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April 16, 2014

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

Subject: Chester River Hospital Center – 2014 First Quarter Monitoring Report

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 first quarter monitoring report for period of January 1st through March 31st, 2014. EBA has reviewed the site data collected by Earth Data and laboratory results performed by Phase Separation Science Inc. (PSS). A summary of the first quarter activities are presented below.

- January 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 (TPH-DRO) using EPA Method 8015 and Volatile Organic Compounds (VOCs), including oxygenates, using EPA Method 8260B.

- February 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 (TPH-DRO) using EPA Method 8015.

- March 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 (TPH-DRO) using EPA Method 8015.

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

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 maps, **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 first quarter.

With respect to the eleven targeted monitoring wells, the results of laboratory analysis show detectable levels of TPH-DRO, the primary constituent of concern, were present at MW-20 during all three monthly monitoring events. Detectable levels of TPH-DRO were present at five of the eleven targeted wells (MW-15, MW-16, MW-19, MW-24, and MW-33) during one of the three monthly monitoring events. The remaining five targeted wells (MW-34, MW-35, MW-48, 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 all monitoring and recovery wells, the results of laboratory analysis show detectable levels of Benzene, Ethylbenzene, Xylenes, and Naphthalene are present at the site. None of the detectable levels exceeded MDE's Groundwater Cleanup Standard. A site map showing concentrations of Benzene, Tolulene, Ethylbenzene, Xylenes, and Naphthalene is included in **Figure 3**. Laboratory results are included in **Appendix A.**

A measurable thickness of liquid phase hydrocarbons (LPH) was found on the water table in recovery well RW-3B during January, February, and March's monitoring events at 0.04', 0.02', and 0.30' respectively. The measurable thickness of LPH was immediately removed with a product pump. No other wells showed a measureable thickness of LPH during the three monthly monitoring events. Well gauging and field reports are included in **Appendix B**.

In reviewing the laboratory results and gauging data from the first quarter of 2014, 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's detected within monitoring wells are located within the limits of Chester River Hospital Center.
3) With the exception of MW-20, the remaining ten of the eleven targeted wells were at or below 0.24 mg/l for TPH-DRO.
4) MW-20 has remained within the limits of hydraulic control by the groundwater recovery/containment system.
5) All of the detectable levels for Benzene, Ethylbenzene, Xylenes, and Naphthalene were below MDE's Groundwater Cleanup Standard.
6) Recovery Well 3-B continues to produce a measurable thickness of LPH.

All of the above findings are consistent with the historical results since June 2012. It is anticipated that implementation of the Ivey-sol® process outlined in the Groundwater Remediation Action Plan, will occur within the second quarter of 2014. Following the implementation, we anticipate a further reduction in the analytical concentrations leading towards case closure. The next monitoring event is scheduled for April 2014. 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
Vice President

Attachments:

cc: Mr. Ken Kozel (Shore Regional Health)
Mr. Dane Bauer (Diversified Building Solutions, LLC)
Mr. Andrew Bullen (Earth Data, Inc.)
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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-1	5-Jun-12	57.05	47.38	9.67	<1	<1	<1	<2	<2	<1	**3.1**	NS	<1
	6-Sep-12	57.05	46.01	11.04	<1	<1	<1	<2	<2	<1	**16**	NS	<1
	4-Dec-12	57.05	46.12	10.93	<1	<1	<1	<2	<2	<1	**11**	<0.1	<1
	4-Mar-13	57.05	45.95	11.1	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1
	4-Jun-13	57.05	45.7	11.35	<1	<1	<1	<2	<2	<1	**3**	<0.1	<1
	30-Jan-14	57.05	47.96	9.09	<1	<1	<1	<2	<2	<1	**62**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-2	12-Jun-12	56.37	46.94	9.43	<1	<1	<1	<2	<2	<1	**6.6**	NS	1.2
	6-Sep-12	56.37	45.45	10.92	<1	<1	<1	<2	<2	<1	**7.7**	NS	<1
	4-Dec-12	56.37	45.55	10.82	<1	<1	<1	<2	<2	<1	**20**	<0.1	8
	4-Mar-13	56.37	45.36	11.01	<1	<1	<1	<2	<2	<1	**28**	0.44	5.9
	4-Jun-13	56.37	45.12	11.25	<1	<1	<1	<2	<2	<1	**15**	<0.1	<1
	30-Jan-14	56.37	47.47	8.9	<1	<1	<1	<2	<2	<1	**21**	NS	4.6

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-3	5-Jun-12	50.55	41.82	8.73	<1	<1	<1	<2	<2	<1	**100**	NS	4.1
	6-Sep-12	50.55	39.87	10.68	<1	<1	<1	<2	<2	<1	**0.61**	NS	2.7
	4-Dec-12	50.55	39.92	10.63	<1	<1	<1	<1	<1	<1	**2.6**	<0.1	2.8
	4-Mar-13	50.55	39.75	10.8	<1	<1	<1	<1	<1	<1	**0.48**	<0.1	2.5
	4-Jun-13	50.55	39.5	11.05	<1	<1	<1	<2	<2	<1	**0.34**	<0.1	<1
	30-Jan-14	50.55	42	8.55	<1	<1	<1	<2	<2	<1	**12**	NS	2.3

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-4	5-Jun-12	53.4	44.1	9.3	<1	<1	<1	<2	<2	<1	0.1	NS	<1
	5-Sep-12	53.4	42.55	10.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	53.4	42.64	10.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Mar-13	53.4	42.47	10.93	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Jun-13	53.4	42.22	11.18	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	30-Jan-14	53.4	44.51	8.89	<1	<1	<1	<2	<2	<1	**11**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-5	5-Jun-12	61.08	51.42	9.66	<1	<1	<1	<2	<2	<1	**1.2**	NS	<1
	6-Sep-12	61.08	50.01	11.07	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1
	4-Dec-12	61.08	50.12	10.96	<1	<1	<1	<2	<2	<1	**0.38**	<0.1	<1
	4-Mar-13	61.08	49.93	11.15	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1
	4-Jun-13	61.08	49.68	11.4	<1	<1	<1	<2	<2	<1	**1.6**	<01	<1
	30-Jan-14	61.08	51.93	9.15	<1	<1	<1	<2	<2	<1	**36**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**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
	6-Sep-12	46.95	36.99	9.96	<1	<1	<1	<2	<2	<1	**1.1**	NS	<1
	4-Dec-12	46.1	36.18	9.92	<1	<1	<1	<2	<2	<1	**0.64**	<0.1	<1
	4-Mar-13	46.1	35.98	10.12	<1	<1	<1	<2	<2	<1	**0.47**	<0.1	<1
	4-Jun-13	46.1	35.72	10.38	<1	<1	<1	<2	<2	<1	**0.6**	<0.1	<1
	30-Jan-14	46.1	39.47	6.63	<1	<1	<1	<2	<2	<1	**5.9**	NS	1.5

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-10R	4-Dec-12	48.81	36.9	11.91	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1
	4-Mar-13	48.81	38.62	10.19	<1	<1	<1	<2	<2	<1	**0.15**	<0.1	<1
	3-Jun-13	48.7	38.23	10.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	48.7	41.86	6.84	<1	<1	<1	<2	<2	<1	**11**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-11	5-Jun-12	41.49	33.85	7.64	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	41.49	31.97	9.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	41.49	31.98	9.51	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	41.49	31.76	9.73	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	41.49	31.52	9.97	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	41.49	34.86	6.63	<1	<1	<1	<2	<2	<1	**12**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-12	5-Jun-12	44.46	36.85	7.61	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	44.46	34.52	9.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	44.46	34.53	9.93	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	44.46	34.35	10.11	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	44.46	34.08	10.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	1-Feb-14	44.46	37	7.46	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-13	6-Jun-12	41.7	34.94	6.76	<1	<1	<1	<2	<2	<1	**3.8**	NS	1.2
	6-Sep-12	41.7	32.43	9.27	<1	<1	<1	<2	<2	<1	**0.86**	NS	1.1
	4-Dec-12	41.7	32.41	9.29	<1	<1	<1	<2	<2	<1	**1**	<0.1	<1
	4-Mar-13	41.7	32.21	9.49	<1	<1	<1	<2	<2	<1	**9.5**	<0.1	<1
	4-Jun-13	41.7	31.92	9.78	<1	<1	<1	<2	<2	<1	**33**	<0.1	<1
	30-Jan-14	41.7	36.15	5.55	<1	<1	<1	<2	<2	<1	**7.7**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-14	6-Jun-12	41.38	35.44	5.94	1.2	<1	19	3.1	24.3	<1	**17**	NS	210
	6-Sep-12	41.38	32.04	9.34	<1	<1	<1	<2	<2	<1	**180**	NS	6.3
	4-Dec-12	41.38	32.04	9.34	**6.2**	<1	31	104	141.2	<1	**9700**	4.7	250
	4-Mar-13	41.38	31.81	9.57	<1	<1	5.2	<2	5.2	<1	**92**	0.24	40
	4-Jun-13	41.38	31.32	10.06	<1	<1	<1	<2	<2	<1	**410**	<0.1	3.6
	30-Jan-14	41.38	36.74	4.64	2.9	<1	40	8	<2	<1	**21**	NS	110

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-15	5-Jun-12	35.01	27.73	7.28	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.01	26.7	8.31	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	35.01	26.79	8.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	35.01	26.82	8.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	35.01	26.63	8.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.01	26.35	8.66	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	35.01	26.2	8.81	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.01	26.14	8.87	<1	<1	<1	<2	<2	<1	**1.5**	<0.1	<1
	17-Jun-13	35.01	26.7	8.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	35.01	27.97	7.04	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS
	21-Aug-13	35.01	28.22	6.79	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	35.01	28.45	6.56	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	35.01	28.28	6.73	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	22-Nov-13	35.01	28.27	6.74	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	35.01	28.42	6.59	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	35.01	28.78	6.23	<1	<1	<1	<2	<2	<1	**0.2**	NS	67
	24-Feb-14	35.01	28.5	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	35.01	28.21	6.8	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-16	5-Jun-12	35.55	28.70	6.85	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.55	27.27	8.28	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	35.55	27.35	8.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	35.55	27.40	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	35.55	27.19	8.36	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	7-Jan-13	35.55	27.10	8.45	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Feb-13	35.55	26.95	8.60	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.55	26.92	8.63	<1	<1	<1	<2	<2	<1	**0.18**	<0.1	<1
	8-Apr-13	35.55	26.84	8.71	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	35.55	26.77	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.55	26.71	8.84	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1
	17-Jun-13	35.55	27.48	8.07	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	35.55	28.99	6.56	NS	NS	NS	NS	NS	NS	**0.21**	NS	NS
	21-Aug-13	35.55	29.27	6.28	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	35.55	29.50	6.05	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	35.55	29.17	6.38	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	35.55	29.16	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	35.55	29.37	6.18	NS	NS	NS	NS	NS	NS	**0.19**	NS	NS
	30-Jan-14	35.55	29.62	5.93	<1	<1	<1	<2	<2	<1	**0.24**	NS	<1
	24-Feb-14	35.55	29.35	6.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	35.55	29.24	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-17	5-Jun-12	35.49	27.72	7.77	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.49	27.16	8.33	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	35.49	27.1	8.39	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.49	26.81	8.68	<1	<1	<1	<2	<2	<1	**1**	<0.1	<1
	4-Jun-13	35.49	26.59	8.9	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1
	1-Feb-14	35.49	28.95	6.54	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-18	5-Jun-12	35.82	28.73	7.09	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.82	28.34	7.48	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	35.82	28.3	7.52	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	<1
	4-Mar-13	35.82	27.98	7.84	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.82	27.79	8.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	35.82	30.05	5.77	<1	<1	<1	<2	<2	<1	**0.13**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-19	5-Jun-12	38.85	32.60	6.25	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	38.85	29.91	8.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	38.85	30.00	8.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	38.85	30.07	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	38.85	29.89	8.96	<1	<1	<1	<2	<2	<1	**0.86**	<0.1	<1
	7-Jan-13	38.85	29.82	9.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	5.1
	5-Feb-13	38.85	29.67	9.18	<1	<1	<1	<2	<2	<1	**0.17**	<0.1	<1
	4-Mar-13	38.85	29.65	9.20	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	1
	8-Apr-13	38.85	29.55	9.30	<1	<1	<1	<2	<2	<1	**1.3**	<0.1	<1
	6-May-13	38.85	29.47	9.38	<1	<1	<1	<2	<2	<1	**0.13**	<0.1	<1
	4-Jun-13	38.85	29.41	9.44	<1	<1	<1	<2	<2	<1	**0.36**	<0.1	<1
	17-Jun-13	38.85	30.97	7.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	38.85	32.96	5.89	NS	NS	NS	NS	NS	NS	**0.14**	NS	NS
	21-Aug-13	38.85	33.33	5.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	38.85	33.51	5.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	38.85	32.85	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	38.85	32.99	5.86	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	38.85	33.23	5.62	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	38.85	33.23	5.62	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1
	2/24/2014	38.85	32.97	5.88	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	3/24/2014	38.85	33.06	5.79	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-20	5-Jun-12	38.72	32.63	6.09	<1	<1	<1	<2	<2	<1	**1.3**	NS	<1
	27-Jul-12	38.72	30.11	8.61	<1	<1	<1	<2	<2	<1	**1.9**	NS	<1
	5-Sep-12	38.72	29.74	8.98	<1	<1	<1	<2	<2	<1	**1.8**	NS	<1
	1-Oct-12	38.72	29.84	8.88	<1	<1	<1	<2	<2	<1	**4**	<0.1	<1
	5-Nov-12	38.72	29.92	8.80	<1	<1	<1	<2	<2	<1	**2.5**	<0.1	<1
	4-Dec-12	38.72	29.72	9.00	<1	<1	<1	<2	<2	<1	**1.9**	<0.1	<1
	7-Jan-13	38.72	29.68	9.04	<1	<1	<1	<2	<2	<1	**0.68**	<0.1	2.2
	5-Feb-13	38.72	29.57	9.15	<1	<1	<1	<2	<2	<1	**0.95**	<0.1	<1
	4-Mar-13	38.72	29.49	9.23	<1	<1	<1	<2	<2	<1	**2.2**	<0.1	<1
	8-Apr-13	38.72	29.40	9.32	<1	<1	<1	<2	<2	<1	**1**	<0.1	<1
	6-May-13	38.72	29.31	9.41	<1	<1	<1	<2	<2	<1	**1.8**	<0.1	<1
	4-Jun-13	38.72	29.24	9.48	<1	<1	<1	<2	<2	<1	**1.6**	<0.1	<1
	17-Jun-13	38.72	31.08	7.64	NS	NS	NS	NS	NS	NS	**1.9**	NS	NS
	24-Jul-13	38.72	32.96	5.76	NS	NS	NS	NS	NS	NS	**2.2**	NS	NS
	21-Aug-13	38.72	33.33	5.39	NS	NS	NS	NS	NS	NS	**2**	NS	NS
	24-Sep-13	38.72	33.51	5.21	NS	NS	NS	NS	NS	NS	**1.1**	NS	NS
	21-Oct-13	38.72	32.91	5.81	NS	NS	NS	NS	NS	NS	**2.4**	NS	NS
	18-Nov-13	38.72	33.00	5.72	NS	NS	NS	NS	NS	NS	**2.8**	NS	NS
	18-Dec-13	38.72	33.26	5.46	NS	NS	NS	NS	NS	NS	**2.4**	NS	NS
	30-Jan-14	38.72	33.29	5.43	<1	<1	<1	<2	<2	<1	**5.7**	NS	<1
	24-Feb-14	38.72	33.06	5.66	NS	NS	NS	NS	NS	NS	**0.58**	NS	NS
	24-Mar-14	38.72	33.13	5.59	NS	NS	NS	NS	NS	NS	**4.4**	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-21	5-Jun-12	38.55	31.26	7.29	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	38.55	29.61	8.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	38.55	29.56	8.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	38.55	29.33	9.22	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	38.55	29.09	9.46	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	1-Feb-14	38.55	31.22	7.33	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-22	5-Sep-12	45.75	35.84	9.91	<1	<1	<1	<2	<2	<1	**41**	NS	1.7
	5-Dec-12	45.75	35.88	9.87	<1	<1	<1	<2	<2	<1	**200**	**0.45**	<1
	4-Mar-13	47.04	36.95	10.09	<1	<1	<1	<2	<2	<1	**4.5**	**0.26**	1.3
	4-Jun-13	47.04	36.77	10.27	<1	<1	<1	<2	<2	<1	**44**	<0.1	<1
	30-Jan-14	47.04	44.14	2.9	<1	<1	<1	<2	<2	<1	**0.16**	NS	1.3

