip of Casing	35.49		25.85		9.64	9.64	
MW-18	Lip of Casing	35.82		26.99		8.83	8.83	
MW-19	Lip of Casing	38.85		29.65		9.20	9.20	
MW-20	Lip of Casing	38.72		29.61		9.11	9.11	
MW-21	Lip of Casing	38.55		28.96		9.59	9.59	
MW-22	Lip of Casing	47.04		39.09		7.95	7.95	
MW-23	Lip of Casing	35.95		27.21		8.74	8.74	
MW-24	Lip of Casing	36.56		27.39		9.17	9.17	
MW-25	Lip of Casing	36.10		26.90		9.20	9.20	
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		26.63		9.27	9.27	
MW-29	Lip of Casing	35.15		26.57		8.58	8.58	
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		36.54		10.86	10.86	
MW-32	Lip of Casing	47.41		36.99		10.42	10.42	
MW-33	Lip of Casing	36.52		27.26		9.26	9.26	
MW-34	Lip of Casing	36.64		27.39		9.25	9.25	
MW-35	Lip of Casing	38.62		29.07		9.55	9.55	
MW-37	Lip of Casing	50.54		39.38		11.16	11.16	
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		38.29		2.25	2.25	
RW-3B	Lip of Casing	39.45		36.72		2.73	2.73	
MW-40	Lip of Casing	48.88		38.55		10.33	10.33	
MW-41	Lip of Casing	43.15		33.85		9.30	9.30	
RW-4	Lip of Casing	48.15		37.77		10.38	10.38	
RW-5	Lip of Casing	43.34		38.28		5.06	5.06	
RW-6	Lip of Casing	47.22		42.00		5.22	5.22	
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
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		37.25		9.86	9.86	
MW-43	Lip of Casing	47.90		38.01		9.89	9.89	
MW-44	Lip of Casing	47.20		36.65		10.55	10.55	
MW-45	Lip of Casing	40.70		30.97		9.73	9.73	
MW-46	Lip of Casing	40.89		31.98		8.91	8.91	
MW-47	Lip of Casing	40.74		32.17		8.57	8.57	
MW-48	Lip of Casing	36.22		26.80		9.42	9.42	
MW-49	Lip of Casing	35.49		26.23		9.26	9.26	
MW-50	Lip of Casing	35.64		26.39		9.25	9.25	
IW-1	Lip of Casing	--------	--------	--------	--------	--------	--------	

Project Name:	**Chester River Hospital Center**	Date:	Tuesday, August 04, 2015
Project #:	3111.01.52	Time on - site	8:10 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, Mid 80's
Personnel present at site:	RCM & NAP	Vehicle:	1

Reason for site visit:	yes	no
Surveying	☐	☑
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)	☐	☑	☐	11	NA	Due to low psi, bag filters were not changed
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	10	NA	Due to low psi, bag filters were not changed
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	10	NA	Due to low psi, bag filters were not changed
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	10	NA	Due to low psi, bag filters were not changed

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	40.29	N/A	21.39	3751721	
	RW-3B	☑	☐	☐	40.43	N/A	20.67	17007455	
	RW-4	☑	☐	☐	41.17	N/A	5.74	63553828	
	RW-5	☑	☐	☐	39.62	N/A	12.49	10820122	
	RW-6	☑	☐	☐	42.41	N/A	20.64	32105465	
	MW-22	☑	☐	☐	39.57	N/A	4.76	2022651	

Site Visit Summary

The system was running upon arrival. PSI for all bag filters were low ~10.
The bag filter form inside the shed door indicated that the filters were last changed by hospital staff on 8/3/15.
Four (4) cartridges from Mycelx #1 was changed out due to bio-fouling. None needed to be changed from Mycelx #2.

Project Name:	**Chester River Hospital Center**	Date:	Wednesday, August 19, 2015
Project #:	3111.01.52	Time on - site	8:25 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 80's
Personnel present at site:	RCM, KP	Vehicle:	2

Reason for site visit:	yes	no
Surveying	☐	☑
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)	☑	☐	☐	See sampling logs for August 19 & 20, 2015
	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)	☐	☑	☐	15	NA	Bag filter PSI's were ~15 so they weren't changed
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	15	NA	Bag filter PSI's were ~15 so they weren't changed
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	15	NA	Bag filter PSI's were ~15 so they weren't changed
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	15	NA	Bag filter PSI's were ~15 so they weren't changed