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-23	5-Jun-12	35.95	28.98	6.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.95	28.55	7.4	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	35.95	28.4	7.55	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.95	28.1	7.85	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.95	27.92	8.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	1-Feb-14	35.95	30.23	5.72	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-24	5-Jun-12	36.56	29.65	6.91	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	36.56	28.35	8.21	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	36.56	28.41	8.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	36.56	28.48	8.08	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	36.56	28.28	8.28	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	<1
	7-Jan-13	36.56	28.16	8.40	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Feb-13	36.56	28.03	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	36.56	27.99	8.57	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	8-Apr-13	36.56	27.91	8.65	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	36.56	27.86	8.70	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	36.56	27.80	8.76	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	17-Jun-13	36.56	28.48	8.08	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	36.56	29.96	6.60	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS
	21-Aug-13	36.56	30.24	6.32	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	36.56	30.46	6.10	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	36.56	30.14	6.42	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	36.56	30.12	6.44	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	36.56	30.30	6.26	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	36.56	30.57	5.99	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	24-Feb-14	36.56	30.29	6.27	NS	NS	NS	NS	NS	NS	**0.17**	NS	NS
	24-Mar-14	36.56	30.19	6.37	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-25	5-Jun-12	36.1	28.76	7.34	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	36.1	28.18	7.92	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	36.1	28.08	8.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	36.1	27.78	8.32	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	36.1	27.57	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	36.1	30.04	6.06	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-28	5-Jun-12	35.9	28.28	7.62	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.9	28.2	7.7	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	35.9	28.02	7.88	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.9	27.73	8.17	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.9	27.52	8.38	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	35.9	29.64	6.26	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-29	5-Jun-12	35.15	28.18	6.97	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	35.15	28.16	6.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	35.15	27.96	7.19	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	35.15	27.68	7.47	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	35.15	27.46	7.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	35.15	29.57	5.58	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-31R	4-Dec-12	47.4	36.19	11.21	<1	<1	<1	<2	<2	<1	**0.45**	<0.1	<1
	4-Mar-13	47.4	37.16	10.24	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1
	3-Jun-13	47.4	36.92	10.48	<1	<1	<1	<2	<2	4.1	<0.1	<0.1	<1
	30-Jan-14	47.4	39.89	7.51	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

NS - Not Sampled

Table 1 - Groundwater Monitoring Wells - Historic Data Summary
Chester River Hospital Center
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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-32	5-Jun-12	44.6	37.08	7.52	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	44.6	34.84	9.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	44.6	34.89	9.71	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	47.41	37.39	10.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	47.41	37.15	10.26	<1	<1	<1	<2	<2	1.1	<0.1	<0.1	<1
	30-Jan-14	47.41	40.65	6.76	<1	<1	<1	<2	<2	<1	<0.1	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-33	5-Jun-12	36.52	29.89	6.63	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	36.52	27.85	8.67	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	36.52	27.94	8.58	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	36.52	27.99	8.53	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	36.52	27.80	8.72	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	7-Jan-13	36.52	27.73	8.79	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Feb-13	36.52	27.56	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	36.52	27.54	8.98	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	8-Apr-13	36.52	27.46	9.06	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	36.52	27.32	9.20	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	17-Jun-13	36.52	28.47	8.05	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	36.52	30.24	6.28	NS	NS	NS	NS	NS	NS	**0.31**	NS	NS
	21-Aug-13	36.52	30.55	5.97	NS	NS	NS	NS	NS	NS	**0.25**	NS	NS
	24-Sep-13	36.52	30.76	5.76	NS	NS	NS	NS	NS	NS	**0.17**	NS	NS
	21-Oct-13	36.52	30.28	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	36.52	30.33	6.19	NS	NS	NS	NS	NS	NS	**0.24**	NS	NS
	18-Dec-13	36.52	30.54	5.98	NS	NS	NS	NS	NS	NS	**0.3**	NS	NS
	30-Jan-14	36.52	30.69	5.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	36.52	30.41	6.11	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	36.52	30.42	6.10	NS	NS	NS	NS	NS	NS	**0.13**	NS	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-34	5-Jun-12	36.64	29.99	6.65	<1	<1	<1	<2	<2	<1	**0.14**	NS	<1
	27-Jul-12	36.64	28.32	8.32	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	36.64	27.99	8.65	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	36.64	28.08	8.56	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	36.64	28.14	8.50	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	36.64	27.95	8.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	7-Jan-13	36.64	27.86	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Feb-13	36.64	27.71	8.93	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	36.64	27.68	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	8-Apr-13	36.64	27.61	9.03	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	36.64	27.53	9.11	<1	<1	<1	<2	<2	<1	**0.11**	<0.1	<1
	4-Jun-13	36.64	27.46	9.18	<1	<1	<1	<2	<2	<1	**0.25**	<0.1	<1
	17-Jun-13	36.64	28.62	8.02	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	36.64	30.30	6.34	NS	NS	NS	NS	NS	NS	**0.13**	NS	NS
	21-Aug-13	36.64	30.60	6.04	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	36.64	30.81	5.83	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	36.64	30.40	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	36.64	30.42	6.22	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	36.64	30.64	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	36.64	30.82	5.82	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	36.64	30.55	6.09	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	36.64	30.51	6.13	NS	NS	NS	NS	NS	NS	<0.1	NS	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-35	5-Jun-12	38.62	31.79	6.83	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	38.62	29.63	8.99	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	1-Oct-12	38.62	29.70	8.92	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Nov-12	38.62	29.72	8.90	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Dec-12	38.62	29.60	9.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	7-Jan-13	38.62	29.55	9.07	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	5-Feb-13	38.62	29.38	9.24	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	38.62	29.33	9.29	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	8-Apr-13	38.62	29.28	9.34	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	38.62	29.22	9.40	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Jun-13	38.62	29.15	9.47	<1	<1	<1	<2	<2	<1	**0.16**	<0.1	<1
	17-Jun-13	38.62	30.35	8.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	38.62	32.11	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Aug-13	38.62	32.42	6.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	38.62	32.62	6.00	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	38.62	32.23	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	38.62	32.24	6.38	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	38.62	32.48	6.14	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	38.62	32.61	6.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	38.62	32.38	6.24	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	38.62	32.35	6.27	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-37	5-Jun-12	50.54	41.64	8.9	<1	<1	<1	<2	<2	<1	**22**	NS	3.9
	6-Sep-12	50.54	39.81	10.73	<1	2.9	1.7	<2	4.6	<1	**100**	NS	17
	4-Dec-12	50.54	39.89	10.65	<1	<1	<1	<2	<2	<1	**27**	<0.1	6.1
	4-Mar-13	50.54	39.7	10.84	<1	<1	<1	<2	<2	<1	**67**	**0.47**	7.4
	4-Jun-13	50.54	39.45	11.09	<1	<1	<1	<2	<2	<1	**12**	<0.1	3.9
	30-Jan-14	50.54	41.97	8.57	<1	<1	<1	<2	<2	<1	**46**	NS	2.1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-40	6-Jun-12	46.85	39.96	6.89	<1	<1	<1	<2	<2	<1	**12**	NS	<1
	6-Sep-12	46.85	36.79	10.06	<1	<1	<1	1.1e	1.1e	<1	**26**	NS	1.5
	4-Dec-12	46.85	36.84	10.01	<1	<1	<1	1.2e	1.2e	<1	**190**	<0.1	2.1
	4-Mar-13	48.98	38.66	10.32	<1	<1	<1	<2	<2	<1	**21**	<0.1	1.5
	4-Jun-13	48.69	38.22	10.47	<1	<1	<1	1.9e	1.9e	<1	**76**	**0.19**	3.3
	30-Jan-14	48.69	42.48	6.21	<1	<1	<1	<2	<2	<1	**5.9**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-41	6-Jun-12	42.92	36.62	6.3	<1	<1	3.4	12	15.4	<1	**92**	NS	46
	6-Sep-12	42.92	33.31	9.61	<1	<1	1.2	5.1	7.2	<1	**23**	NS	24
	4-Dec-12	42.92	33.29	9.63	<1	<1	9	20	29	<1	**190**	1.7	82
	4-Mar-13	42.92	33.06	9.86	<1	<1	2.5	5.6	8.1	<1	**63**	**0.15**	23
	4-Jun-13	42.92	32.81	10.11	<1	<1	1.7	6.9	8.6	<1	**410**	**0.35**	14
	30-Jan-14	42.92	37.41	5.51	<1	<1	3.6	6.2	<2	<1	**76**	NS	30

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-42	6-Jun-12	47.04	40.48	6.56	<1	<1	1.2	<2	1.2e	<1	**110**	NS	16
	6-Sep-12	47.04	37.06	9.98	<1	<1	<1	<2	<2	<1	**98**	NS	6.5
	4-Dec-12	46.15	36.17	9.98	<1	<1	<1	<2	<2	<1	**160**	<0.1	2.6
	4-Mar-13	46.15	36	10.15	<1	<1	<1	<2	<2	<1	**87**	<0.1	2.8
	4-Jun-13	46.15	35.72	10.43	<1	<1	<1	<2	<2	<1	**55**	<0.1	6.1
	30-Jan-14	46.15	39.32	6.83	<1	<1	<1	<2	<2	<1	**0.47**	NS	1.3

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-43	6-Jun-12	46.55	39.73	6.82	<1	<1	<1	<2	<2	<1	**0.21**	NS	<1
	6-Sep-12	46.55	36.62	9.93	<1	<1	<1	<2	<2	<1	**0.21**	NS	<1
	4-Dec-12	46.55	36.61	9.94	<1	<1	<1	<2	<2	<1	**0.22**	<0.1	<1
	4-Mar-13	48.03	37.92	10.11	<1	<1	<1	<2	<2	<1	**0.1**	<0.1	<1
	4-Jun-13	47.9	37.55	10.35	<1	<1	<1	<2	<2	<1	**0.23**	<0.1	1.4
	30-Jan-14	47.9	41.75	6.15	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-44	5-Jun-12	46.66	38.8	7.86	<1	<1	<1	<2	<2	<1	**0.46**	NS	<1
	5-Sep-12	46.66	36.77	9.89	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	46.66	36.79	9.87	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	4-Mar-13	47.46	37.26	10.2	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	3-Jun-13	47.2	36.9	10.3	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	47.2	40.2	7	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-45	5-Jun-12	40.91	33.67	7.24	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	5-Sep-12	40.91	31.59	9.32	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	4-Dec-12	40.91	31.6	9.31	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	3-Jun-13	40.91	31.11	9.8	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	30-Jan-14	40.91	34.76	6.15	<1	<1	<1	<2	<2	<1	<0.1	NS	1.8

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-46	6-Jun-12	41.08	34.67	6.41	<1	<1	1.5	6.9	8.4	<1	**130**	NS	28
	6-Sep-12	41.08	31.78	9.3	<1	<1	1.5	12	13.5	<1	**9.4**	NS	28
	4-Dec-12	41.08	31.42	9.66	<1	<1	<1	2.3	2.3	<1	**170**	<0.1	6.5
	4-Mar-13	41.08	31.53	9.55	<1	<1	<1	3.6	3.6	<1	**100**	<0.1	6.5
	4-Jun-13	41.08	31.3	9.78	<1	<1	<1	1.8	1.8e	<1	**14**	<0.1	3.4
	30-Jan-14	41.08	36.2	4.88	<1	<1	<1	1.3	<2	<1	**1.5**	NS	3.3

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-47	6-Jun-12	40.74	34.59	6.15	<1	<1	<1	2.2	2.2	<1	**99**	NS	8.5
	4-Dec-12	40.74	31.42	9.32	<1	<1	<1	<2	<2	<1	**180**	**0.11**	1.7
	4-Mar-13	40.74	31.17	9.57	1.9	<1	17	78.3	97.2	<1	**6500**	**14**	180

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-48	8-Apr-13	36.22	27.26	8.96	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	36.22	27.20	9.02	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	3-Jun-13	36.22	27.13	9.09	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	17-Jun-13	36.22	28.02	8.20	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	36.22	29.53	6.69	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS
	21-Aug-13	36.22	29.77	6.45	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	36.22	30.00	6.22	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	36.22	29.71	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	36.22	29.68	6.54	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	36.22	29.90	6.32	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	36.22	30.15	6.07	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	36.22	29.91	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	36.22	29.75	6.47	NS	NS	NS	NS	NS	NS	<0.1	NS	NS

NS - Not Sampled

EBA ENGINEERING

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-49	8-Apr-13	35.49	26.80	8.69	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	35.49	26.75	8.74	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	3-Jun-13	35.49	26.68	8.81	<1	<1	<1	<2	<2	<1	**0.32**	<0.1	<1
	17-Jun-13	35.49	27.37	8.12	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	35.49	28.72	6.77	NS	NS	NS	NS	NS	NS	**0.11**	NS	NS
	21-Aug-13	35.49	28.98	6.51	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	35.49	29.22	6.27	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	35.49	28.97	6.52	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	35.49	28.95	6.54	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	35.49	29.15	6.34	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	35.49	29.48	6.01	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	35.49	29.20	6.29	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	35.49	28.97	6.52	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
MW-50	8-Apr-13	35.64	26.86	8.78	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	6-May-13	35.64	26.81	8.83	<1	<1	<1	<2	<2	<1	<0.1	<0.1	<1
	3-Jun-13	35.64	26.74	8.90	<1	<1	<1	<2	<2	<1	**0.35**	<0.1	<1
	17-Jun-13	35.64	27.57	8.07	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Jul-13	35.64	29.07	6.57	NS	NS	NS	NS	NS	NS	**0.14**	NS	NS
	21-Aug-13	35.64	29.33	6.31	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Sep-13	35.64	29.55	6.09	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	21-Oct-13	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Nov-13	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	18-Dec-13	35.64	29.43	6.21	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	30-Jan-14	35.64	29.70	5.94	<1	<1	<1	<2	<2	<1	<0.1	NS	<1
	24-Feb-14	35.64	29.43	6.21	NS	NS	NS	NS	NS	NS	<0.1	NS	NS
	24-Mar-14	35.64	29.25	6.39	NS	NS	NS	NS	NS	NS	<0.1	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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
RW-2D	4-Mar-13	40.54	30.95	9.59	<1	<1	<1	<2	<2	<1	**100**	<0.1	<1
	4-Jun-13	40.54	30.72	9.82	<1	<1	<1	<2	<2	<1	**23**	<0.1	<1
	30-Jan-14	40.54	43.23	-2.69	<1	<1	<1	<2	<2	<1	**17**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
RW-3B	5-Sep-12	39.45	30.15	9.3	<1	<1	<1	<2	<2	<1	**280**	NS	4.1
	5-Dec-12	39.45	31.14	8.31	<1	<1	9.7	29.6	39.3	<1	**3000**	**0.66**	120
	4-Mar-13	39.45	29.94	9.5272	<1	<1	7.6	26.9	34.5	<1	**1100**	**24**	110
	30-Jan-14	39.45	40.72	-1.2356	<1	<1	<1	<2	<2	<1	**0.12**	NS	<1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
RW-4	5-Sep-12	45.69	35.65	10.04	<1	<1	<1	<2	<2	<1	**4.7**	NS	<1
	5-Dec-12	45.69	35.68	10.01	<1	<1	<1	2	2	<1	**3.5**	<0.1	35
	4-Mar-13	48.18	38.02	10.16	<1	<1	<1	<2	<2	<1	**1.7**	<0.1	<1
	4-Jun-13	48.18	37.77	10.41	<1	<1	<1	<2	<2	<1	**0.54**	<0.1	<1
	30-Jan-14	48.18	44.9	3.28	<1	<1	<1	<2	<2	<1	**0.14**	NS	1.1

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)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
RW-5	5-Sep-12	43.34	33.5	9.84	<1	<1	<1	<2	<2	<1	**26**	NS	<1
	5-Dec-12	43.34	33.52	9.82	<1	<1	<1	<2	<2	<1	**52a**	1.5	1.6
	4-Mar-13	43.34	33.3	10.04	<1	<1	<1	<2	<2	<1	**9.9**	<0.1	<1
	4-Jun-13	43.34	33.05	10.29	<1	<1	<1	<2	<2	<1	**40**	<0.1	<1
	30-Jan-14	43.34	41.75	1.59	<1	<1	<1	<2	<2	<1	**0.17**	NS	1

NS - Not Sampled

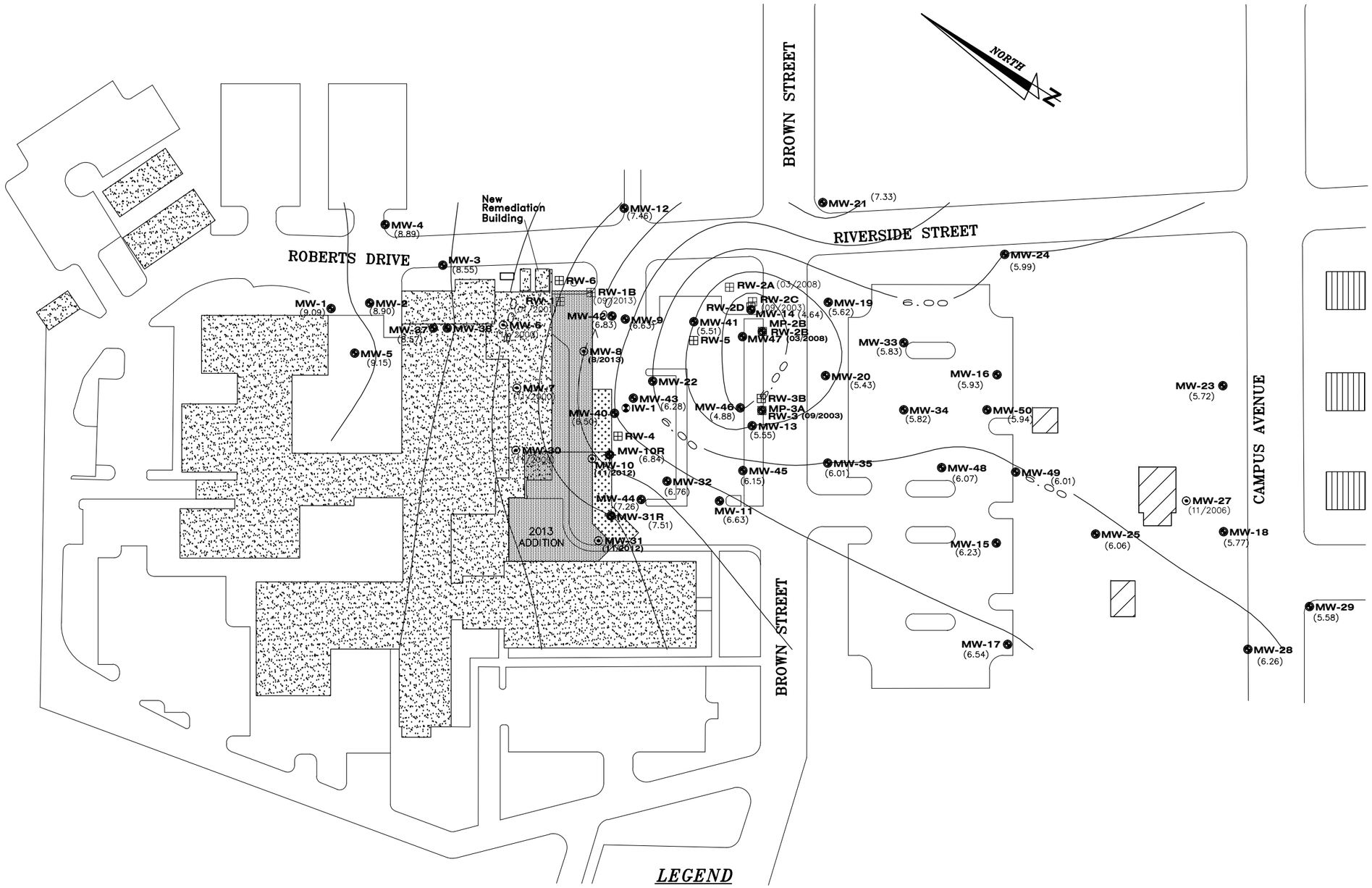
Well No.	Date	Top of Casing Elevation (ft)	Depth to Water (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Naphthalene (µg/L)
MDE GW Cleanup Standards for Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.047**	**0.047**	**NA**
RW-6	5-Jun-12	47.22	47.48	-0.26	<1	<1	2.4	4.1	6.5	<1	**16**	NS	33
	5-Sep-12	47.22	36.95	10.27	<1	<1	<1	<2	<2	<1	**22**	NS	<1
	5-Dec-12	47.22	37.01	10.21	<1	<1	<1	<2	<2	<1	**1.4**	<0.1	<1
	4-Mar-13	47.22	36.81	10.41	<1	<1	<1	<2	<2	<1	**0.53**	<0.1	1.1
	4-Jun-13	47.22	36.55	10.67	<1	<1	<1	<2	<2	<1	**0.65**	<0.1	<1

NS - Not Sampled

FIGURES

FIGURE 1

Water Table Contour Maps – January, February, March



LEGEND

MW-40	MONITORING WELL
RW-3B	RECOVERY WELL
IW-1	INJECTION WELL
MW-30 (09/2003)	ABANDONED MONITORING WELL DATE OF ABANDONMENT
RW-3 (09/2003)	ABANDONED RECOVERY WELL DATE OF ABANDONMENT
5.50	WATER TABLE CONTOUR MEASURED 01/30/2014 (FT. MSL)