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	38.29	N/A	22.96	3912321	System was cycling after re-start
	RW-3B	☑	☐	☐	36.72	N/A	22.17	17159958	System was cycling after re-start
	RW-4	☐	☑	☐	37.77	N/A	0.00	63577022	Pump offline
	RW-5	☑	☐	☐	38.28	N/A	12.61	10896586	System was cycling after re-start
	RW-6	☑	☐	☐	42.00	N/A	22.44	32288695	System was cycling after re-start
	MW-22	☑	☐	☐	39.09	N/A	5.59	2069611	System was cycling after re-start

Site Visit Summary

The system was not running upon arrival. Turned circuit breaker for pump starter off and on to re-start the pumps.
System started cycling after re-start. PSI for all bag filters were ~15. Hospital maintenance last changed the bag filters on 8/17/15.
Two (2) cartridges from Mycelex #1 and none were changed from Mycelx #2 were changed out due to bio-fouling.

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

Project #: 3111.01.52

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

DATE: September 21, 2015
WEATHER: Sunny, 80's
COLLECTED BY: Ron Mortel
ENTERED BY: Sylvan Burch

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)	Product Thickness (ft)	Fluid Level Elevation (ft msl)	Corrected Water Elevation (ft msl)	Estimated Amount Product Recovered (gal) / NOTES:
MW-1	Lip of Casing	57.05		46.08		10.97	10.97	
MW-2	Lip of Casing	56.37		45.61		10.76	10.76	
MW-3	Lip of Casing	50.55		40.20		10.35	10.35	
MW-4	Lip of Casing	53.40		42.69		10.71	10.71	
MW-5	Lip of Casing	61.08		50.05		11.03	11.03	
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				--------	--------	
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		40.48		8.22	8.22	
MW-11	Lip of Casing	41.49		32.90		8.59	8.59	
MW-12	Lip of Casing	44.46		35.38		9.08	9.08	
MW-13	Lip of Casing	41.70		34.30		7.40	7.40	
MW-14	Lip of Casing	41.38		34.91		6.47	6.47	Slight Odor
MW-15	Lip of Casing	35.01		26.55		8.46	8.46	
MW-16	Lip of Casing	35.55		27.45		8.10	8.10	
MW-17	Lip of Casing	35.49		26.69		8.80	8.80	
MW-18	Lip of Casing	35.82		27.71		8.11	8.11	
MW-19	Lip of Casing	38.85		31.23		7.62	7.62	
MW-20	Lip of Casing	38.72		31.29		7.43	7.43	
MW-21	Lip of Casing	38.55		30.22		8.33	8.33	
MW-22	Lip of Casing	47.04		40.11		6.93	6.93	
MW-23	Lip of Casing	35.95		27.98		7.97	7.97	
MW-24	Lip of Casing	36.56		28.40		8.16	8.16	
MW-25	Lip of Casing	36.10		27.72		8.38	8.38	
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		27.27		8.63	8.63	
MW-29	Lip of Casing	35.15		27.20		7.95	7.95	
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		37.98		9.42	9.42	
MW-32	Lip of Casing	47.41		38.91		8.50	8.50	
MW-33	Lip of Casing	36.52		28.60		7.92	7.92	
MW-34	Lip of Casing	36.64		28.70		7.94	7.94	
MW-35	Lip of Casing	38.62		30.51		8.11	8.11	
MW-37	Lip of Casing	50.54		40.21		10.33	10.33	
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		40.80		-0.26	-0.26	
RW-3B	Lip of Casing	39.45		40.16		-0.71	-0.71	
MW-40	Lip of Casing	48.88		41.10		7.78	7.78	
MW-41	Lip of Casing	43.15		37.96		5.19	5.19	
RW-4	Lip of Casing	48.15		47.27		0.88	0.88	
RW-5	Lip of Casing	43.34		40.90		2.44	2.44	
RW-6	Lip of Casing	47.22		43.06		4.16	4.16	
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
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		38.81		8.30	8.30	
MW-43	Lip of Casing	47.90		40.07		7.83	7.83	
MW-44	Lip of Casing	47.20		38.42		8.78	8.78	
MW-45	Lip of Casing	40.70		32.62		8.08	8.08	
MW-46	Lip of Casing	40.89		33.91		6.98	6.98	Slight Odor
MW-47	Lip of Casing	40.74		34.18		6.56	6.56	
MW-48	Lip of Casing	36.22		27.95		8.27	8.27	
MW-49	Lip of Casing	35.49		27.24		8.25	8.25	
MW-50	Lip of Casing	35.64		27.50		8.14	8.14	
IW-1	Lip of Casing	--------	--------	--------	--------	--------	--------	