FIGURE 1

WATER TABLE CONTOUR MAP FOR

CHESTER RIVER HOSPITAL CENTER

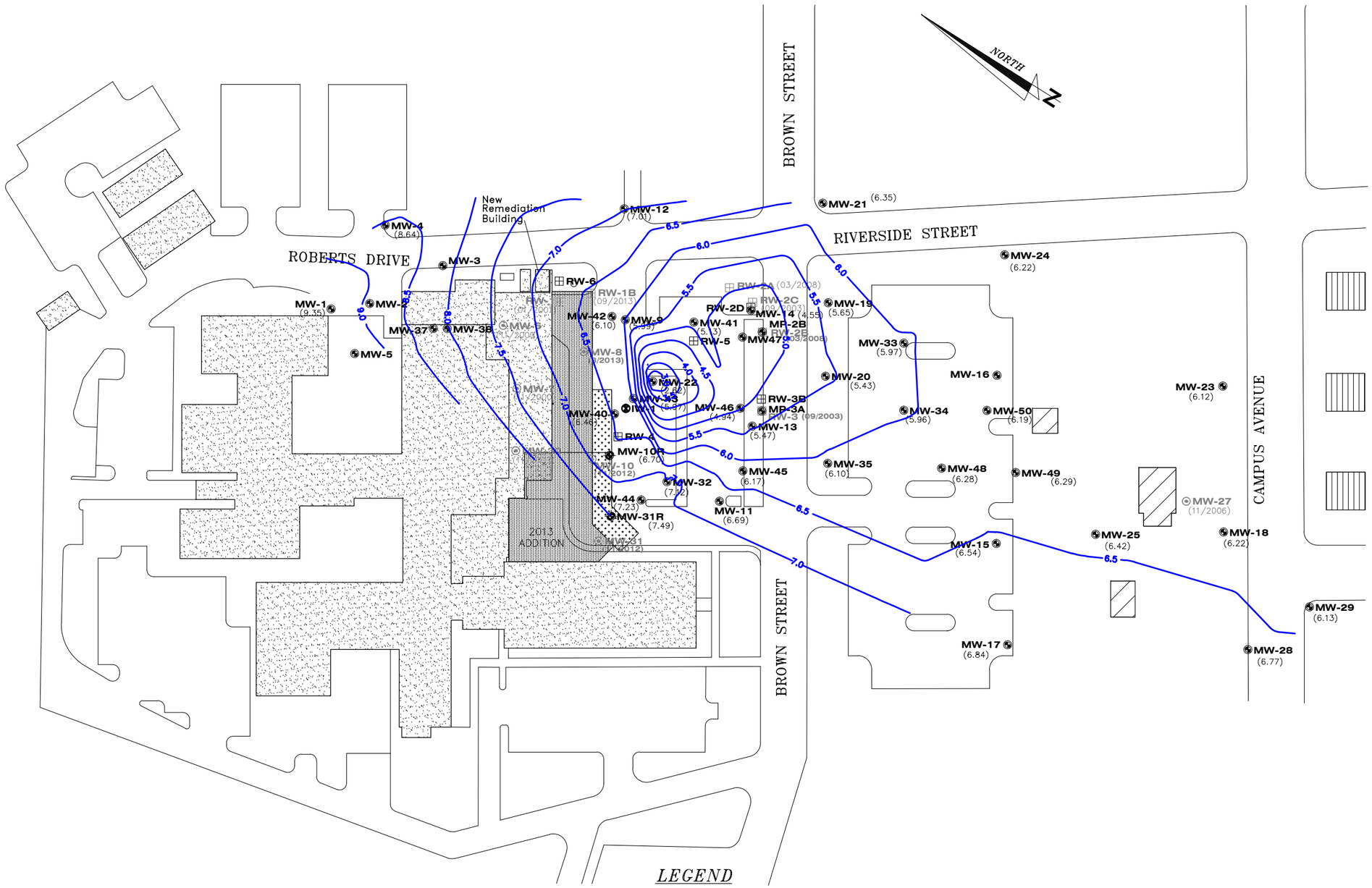
CHESTERTOWN, MARYLAND

PROJ. MGR.:	SCALE:	CADD FILE:	BASE MAP:
A.BULLEN	AS SHOWN	2781–JAN 14	
DRAWN BY:	DATE:	PROJECT:	SURVEY BY:
T.COCHRUN	02/12/2014	2781	

Earth Data INCORPORATED
GROUNDWATER & ENVIRONMENTAL CONSULTANTS
131 COMET DRIVE
CENTREVILLE, MARYLAND 21617
TEL. 410.758.8160 / FAX 410.758.8168
www.earthdatainc.com

X:\DAN-WORK FOR OTHERS\JAMES\4070-00-00\2781-JAN 2014\2781-JAN 14.dwg

Figure 1 – Water table contour map January 30, 2014 – Chester River Hospital Center, Chestertown, Maryland.



LEGEND

MW-40	MONITORING WELL
RW-3B	RECOVERY WELL
IW-1	INJECTION WELL
MW-30 (09/2003)	ABANDONED MONITORING WELL DATE OF ABANDONMENT
RW-3 (09/2003)	ABANDONED RECOVERY WELL DATE OF ABANDONMENT
5.50	WATER TABLE CONTOUR MEASURED 01/30/2014 (FT. MSL)

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	02/24/2014

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\2781-FEB.dwg

Figure 1 – Water table contour map February 24, 2014 – Chester River Hospital Center, Chestertown, Maryland.

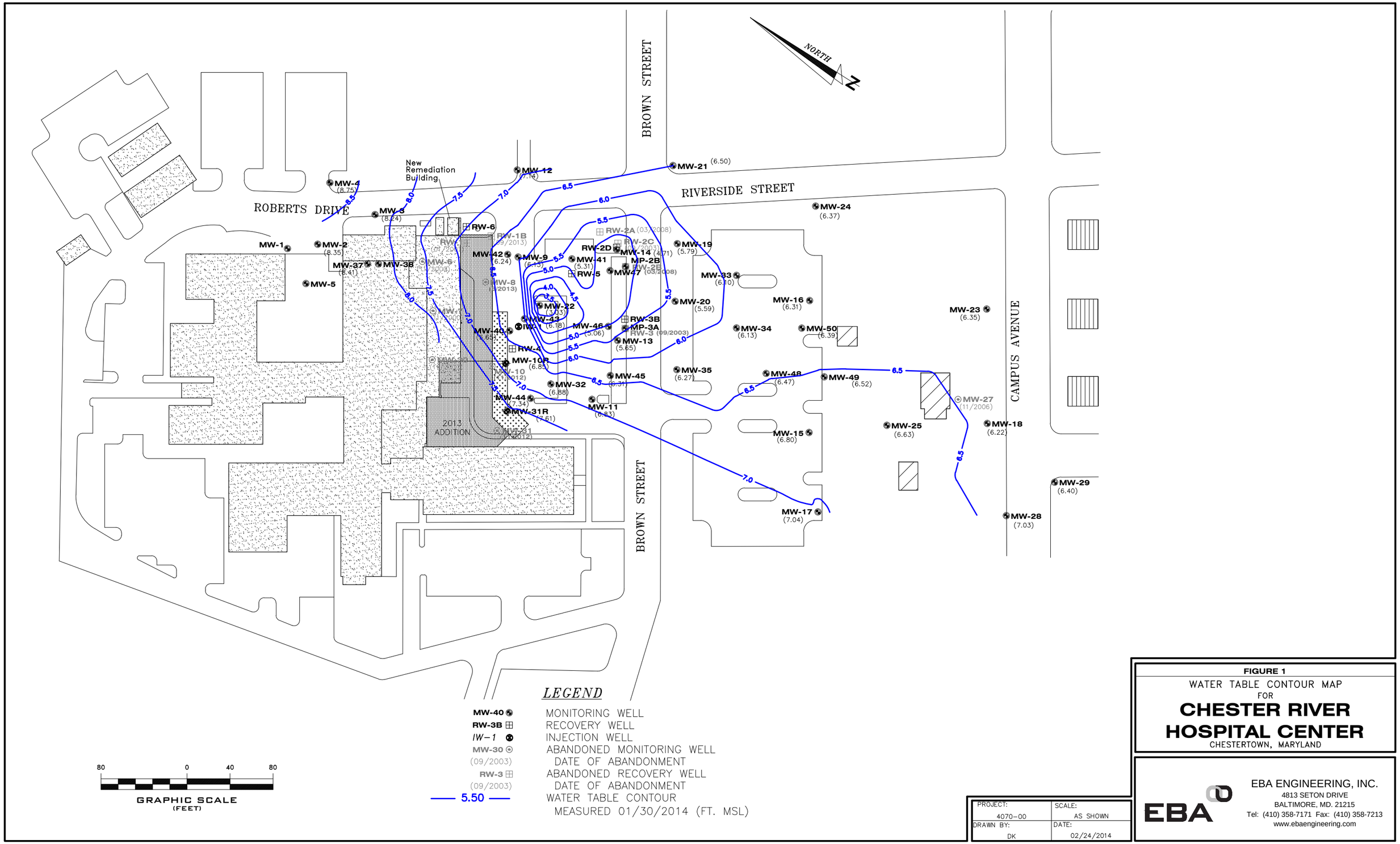


FIGURE 1

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

PROJECT: 4070-00	SCALE: AS SHOWN
DRAWN BY: DK	DATE: 02/24/2014

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\2781-MARCH.dwg

Figure 1 – Water table contour map February 24, 2014 – Chester River Hospital Center, Chestertown, Maryland.

FIGURE 2

Water Quality Maps of TPH-DRO – January, February, March

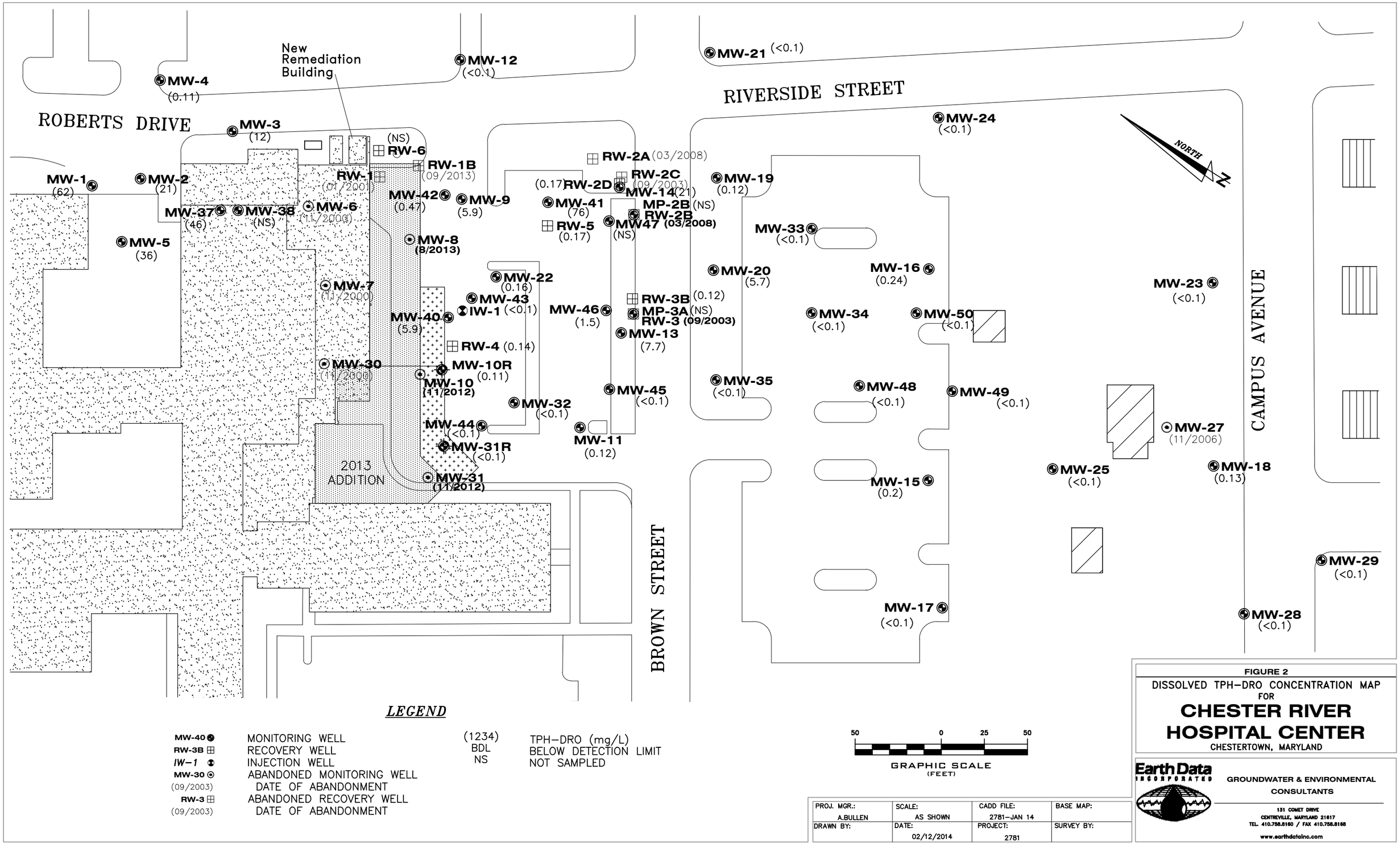


Figure 2– Site map showing total petroleum hydrocarbon (TPH) concentrations, January 30, 2014 Chester River Hospital Center, Chestertown, Maryland.

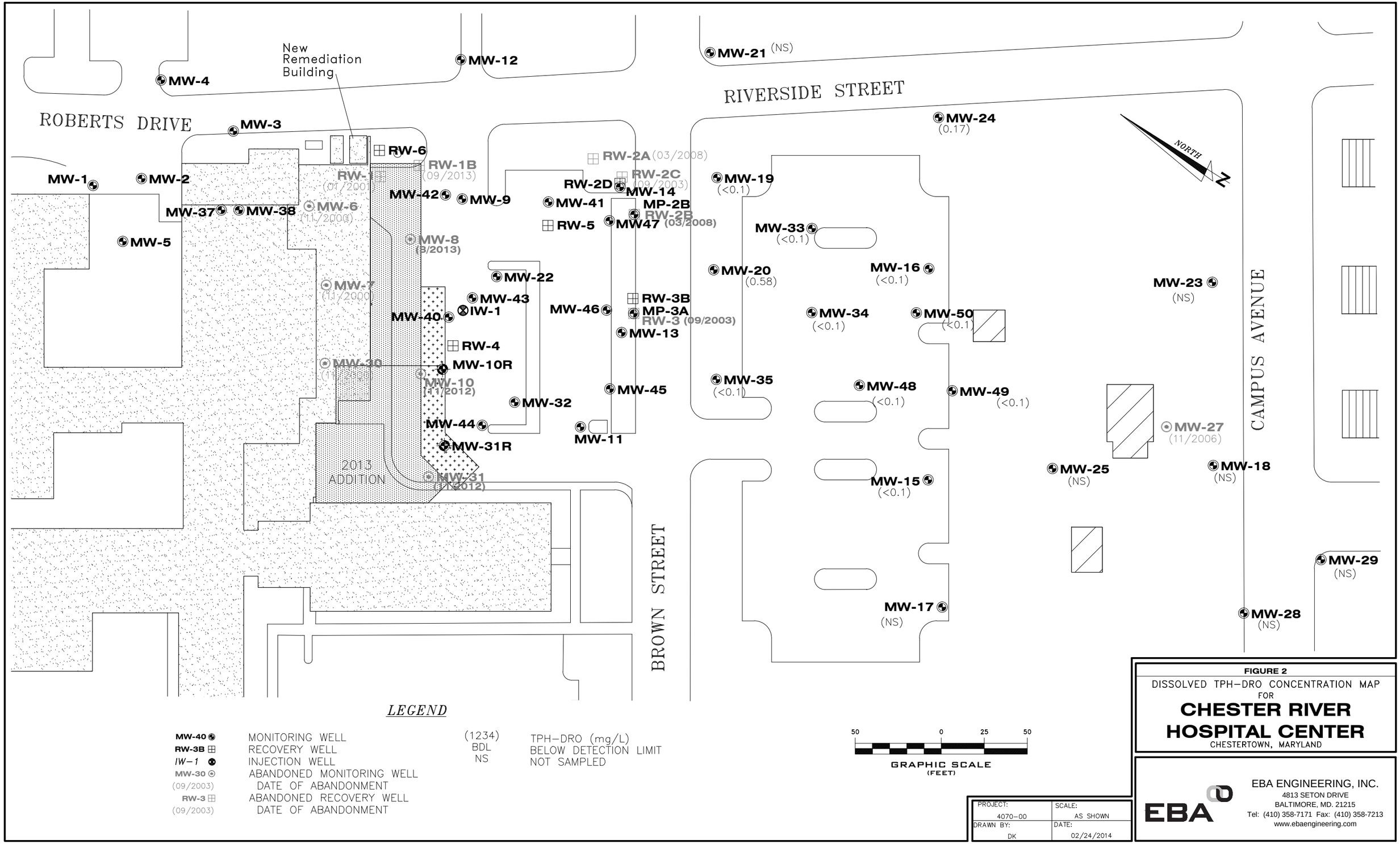


Figure 2- Site map showing total petroleum hydrocarbon (TPH) concentrations, February 24, 2014 Chester River Hospital Center, Chestertown, Maryland.

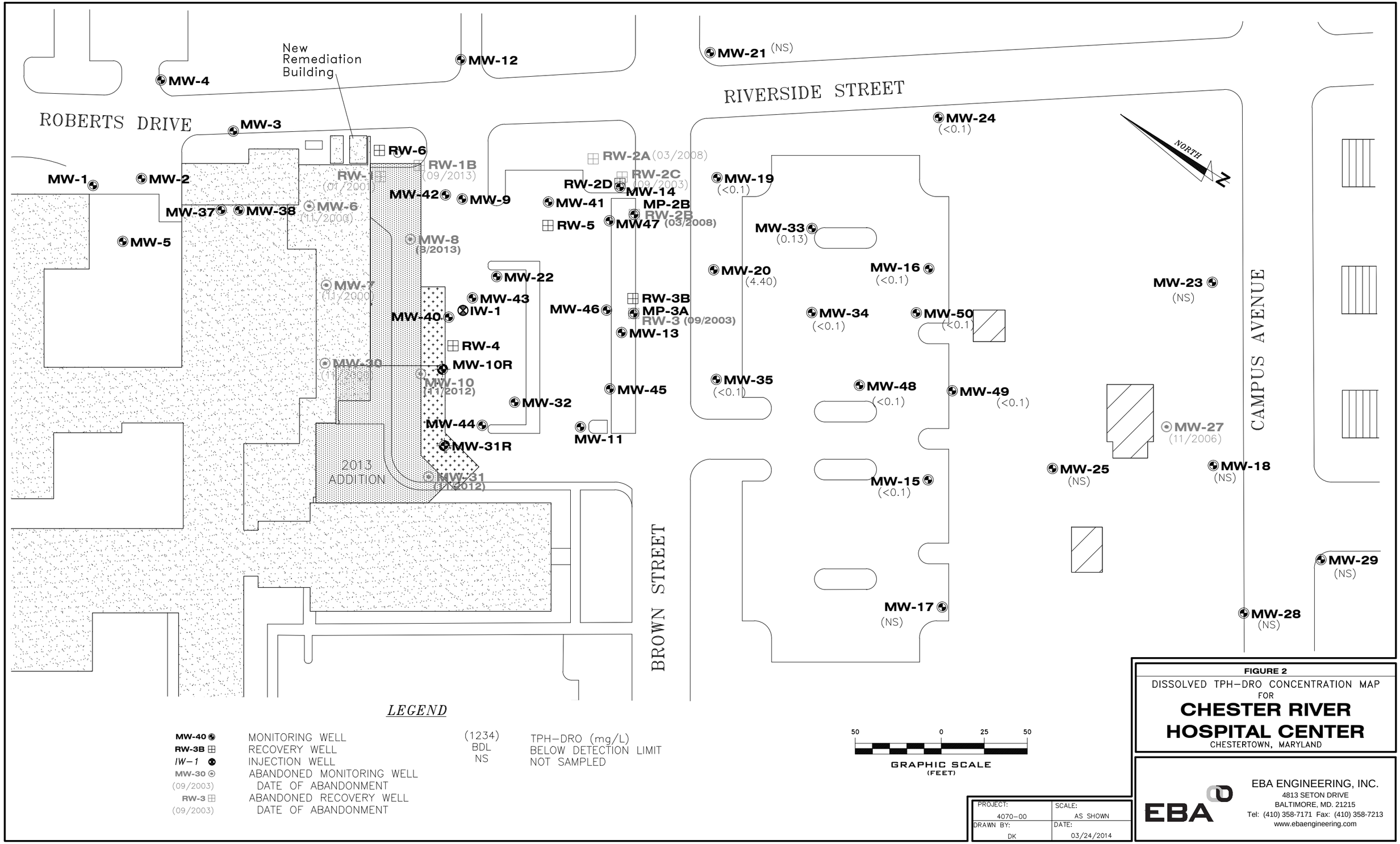
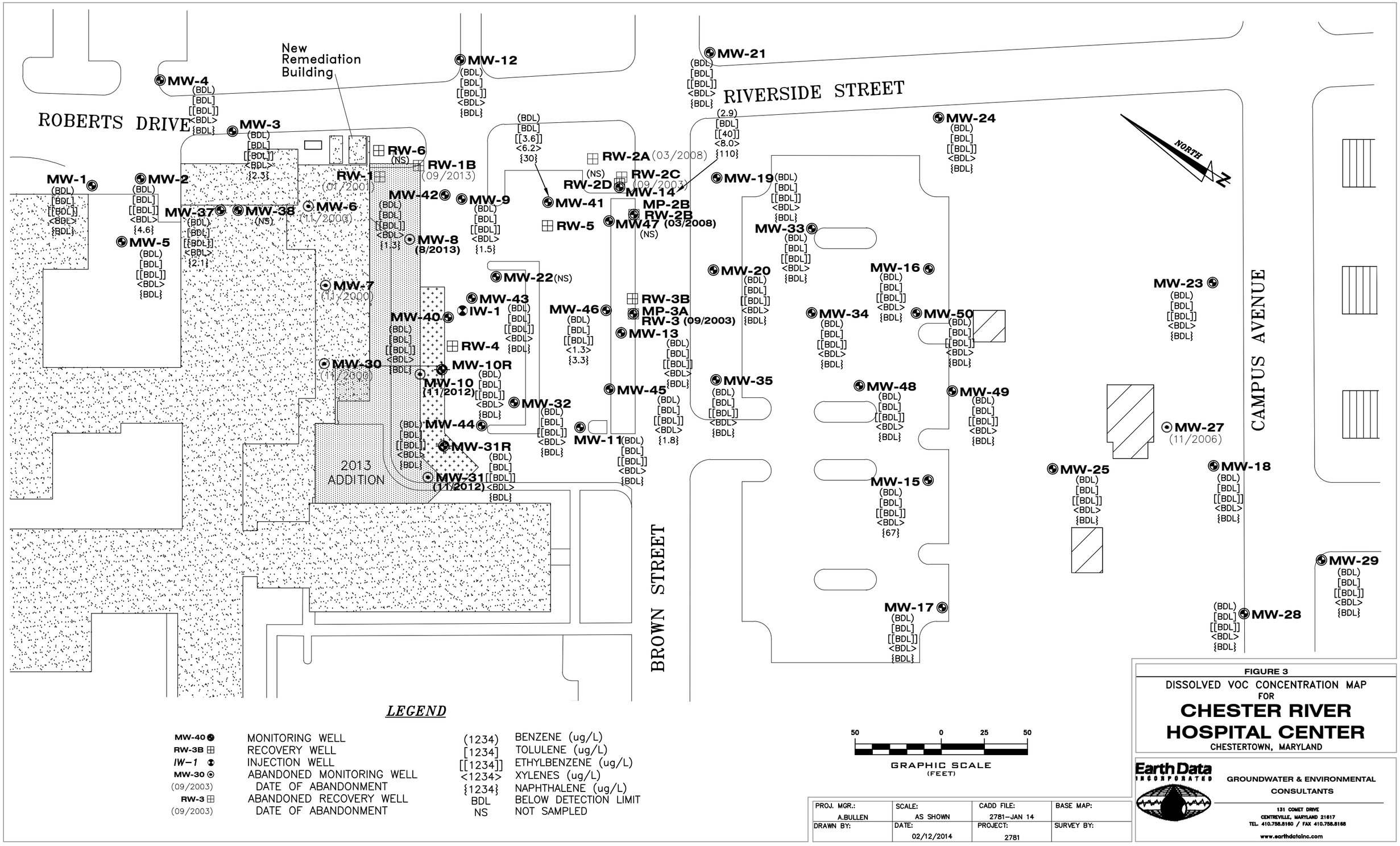


Figure 2- Site map showing total petroleum hydrocarbon (TPH) concentrations, March 24, 2014 Chester River Hospital Center, Chestertown, Maryland.

FIGURE 3

Water Quality Map of BTEX and Naphthalene – January



X:\DAN-WORK FOR OTHERS\JAMES\4070-00-00\2781-JAN 2014\2781-JAN 14.dwg

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

50 0 25 50

GRAPHIC SCALE (FEET)

PROJ. MGR.:	SCALE:	CADD FILE:	BASE MAP:
A.BULLEN	AS SHOWN	2781-JAN 14	
DRAWN BY:	DATE:	PROJECT:	SURVEY BY:
	02/12/2014	2781	

FIGURE 3

DISSOLVED VOC CONCENTRATION MAP FOR

CHESTER RIVER HOSPITAL CENTER

CHESTERTOWN, MARYLAND

Earth Data INCORPORATED

GROUNDWATER & ENVIRONMENTAL CONSULTANTS

131 COMET DRIVE
CENTREVILLE, MARYLAND 21617
TEL. 410.758.8160 / FAX 410.758.8168

www.earthdatainc.com

Figure 3– Site map showing volatile organic compounds (VOC) concentrations, January 30, 2014 Chester River Hospital Center, Chestertown, Maryland.

APPENDIX A

LABORATORY RESULTS

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14013112

Project Manager: Andrew Bullen
Project Name : CRHC
Project Location: Chestertown, MD
Project ID : 2781

February 7, 2014

Phase Separation Science, Inc.
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Baltimore, MD 21228
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PHASE SEPARATION SCIENCE, INC.

February 7, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14013112**
Project Name: CRHC
Project Location: Chestertown, MD
Project ID.: 2781

Dear Andrew Bullen :

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 **14013112**.

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 March 7, 2014. 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: Earth Data, Inc
Project Name: CRHC

Work Order Number(s): 14013112

Project ID: 2781

The following samples were received under chain of custody by Phase Separation Science (PSS) on 01/31/2014 at 02:10 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14013112-001	MW-1	GROUND WATER	01/30/14 09:35
14013112-002	MW-2	GROUND WATER	01/30/14 10:00
14013112-003	MW-3	GROUND WATER	01/30/14 11:05
14013112-004	MW-4	GROUND WATER	01/30/14 10:20
14013112-005	MW-5	GROUND WATER	01/30/14 11:15
14013112-006	MW-9	GROUND WATER	01/30/14 15:40
14013112-007	MW-10R	GROUND WATER	01/30/14 17:20
14013112-008	MW-11	GROUND WATER	01/30/14 12:41
14013112-009	MW-13	GROUND WATER	01/30/14 13:33
14013112-010	MW-14	GROUND WATER	01/30/14 15:50
14013112-011	MW-15	GROUND WATER	01/30/14 14:55
14013112-012	MW-16	GROUND WATER	01/30/14 13:50
14013112-013	MW-18	GROUND WATER	01/30/14 12:30
14013112-014	MW-19	GROUND WATER	01/30/14 15:40
14013112-015	MW-20	GROUND WATER	01/30/14 15:30
14013112-016	MW-23	GROUND WATER	01/30/14 12:15
14013112-017	MW-24	GROUND WATER	01/30/14 13:35
14013112-018	MW-25	GROUND WATER	01/30/14 12:45
14013112-019	MW-28	GROUND WATER	01/30/14 13:05
14013112-020	MW-29	GROUND WATER	01/30/14 13:20
14013112-021	MW-31R	GROUND WATER	01/30/14 16:33
14013112-022	MW-32	GROUND WATER	01/30/14 13:07
14013112-023	MW-33	GROUND WATER	01/30/14 14:05
14013112-024	MW-34	GROUND WATER	01/30/14 14:15
14013112-025	MW-35	GROUND WATER	01/30/14 15:10
14013112-026	MW-37	GROUND WATER	01/30/14 11:30

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)].