Project Name:	**Chester River Hospital Center**	Date:	Tuesday, September 15, 2015
Project #:	3111.01.52	Time on - site:	8:40 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 80's
Personnel present at site:	MC & RCM	Vehicle:	1

Reason for site visit:	yes	no
Surveying	☐	☑
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)	☐	☑	☐	14	NA	Bag filter not changed due to low PSI.
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	13	NA	Bag filter not changed due to low PSI.
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	13	NA	Bag filter not changed due to low PSI.
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	13	NA	Bag filter not changed due to low PSI.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	NA	N/A	22.76	4606087	DTW not collected
	RW-3B	☑	☐	☐	NA	N/A	21.12	17795517	DTW not collected
	RW-4	☑	☐	☐	NA	N/A	0.00	N/A	DTW not collected RW4 is still offline.
	RW-5	☑	☐	☐	NA	N/A	11.20	11229095	DTW not collected
	RW-6	☑	☐	☐	NA	N/A	21.40	32963715	DTW not collected
	MW-22	☑	☐	☐	NA	N/A	3.46	2228674	DTW not collected

Site Visit Summary	The system was running upon arrival. PSI for all bag filters were low ~13. The bag filters were changed on 9/14/15 by Ivey Sol personnel due to high BF pressures (~23 PSI)

Project Name:	**Chester River Hospital Center**	Date:	Friday, September 18, 2015
Project #:	3111.01.52	Time on - site:	8:40 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 80's
Personnel present at site:	MC & RCM	Vehicle:	1

Reason for site visit:	yes	no	
Surveying	☐	☑	
Monitoring	☐	☑	
Sampling	☐	☑	
Other	☑	☐	Surfactant Extractions
Recovery system maintenance	☐	☑	
Recovery system repair	☑	☐	New motor installed in pump in RW4

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)	☐	☑	☐	15	NA	Bag filter not changed due to low PSI.
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	15	NA	Bag filter not changed due to low PSI.
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	15	NA	Bag filter not changed due to low PSI.
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	15	NA	Bag filter not changed due to low PSI.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	NA	N/A	21.57	4701057	DTW not collected
	RW-3B	☑	☐	☐	NA	N/A	21.34	17886793	DTW not collected
	RW-4	☑	☐	☐	NA	N/A	14.75	63578116	DTW not collected
	RW-5	☑	☐	☐	NA	N/A	11.73	11278024	DTW not collected
	RW-6	☑	☐	☐	NA	N/A	21.33	33056272	DTW not collected
	MW-22	☑	☐	☐	NA	N/A	3.33	2244379	DTW not collected

Site Visit Summary

The system was running upon arrival. PSI for all bag filters were low ~15.
The bag filters were changed on 9/17/15 by Ivey Sol personnel.
A new motor was installed in the pump in RW4 and the pump was put back in the well and RW4 was back online.

Project Name:	**Chester River Hospital Center**	Date:	Friday, September 25, 2015
Project #:	3111.01.52	Time on - site:	8:40 AM
Location:	**Chestertown, Maryland**	Weather:	Sunny, 80's
Personnel present at site:	MC & RCM	Vehicle:	1

Reason for site visit:	yes	no	
Surveying	☐	☑	
Monitoring	☐	☑	
Sampling	☐	☑	
Other	☑	☐	Surfactant Extractions
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)	☐	☑	☐	14	NA	Bag filter not changed due to low PSI.
	BF-2 (Primary - 50 micron bag)	☐	☑	☐	13	NA	Bag filter not changed due to low PSI.
	BF-3 (Secondary (25 micron bag)	☐	☑	☐	13	NA	Bag filter not changed due to low PSI.
	BF-4 (Primary - 50 micron bag)	☐	☑	☐	12.5	NA	Bag filter not changed due to low PSI.

Recovery Wells	Actively Pumping	yes	no	n/a	DTW	DTP	GPM	**Totalizer**	Comments
	RW-2D	☑	☐	☐	NA	N/A	21.62	4918181	DTW not collected
	RW-3B	☑	☐	☐	NA	N/A	21.26	18095826	DTW not collected
	RW-4	☑	☐	☐	NA	N/A	15.89	63732582	DTW not collected
	RW-5	☑	☐	☐	NA	N/A	11.46	11394191	DTW not collected
	RW-6	☑	☐	☐	NA	N/A	21.33	33264419	DTW not collected
	MW-22	☑	☐	☐	NA	N/A	1.86	2269767	DTW not collected

Site Visit Summary	The system was running upon arrival. PSI for all bag filters were low ~15. The bag filters were changed on 9/24/15 by Ivey Sol personnel.