Sample Summary

Client Name: Earth Data, Inc
Project Name: CRHC

Work Order Number(s): 14013112

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** 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
LDBA MWAA LD1997-0041-2015

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-1 **Date/Time Sampled: 01/30/2014 09:35** **PSS Sample ID: 14013112-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**62**	mg/L	10		100	02/03/14	02/04/14 09:47	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-1 **Date/Time Sampled: 01/30/2014 09:35** **PSS Sample ID: 14013112-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Acetone	**32**	ug/L	10		1	02/05/14	02/05/14 16:37	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 16:37	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 16:37	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-1 **Date/Time Sampled: 01/30/2014 09:35** **PSS Sample ID: 14013112-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 16:37	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 16:37	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 16:37	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 16:37	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-2 **Date/Time Sampled: 01/30/2014 10:00** **PSS Sample ID: 14013112-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**21**	mg/L	2.0		20	02/03/14	02/04/14 10:08	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-2 **Date/Time Sampled: 01/30/2014 10:00** **PSS Sample ID: 14013112-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Acetone	**56**	ug/L	10		1	02/05/14	02/05/14 17:06	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 17:06	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 17:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-2 **Date/Time Sampled: 01/30/2014 10:00** **PSS Sample ID: 14013112-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 17:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 17:06	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Isopropylbenzene	**1.0**	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 17:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
Naphthalene	**4.6**	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-3 **Date/Time Sampled: 01/30/2014 11:05** **PSS Sample ID: 14013112-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**12**	mg/L	2.0		20	02/03/14	02/04/14 10:30	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-3 **Date/Time Sampled: 01/30/2014 11:05** **PSS Sample ID: 14013112-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Acetone	**24**	ug/L	10		1	02/05/14	02/05/14 17:36	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 17:36	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Chloroform	**2.4**	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
Bromodichloromethane	**1.1**	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 17:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-3 **Date/Time Sampled: 01/30/2014 11:05** **PSS Sample ID: 14013112-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 17:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 17:36	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 17:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
Naphthalene	**2.3**	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 17:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-4 **Date/Time Sampled: 01/30/2014 10:20** **PSS Sample ID: 14013112-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.11**	mg/L	0.10		1	02/03/14	02/03/14 18:01	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-4 **Date/Time Sampled: 01/30/2014 10:20** **PSS Sample ID: 14013112-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Acetone	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 18:06	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 18:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-4 **Date/Time Sampled: 01/30/2014 10:20** **PSS Sample ID: 14013112-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 18:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 18:06	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 18:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-5 **Date/Time Sampled: 01/30/2014 11:15** **PSS Sample ID: 14013112-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**36**	mg/L	2.0		20	02/03/14	02/04/14 10:52	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-5 **Date/Time Sampled: 01/30/2014 11:15** **PSS Sample ID: 14013112-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Acetone	**12**	ug/L	10		1	02/05/14	02/05/14 18:35	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 18:35	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 18:35	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-5 **Date/Time Sampled: 01/30/2014 11:15** **PSS Sample ID: 14013112-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 18:35	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 18:35	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 18:35	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 18:35	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-9 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**5.9**	mg/L	0.10		1	02/03/14	02/03/14 18:22	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-9 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Acetone	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 19:04	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 19:04	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-9 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 19:04	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 19:04	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 19:04	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
Naphthalene	**1.5**	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:04	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-10R **Date/Time Sampled: 01/30/2014 17:20** **PSS Sample ID: 14013112-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.11**	mg/L	0.10		1	02/03/14	02/03/14 18:44	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-10R **Date/Time Sampled: 01/30/2014 17:20** **PSS Sample ID: 14013112-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Acetone	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 19:34	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 19:34	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-10R **Date/Time Sampled: 01/30/2014 17:20** **PSS Sample ID: 14013112-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 19:34	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 19:34	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 19:34	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 19:34	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-11 **Date/Time Sampled: 01/30/2014 12:41** **PSS Sample ID: 14013112-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.12**	mg/L	0.10		1	02/03/14	02/03/14 18:44	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-11 **Date/Time Sampled: 01/30/2014 12:41** **PSS Sample ID: 14013112-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Acetone	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 20:04	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 20:04	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-11 **Date/Time Sampled: 01/30/2014 12:41** **PSS Sample ID: 14013112-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 20:04	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 20:04	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 20:04	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:04	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-13 **Date/Time Sampled: 01/30/2014 13:33** **PSS Sample ID: 14013112-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**7.7**	mg/L	0.10		1	02/03/14	02/03/14 19:06	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-13 **Date/Time Sampled: 01/30/2014 13:33** **PSS Sample ID: 14013112-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Acetone	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/05/14 20:33	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/05/14 20:33	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-13 **Date/Time Sampled: 01/30/2014 13:33** **PSS Sample ID: 14013112-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/05/14 20:33	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/05/14 20:33	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/05/14 20:33	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/05/14 20:33	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-14 **Date/Time Sampled: 01/30/2014 15:50** **PSS Sample ID: 14013112-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**21**	mg/L	2.0		20	02/03/14	02/04/14 11:14	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-14 **Date/Time Sampled: 01/30/2014 15:50** **PSS Sample ID: 14013112-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 04:24	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Benzene	**2.9**	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 04:24	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-14 **Date/Time Sampled: 01/30/2014 15:50** **PSS Sample ID: 14013112-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 04:24	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Ethylbenzene	**40**	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
m,p-Xylenes	**8.0**	ug/L	2.0		1	02/05/14	02/06/14 04:24	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Isopropylbenzene	**15**	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 04:24	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
Naphthalene	**110**	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:24	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-15 **Date/Time Sampled: 01/30/2014 14:55** **PSS Sample ID: 14013112-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.20**	mg/L	0.10		1	02/03/14	02/03/14 19:28	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-15 **Date/Time Sampled: 01/30/2014 14:55** **PSS Sample ID: 14013112-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 04:54	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 04:54	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-15 **Date/Time Sampled: 01/30/2014 14:55** **PSS Sample ID: 14013112-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 04:54	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 04:54	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 04:54	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
Naphthalene	**67**	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 04:54	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-16 **Date/Time Sampled: 01/30/2014 13:50** **PSS Sample ID: 14013112-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.24**	mg/L	0.10		1	02/03/14	02/03/14 19:28	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-16 **Date/Time Sampled: 01/30/2014 13:50** **PSS Sample ID: 14013112-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 16:29	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 16:29	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-16 **Date/Time Sampled: 01/30/2014 13:50** **PSS Sample ID: 14013112-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 16:29	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 16:29	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 16:29	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:29	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-18 **Date/Time Sampled: 01/30/2014 12:30** **PSS Sample ID: 14013112-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.13**	mg/L	0.10		1	02/03/14	02/03/14 19:50	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-18 **Date/Time Sampled: 01/30/2014 12:30** **PSS Sample ID: 14013112-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 16:58	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 16:58	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-18 **Date/Time Sampled: 01/30/2014 12:30** **PSS Sample ID: 14013112-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 16:58	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 16:58	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 16:58	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 16:58	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-19 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.12**	mg/L	0.10		1	02/03/14	02/03/14 19:50	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-19 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 17:27	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Chloroform	**1.2**	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 17:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-19 **Date/Time Sampled: 01/30/2014 15:40** **PSS Sample ID: 14013112-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 17:27	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 17:27	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 17:27	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-20 **Date/Time Sampled: 01/30/2014 15:30** **PSS Sample ID: 14013112-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**5.7**	mg/L	0.10		1	02/03/14	02/03/14 20:11	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-20 **Date/Time Sampled: 01/30/2014 15:30** **PSS Sample ID: 14013112-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 17:57	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 17:57	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-20 **Date/Time Sampled: 01/30/2014 15:30** **PSS Sample ID: 14013112-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 17:57	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 17:57	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 17:57	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 17:57	1011

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-23 **Date/Time Sampled: 01/30/2014 12:15** **PSS Sample ID: 14013112-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 19:53	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-23 **Date/Time Sampled: 01/30/2014 12:15** **PSS Sample ID: 14013112-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 07:21	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 07:21	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-23 **Date/Time Sampled: 01/30/2014 12:15** **PSS Sample ID: 14013112-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 07:21	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 07:21	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 07:21	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:21	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-24 **Date/Time Sampled: 01/30/2014 13:35** **PSS Sample ID: 14013112-017**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 20:24	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-24 **Date/Time Sampled: 01/30/2014 13:35** **PSS Sample ID: 14013112-017**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 07:50	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Chloroform	**2.3**	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 07:50	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-24 **Date/Time Sampled: 01/30/2014 13:35** **PSS Sample ID: 14013112-017**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 07:50	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 07:50	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 07:50	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 07:50	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-25 **Date/Time Sampled: 01/30/2014 12:45** **PSS Sample ID: 14013112-018**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 20:24	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-25 **Date/Time Sampled: 01/30/2014 12:45** **PSS Sample ID: 14013112-018**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 08:19	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 08:19	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-25 **Date/Time Sampled: 01/30/2014 12:45** **PSS Sample ID: 14013112-018**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 08:19	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 08:19	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 08:19	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:19	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-28 **Date/Time Sampled: 01/30/2014 13:05** **PSS Sample ID: 14013112-019**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 20:55	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-28 **Date/Time Sampled: 01/30/2014 13:05** **PSS Sample ID: 14013112-019**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 08:49	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 08:49	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-28 **Date/Time Sampled: 01/30/2014 13:05** **PSS Sample ID: 14013112-019**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 08:49	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 08:49	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 08:49	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 08:49	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-29 **Date/Time Sampled: 01/30/2014 13:20** **PSS Sample ID: 14013112-020**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 20:55	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-29 **Date/Time Sampled: 01/30/2014 13:20** **PSS Sample ID: 14013112-020**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 09:18	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 09:18	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-29 **Date/Time Sampled: 01/30/2014 13:20** **PSS Sample ID: 14013112-020**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 09:18	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 09:18	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 09:18	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:18	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-31R **Date/Time Sampled: 01/30/2014 16:33** **PSS Sample ID: 14013112-021**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 21:26	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-31R **Date/Time Sampled: 01/30/2014 16:33** **PSS Sample ID: 14013112-021**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Chloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Bromomethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Chloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Acetone	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
Cyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/05/14	02/06/14 09:48	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Methylene Chloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Bromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Chloroform	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Benzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Methyl Acetate	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
Methylcyclohexane	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
Trichloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Carbon Disulfide	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/05/14	02/06/14 09:48	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-31R **Date/Time Sampled: 01/30/2014 16:33** **PSS Sample ID: 14013112-021**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Toluene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
2-Hexanone	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Bromoform	ND	ug/L	5.0		1	02/05/14	02/06/14 09:48	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Chlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Ethylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/05/14	02/06/14 09:48	1011
Styrene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
o-Xylene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/05/14	02/06/14 09:48	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
Naphthalene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/05/14	02/06/14 09:48	1011

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CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-32 **Date/Time Sampled: 01/30/2014 13:07** **PSS Sample ID: 14013112-022**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 21:26	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-32 **Date/Time Sampled: 01/30/2014 13:07** **PSS Sample ID: 14013112-022**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 18:27	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 18:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-32 **Date/Time Sampled: 01/30/2014 13:07** **PSS Sample ID: 14013112-022**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 18:27	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 18:27	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 18:27	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:27	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-33 **Date/Time Sampled: 01/30/2014 14:05** **PSS Sample ID: 14013112-023**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 21:57	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-33 **Date/Time Sampled: 01/30/2014 14:05** **PSS Sample ID: 14013112-023**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 18:56	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Chloroform	**1.8**	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 18:56	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-33 **Date/Time Sampled: 01/30/2014 14:05** **PSS Sample ID: 14013112-023**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 18:56	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 18:56	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 18:56	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 18:56	1011

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-34 **Date/Time Sampled: 01/30/2014 14:15** **PSS Sample ID: 14013112-024**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 21:57	1040

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CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-34 **Date/Time Sampled: 01/30/2014 14:15** **PSS Sample ID: 14013112-024**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 19:26	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 19:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-34 **Date/Time Sampled: 01/30/2014 14:15** **PSS Sample ID: 14013112-024**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 19:26	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 19:26	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 19:26	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:26	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-35 **Date/Time Sampled: 01/30/2014 15:10** **PSS Sample ID: 14013112-025**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/03/14	02/03/14 22:29	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-35 **Date/Time Sampled: 01/30/2014 15:10** **PSS Sample ID: 14013112-025**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 19:55	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-35 **Date/Time Sampled: 01/30/2014 15:10** **PSS Sample ID: 14013112-025**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 19:55	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 19:55	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 19:55	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 19:55	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-37 **Date/Time Sampled: 01/30/2014 11:30** **PSS Sample ID: 14013112-026**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**46**	mg/L	2.0		20	02/03/14	02/04/14 11:12	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-37 **Date/Time Sampled: 01/30/2014 11:30** **PSS Sample ID: 14013112-026**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 20:25	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 20:25	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013112

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-37 **Date/Time Sampled: 01/30/2014 11:30** **PSS Sample ID: 14013112-026**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 20:25	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 20:25	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 20:25	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
Naphthalene	**2.1**	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:25	1011

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: CRHC

Work Order Number(s): 14013112
Project ID: 2781

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.

Sample Receipt:

For COC pages 4 and 5 refer to 14013117.
Five coolers were received. All sample receipt conditions were acceptable. The temperatures observed were 4, 5, 6, 6, and 5 degrees C.

Analytical:

Total Petroleum Hydrocarbons - DRO

Batch: 111553
Surrogate recoveries affected by sample dilution.

Batch: 111602
Surrogate recoveries affected by sample dilution.

Sample Preparation:

Total Petroleum Hydrocarbons - DRO

Preparation Batch: 49059
'Matrix spike/ matrix spike duplicate analyses were not performed due to insufficient sample quantity.'

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): 14013112
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-1	Initial	14013112-001	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/04/2014 09:47
	MW-2	Initial	14013112-002	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/04/2014 10:08
	MW-3	Initial	14013112-003	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/04/2014 10:30
	MW-4	Initial	14013112-004	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 18:01
	MW-5	Initial	14013112-005	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/04/2014 10:52
	MW-9	Initial	14013112-006	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 18:22
	MW-10R	Initial	14013112-007	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 18:44
	MW-11	Initial	14013112-008	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 18:44
	MW-13	Initial	14013112-009	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 19:06
	MW-14	Initial	14013112-010	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/04/2014 11:14
	MW-15	Initial	14013112-011	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 19:28
	MW-16	Initial	14013112-012	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 19:28
	MW-18	Initial	14013112-013	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 19:50
	MW-19	Initial	14013112-014	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 19:50
	MW-20	Initial	14013112-015	1040	W	49059	111553	01/30/2014	02/03/2014 07:28	02/03/2014 20:11
	49059-1-BKS	BKS	49059-1-BKS	1040	W	49059	111553	--------	02/03/2014 07:28	02/03/2014 16:12
	49059-1-BLK	BLK	49059-1-BLK	1040	W	49059	111553	--------	02/03/2014 07:28	02/03/2014 16:55
	49059-1-BSD	BSD	49059-1-BSD	1040	W	49059	111553	--------	02/03/2014 07:28	02/03/2014 16:34
	MW-23	Initial	14013112-016	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 19:53
	MW-24	Initial	14013112-017	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 20:24
	MW-25	Initial	14013112-018	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 20:24
	MW-28	Initial	14013112-019	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 20:55
	MW-29	Initial	14013112-020	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 20:55
	MW-31R	Initial	14013112-021	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 21:26
	MW-32	Initial	14013112-022	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 21:26
	MW-33	Initial	14013112-023	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 21:57
	MW-34	Initial	14013112-024	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 21:57
	MW-35	Initial	14013112-025	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/03/2014 22:29
	MW-37	Initial	14013112-026	1040	W	49064	111602	01/30/2014	02/03/2014 11:07	02/04/2014 11:12

Analytical Data Package Information Summary

Work Order(s): 14013112
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	49064-1-BKS	BKS	49064-1-BKS	1040	W	49064	111602	--------	02/03/2014 11:07	02/03/2014 16:46
	49064-1-BLK	BLK	49064-1-BLK	1040	W	49064	111602	--------	02/03/2014 11:07	02/03/2014 17:48
	49064-1-BSD	BSD	49064-1-BSD	1040	W	49064	111602	--------	02/03/2014 11:07	02/03/2014 17:17
SW-846 8260 B	MW-1	Initial	14013112-001	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 16:37
	MW-2	Initial	14013112-002	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 17:06
	MW-3	Initial	14013112-003	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 17:36
	MW-4	Initial	14013112-004	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 18:06
	MW-5	Initial	14013112-005	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 18:35
	MW-9	Initial	14013112-006	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 19:04
	MW-10R	Initial	14013112-007	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 19:34
	MW-11	Initial	14013112-008	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 20:04
	MW-13	Initial	14013112-009	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 20:33
	49108-1-BKS	BKS	49108-1-BKS	1011	W	49108	111617	--------	02/05/2014 13:00	02/05/2014 12:09
	49108-1-BLK	BLK	49108-1-BLK	1011	W	49108	111617	--------	02/05/2014 13:00	02/05/2014 15:06
	MW-1 S	MS	14013112-001 S	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 21:32
	MW-1 SD	MSD	14013112-001 SD	1011	W	49108	111617	01/30/2014	02/05/2014 13:00	02/05/2014 22:02
	MW-14	Initial	14013112-010	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 04:24
	MW-15	Initial	14013112-011	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 04:54
	MW-23	Initial	14013112-016	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 07:21
	MW-24	Initial	14013112-017	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 07:50
	MW-25	Initial	14013112-018	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 08:19
	MW-28	Initial	14013112-019	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 08:49
	MW-29	Initial	14013112-020	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 09:18
	MW-31R	Initial	14013112-021	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 09:48
	49109-1-BKS	BKS	49109-1-BKS	1011	W	49109	111618	--------	02/05/2014 13:00	02/06/2014 00:58
	49109-1-BLK	BLK	49109-1-BLK	1011	W	49109	111618	--------	02/05/2014 13:00	02/06/2014 03:55
	MW-14 S	MS	14013112-010 S	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 10:17
	MW-14 SD	MSD	14013112-010 SD	1011	W	49109	111618	01/30/2014	02/05/2014 13:00	02/06/2014 10:46
	MW-16	Initial	14013112-012	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 16:29

Analytical Data Package Information Summary

Work Order(s): 14013112
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8260 B	MW-18	Initial	14013112-013	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 16:58
	MW-19	Initial	14013112-014	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 17:27
	MW-20	Initial	14013112-015	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 17:57
	MW-32	Initial	14013112-022	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 18:27
	MW-33	Initial	14013112-023	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 18:56
	MW-34	Initial	14013112-024	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 19:26
	MW-35	Initial	14013112-025	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 19:55
	MW-37	Initial	14013112-026	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 20:25
	49128-1-BKS	BKS	49128-1-BKS	1011	W	49128	111652	--------	02/06/2014 13:00	02/06/2014 13:03
	49128-1-BLK	BLK	49128-1-BLK	1011	W	49128	111652	--------	02/06/2014 13:00	02/06/2014 15:59
	MW-16 S	MS	14013112-012 S	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 22:52
	MW-16 SD	MSD	14013112-012 SD	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 23:22

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111553 **Sample:** 49059-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 16:12

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.920	1.00	92	37-136	

Lab Batch #: 111553 **Sample:** 49059-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 16:34

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.914	1.00	91	37-136	

Lab Batch #: 111553 **Sample:** 49059-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 16:55

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.945	1.00	95	37-136	

Lab Batch #: 111553 **Sample:** 14013112-004 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 18:01

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.940	1.00	94	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111553 **Sample:** 14013112-006 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 18:22

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.30	1.00	126	37-136	

Lab Batch #: 111553 **Sample:** 14013112-007 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 18:44

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	104	37-136	

Lab Batch #: 111553 **Sample:** 14013112-008 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 18:44

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.30	1.00	125	37-136	

Lab Batch #: 111553 **Sample:** 14013112-009 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:06

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	106	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111553 **Sample:** 14013112-011 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:28

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.990	1.00	99	37-136	

Lab Batch #: 111553 **Sample:** 14013112-012 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:28

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.940	1.00	94	37-136	

Lab Batch #: 111553 **Sample:** 14013112-013 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:50

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.960	1.00	96	37-136	

Lab Batch #: 111553 **Sample:** 14013112-014 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:50

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.20	1.00	123	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111553 **Sample:** 14013112-015 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 20:11

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	108	37-136	

Lab Batch #: 111553 **Sample:** 14013112-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 09:47

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.490	1.00	49	37-136	

Lab Batch #: 111553 **Sample:** 14013112-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 10:08

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.30	1.00	126	37-136	

Lab Batch #: 111553 **Sample:** 14013112-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 10:30

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.30	1.00	125	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111553 **Sample:** 14013112-005 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 10:52

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.90	1.00	194	37-136	*

Lab Batch #: 111553 **Sample:** 14013112-010 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 11:14

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	114	37-136	

Lab Batch #: 111602 **Sample:** 49064-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 16:46

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.833	1.00	83	37-136	

Lab Batch #: 111602 **Sample:** 49064-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 17:17

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.851	1.00	85	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111602 **Sample:** 49064-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/03/2014 17:48

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.882	1.00	88	37-136	

Lab Batch #: 111602 **Sample:** 14013112-016 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 19:53

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.900	1.00	90	37-136	

Lab Batch #: 111602 **Sample:** 14013112-017 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 20:24

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.920	1.00	92	37-136	

Lab Batch #: 111602 **Sample:** 14013112-018 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 20:24

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.900	1.00	90	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111602 **Sample:** 14013112-019 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 20:55

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.910	1.00	91	37-136	

Lab Batch #: 111602 **Sample:** 14013112-020 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 20:55

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.950	1.00	95	37-136	

Lab Batch #: 111602 **Sample:** 14013112-021 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 21:26

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.980	1.00	98	37-136	

Lab Batch #: 111602 **Sample:** 14013112-022 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 21:26

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	102	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111602 **Sample:** 14013112-023 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 21:57

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	114	37-136	

Lab Batch #: 111602 **Sample:** 14013112-024 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 21:57

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.840	1.00	84	37-136	

Lab Batch #: 111602 **Sample:** 14013112-025 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/03/2014 22:29

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.890	1.00	89	37-136	

Lab Batch #: 111602 **Sample:** 14013112-026 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 11:12

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.40	1.00	137	37-136	*

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111617 **Sample:** 49108-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/05/2014 12:09

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.1	50.00	100	83-108	
Toluene-D8	51.2	50.00	102	91-105	
4-Bromofluorobenzene	47.5	50.00	95	83-118	

Lab Batch #: 111617 **Sample:** 49108-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/05/2014 15:06

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.4	50.00	99	83-108	
Toluene-D8	50.5	50.00	101	91-105	
4-Bromofluorobenzene	59.3	50.00	119	83-118	*

Lab Batch #: 111617 **Sample:** 14013112-001 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 16:37

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	54.0	50.00	107	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111617 **Sample:** 14013112-002 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 17:06

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	52.0	50.00	105	83-118	

Lab Batch #: 111617 **Sample:** 14013112-003 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 17:36

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111617 **Sample:** 14013112-004 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 18:06

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	54.0	50.00	108	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111617 **Sample:** 14013112-005 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 18:35

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	51.0	50.00	101	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

Lab Batch #: 111617 **Sample:** 14013112-006 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 19:04

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	52.0	50.00	104	83-118	

Lab Batch #: 111617 **Sample:** 14013112-007 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 19:34

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	49.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111617 **Sample:** 14013112-008 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 20:04

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	52.0	50.00	105	83-118	

Lab Batch #: 111617 **Sample:** 14013112-009 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 20:33

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	51.0	50.00	101	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

Lab Batch #: 111617 **Sample:** 14013112-001 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 21:32

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.4	50.00	101	83-108	
Toluene-D8	50.2	50.00	100	91-105	
4-Bromofluorobenzene	51.6	50.00	103	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111617 **Sample:** 14013112-001 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/05/2014 22:02

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.3	50.00	101	83-108	
Toluene-D8	49.9	50.00	100	91-105	
4-Bromofluorobenzene	51.6	50.00	103	83-118	

Lab Batch #: 111618 **Sample:** 49109-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 00:58

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.9	50.00	102	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	51.1	50.00	102	83-118	

Lab Batch #: 111618 **Sample:** 49109-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 03:55

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.5	50.00	99	83-108	
Toluene-D8	49.8	50.00	100	91-105	
4-Bromofluorobenzene	56.3	50.00	113	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111618 **Sample:** 14013112-010 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 04:24

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	49.0	50.00	98	83-118	

Lab Batch #: 111618 **Sample:** 14013112-011 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 04:54

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	49.0	50.00	98	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

Lab Batch #: 111618 **Sample:** 14013112-016 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 07:21

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	49.0	50.00	99	91-105	
4-Bromofluorobenzene	54.0	50.00	108	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111618 **Sample:** 14013112-017 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 07:50

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111618 **Sample:** 14013112-018 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 08:19

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	48.0	50.00	96	83-108	
Toluene-D8	49.0	50.00	98	91-105	
4-Bromofluorobenzene	53.0	50.00	107	83-118	

Lab Batch #: 111618 **Sample:** 14013112-019 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 08:49

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111618 **Sample:** 14013112-020 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 09:18

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	49.0	50.00	99	91-105	
4-Bromofluorobenzene	52.0	50.00	104	83-118	

Lab Batch #: 111618 **Sample:** 14013112-021 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 09:48

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	107	83-118	

Lab Batch #: 111618 **Sample:** 14013112-010 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 10:17

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.4	50.00	101	83-108	
Toluene-D8	50.5	50.00	101	91-105	
4-Bromofluorobenzene	49.5	50.00	99	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111618 **Sample:** 14013112-010 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 10:46

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.7	50.00	101	83-108	
Toluene-D8	50.2	50.00	100	91-105	
4-Bromofluorobenzene	50.3	50.00	101	83-118	

Lab Batch #: 111652 **Sample:** 49128-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 13:03

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.2	50.00	100	83-108	
Toluene-D8	50.6	50.00	101	91-105	
4-Bromofluorobenzene	49.4	50.00	99	83-118	

Lab Batch #: 111652 **Sample:** 49128-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 15:59

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.2	50.00	100	83-108	
Toluene-D8	50.7	50.00	101	91-105	
4-Bromofluorobenzene	53.2	50.00	106	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013112-012 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 16:29

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	49.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

Lab Batch #: 111652 **Sample:** 14013112-013 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 16:58

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111652 **Sample:** 14013112-014 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 17:27

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.0	50.00	102	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	54.0	50.00	107	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013112-015 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 17:57

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	52.0	50.00	104	83-118	

Lab Batch #: 111652 **Sample:** 14013112-022 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 18:27

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	52.0	50.00	105	83-118	

Lab Batch #: 111652 **Sample:** 14013112-023 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 18:56

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	52.0	50.00	105	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013112-024 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 19:26

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	101	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

Lab Batch #: 111652 **Sample:** 14013112-025 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 19:55

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

Lab Batch #: 111652 **Sample:** 14013112-026 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 20:25

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013112 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013112-012 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 22:52

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.5	50.00	101	83-108	
Toluene-D8	50.5	50.00	101	91-105	
4-Bromofluorobenzene	50.2	50.00	100	83-118	

Lab Batch #: 111652 **Sample:** 14013112-012 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 23:22

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.9	50.00	100	83-108	
Toluene-D8	50.1	50.00	100	91-105	
4-Bromofluorobenzene	50.4	50.00	101	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C
Matrix: **WATER**

Sample Id: **49059-1-BLK** Lab Sample Id: **49059-1-BLK**
Date Analyzed: Feb-03-14 16:55 Analyst: 1040 Seq Number: 111553 Date Prep: Feb-03-14 07:28 Tech: 1028

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Sample Id: **49064-1-BLK** Lab Sample Id: **49064-1-BLK**
Date Analyzed: Feb-03-14 17:48 Analyst: 1040 Seq Number: 111602 Date Prep: Feb-03-14 11:07 Tech: 1022

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49108-1-BLK** Lab Sample Id: **49108-1-BLK**

Date Analyzed: Feb-05-14 15:06 Analyst: 1011 Date Prep: Feb-05-14 13:00 Tech: 1011
Seq Number: 111617

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49108-1-BLK** Lab Sample Id: **49108-1-BLK**

Date Analyzed: Feb-05-14 15:06 Analyst: 1011 Date Prep: Feb-05-14 13:00 Tech: 1011
Seq Number: 111617

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49109-1-BLK** Lab Sample Id: **49109-1-BLK**

Date Analyzed: Feb-06-14 03:55 Analyst: 1011 Date Prep: Feb-05-14 13:00 Tech: 1011
Seq Number: 111618

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49109-1-BLK** Lab Sample Id: **49109-1-BLK**

Date Analyzed: Feb-06-14 03:55 Analyst: 1011 Date Prep: Feb-05-14 13:00 Tech: 1011
Seq Number: 111618

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49128-1-BLK** Lab Sample Id: **49128-1-BLK**

Date Analyzed: Feb-06-14 15:59 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111652

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14013112

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49128-1-BLK** Lab Sample Id: **49128-1-BLK**

Date Analyzed: Feb-06-14 15:59 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111652

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49108 **Date Prepared:** 02/05/2014 13:00 **Sample ID:** 49108-1-BKS **Matrix:** Water

Lab Batch ID: 111617 **Date Analyzed:** 02/05/2014 15:06 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	56.26	113	36-152		17-172
Chloromethane	<1.000	50.00	49.98	100	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	54.38	109	52-132		39-145
Vinyl Chloride	<1.000	50.00	52.38	105	66-130		56-140
Bromomethane	<1.000	50.00	53.72	107	61-135		49-147
Chloroethane	<1.000	50.00	51.01	102	65-132		54-143
Acetone	<10.00	50.00	38.22	76	38-156		18-176
Cyclohexane	<10.00	50.00	59.53	119	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	51.40	103	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	50.76	102	58-123		47-134
Methylene Chloride	<1.000	50.00	49.10	98	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	54.31	109	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	50.80	102	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	55.25	111	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	44.40	89	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	56.19	112	78-127		70-135
Bromochloromethane	<1.000	50.00	54.82	110	71-141		59-152
Chloroform	<1.000	50.00	54.97	110	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	56.16	112	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	55.92	112	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	54.16	108	55-155		38-172
Benzene	<1.000	50.00	56.60	113	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	56.50	113	80-127		72-135
Methyl Acetate	<10.00	50.00	46.16	92	61-134		49-146
Methylcyclohexane	<10.00	50.00	58.43	117	67-138		56-149
Trichloroethene	<1.000	50.00	53.14	106	77-127		69-135
Carbon Disulfide	<10.00	50.00	56.38	113	64-135		52-147
Bromodichloromethane	<1.000	50.00	58.17	116	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	57.65	115	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	42.72	85	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	49.82	100	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	56.73	113	86-123		79-129
Toluene	<1.000	50.00	56.60	113	79-128		71-136
2-Hexanone	<10.00	50.00	40.90	82	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	57.23	114	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49108 **Date Prepared:** 02/05/2014 13:00 **Sample ID:** 49108-1-BKS **Matrix:** Water

Lab Batch ID: 111617 **Date Analyzed:** 02/05/2014 15:06 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	49.06	98	65-136		53-148
Bromoform	<5.000	50.00	51.20	102	70-127		60-136
Tetrachloroethene	<1.000	50.00	56.83	114	62-152		47-167
Chlorobenzene	<1.000	50.00	54.36	109	82-127		75-134
Ethylbenzene	<1.000	50.00	57.44	115	83-128		75-136
m,p-Xylenes	<2.000	100	107.1	107	84-129		77-136
Styrene	<1.000	50.00	53.75	108	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	51.96	104	86-125		80-131
o-Xylene	<1.000	50.00	54.34	109	85-129		78-136
Isopropylbenzene	<1.000	50.00	55.82	112	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	55.58	111	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	54.09	108	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	55.68	111	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	44.49	89	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	54.87	110	75-151		62-163
Naphthalene	<1.000	50.00	47.18	94	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	53.24	106	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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

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L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49109 **Date Prepared:** 02/05/2014 13:00 **Sample ID:** 49109-1-BKS **Matrix:** Water

Lab Batch ID: 111618 **Date Analyzed:** 02/06/2014 03:55 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	51.58	103	36-152		17-172
Chloromethane	<1.000	50.00	46.67	93	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	52.53	105	52-132		39-145
Vinyl Chloride	<1.000	50.00	47.64	95	66-130		56-140
Bromomethane	<1.000	50.00	49.18	98	61-135		49-147
Chloroethane	<1.000	50.00	45.92	92	65-132		54-143
Acetone	<10.00	50.00	50.16	100	38-156		18-176
Cyclohexane	<10.00	50.00	56.64	113	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	48.67	97	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	47.10	94	58-123		47-134
Methylene Chloride	<1.000	50.00	44.82	90	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	50.48	101	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	47.21	94	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	51.07	102	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	51.53	103	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	52.86	106	78-127		70-135
Bromochloromethane	<1.000	50.00	51.86	104	71-141		59-152
Chloroform	<1.000	50.00	51.96	104	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	53.81	108	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	51.78	104	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	51.95	104	55-155		38-172
Benzene	<1.000	50.00	53.46	107	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	52.57	105	80-127		72-135
Methyl Acetate	<10.00	50.00	42.28	85	61-134		49-146
Methylcyclohexane	<10.00	50.00	55.46	111	67-138		56-149
Trichloroethene	<1.000	50.00	52.33	105	77-127		69-135
Carbon Disulfide	<10.00	50.00	51.18	102	64-135		52-147
Bromodichloromethane	<1.000	50.00	53.51	107	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	51.18	102	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	49.17	98	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	43.12	86	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	51.82	104	86-123		79-129
Toluene	<1.000	50.00	52.46	105	79-128		71-136
2-Hexanone	<10.00	50.00	44.63	89	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	51.62	103	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49109 **Date Prepared:** 02/05/2014 13:00 **Sample ID:** 49109-1-BKS **Matrix:** Water

Lab Batch ID: 111618 **Date Analyzed:** 02/06/2014 03:55 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	45.26	91	65-136		53-148
Bromoform	<5.000	50.00	46.17	92	70-127		60-136
Tetrachloroethene	<1.000	50.00	52.16	104	62-152		47-167
Chlorobenzene	<1.000	50.00	51.83	104	82-127		75-134
Ethylbenzene	<1.000	50.00	53.11	106	83-128		75-136
m,p-Xylenes	<2.000	100	101.5	102	84-129		77-136
Styrene	<1.000	50.00	49.86	100	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	49.85	100	86-125		80-131
o-Xylene	<1.000	50.00	51.05	102	85-129		78-136
Isopropylbenzene	<1.000	50.00	56.98	114	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	55.82	112	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	53.04	106	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	53.35	107	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	41.51	83	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	57.94	116	75-151		62-163
Naphthalene	<1.000	50.00	52.59	105	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	56.07	112	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49128 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49128-1-BKS **Matrix:** Water

Lab Batch ID: 111652 **Date Analyzed:** 02/06/2014 15:59 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	51.87	104	36-152		17-172
Chloromethane	<1.000	50.00	45.01	90	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	55.60	111	52-132		39-145
Vinyl Chloride	<1.000	50.00	48.41	97	66-130		56-140
Bromomethane	<1.000	50.00	48.36	97	61-135		49-147
Chloroethane	<1.000	50.00	45.47	91	65-132		54-143
Acetone	<10.00	50.00	34.75	70	38-156		18-176
Cyclohexane	<10.00	50.00	52.96	106	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	51.29	103	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	49.46	99	58-123		47-134
Methylene Chloride	<1.000	50.00	45.79	92	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	51.73	103	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	48.89	98	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	50.84	102	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	40.29	81	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	51.85	104	78-127		70-135
Bromochloromethane	<1.000	50.00	51.72	103	71-141		59-152
Chloroform	<1.000	50.00	50.08	100	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	52.35	105	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	49.55	99	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	50.79	102	55-155		38-172
Benzene	<1.000	50.00	50.96	102	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	49.61	99	80-127		72-135
Methyl Acetate	<10.00	50.00	43.82	88	61-134		49-146
Methylcyclohexane	<10.00	50.00	54.22	108	67-138		56-149
Trichloroethene	<1.000	50.00	49.81	100	77-127		69-135
Carbon Disulfide	<10.00	50.00	53.07	106	64-135		52-147
Bromodichloromethane	<1.000	50.00	51.96	104	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	51.76	104	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	46.07	92	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	44.24	88	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	50.57	101	86-123		79-129
Toluene	<1.000	50.00	50.27	101	79-128		71-136
2-Hexanone	<10.00	50.00	39.67	79	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	50.31	101	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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

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F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49128 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49128-1-BKS **Matrix:** Water

Lab Batch ID: 111652 **Date Analyzed:** 02/06/2014 15:59 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	44.74	89	65-136		53-148
Bromoform	<5.000	50.00	45.48	91	70-127		60-136
Tetrachloroethene	<1.000	50.00	53.15	106	62-152		47-167
Chlorobenzene	<1.000	50.00	49.42	99	82-127		75-134
Ethylbenzene	<1.000	50.00	50.11	100	83-128		75-136
m,p-Xylenes	<2.000	100	96.16	96	84-129		77-136
Styrene	<1.000	50.00	47.60	95	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	47.44	95	86-125		80-131
o-Xylene	<1.000	50.00	48.85	98	85-129		78-136
Isopropylbenzene	<1.000	50.00	53.01	106	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	53.53	107	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	51.00	102	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	51.32	103	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	41.02	82	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	53.22	106	75-151		62-163
Naphthalene	<1.000	50.00	51.92	104	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	51.05	102	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: CRHC

Work Order #: 14013112 **Project ID:** 2781

Prep Batch #: 49059 **Date Prepared:** 02/03/2014 07:28 **Sample:** 49059-1-BKS **Analyst:** 1040

Lab Batch ID: 111553 **Date Analyzed:** 02/03/2014 16:12 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons - DRO Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	1.134	113	1.000	1.125	113	1	61-119	20	

Prep Batch #: 49064 **Date Prepared:** 02/03/2014 11:07 **Sample:** 49064-1-BKS **Analyst:** 1040

Lab Batch ID: 111602 **Date Analyzed:** 02/03/2014 16:46 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons - DRO Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	1.072	107	1.000	1.149	115	7	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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: EARTH DATA — OFFICE LOC. Centreville, MD
PROJECT MGR: A. Bullen — PHONE NO.: (410) 758-3160
EMAIL: abullen@earthdata.inc.com — FAX NO.: (410) 758-3168
PROJECT NAME: CRHC — PROJECT NO.: 2781
SITE LOCATION: CHESTERTOWN, MD — P.O. NO.:
SAMPLERS: R. Beam / T. Trumbull

PSS Work Order #: 14013112 — PAGE 1 OF 5

Matrix Codes:
SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TAH-DRO 8015	VOCs 8260	REMARKS
					Preservatives Used		NONE	HCl	
1	MW-1	1/30/14	0935	GW	4	G	X	X	sheen
2	MW-2	1/30/14	1000	GW	4	G	X	X	
3	MW-3	1/30/14	1105	GW	4	G	X	X	
4	MW-4	1/30/14	1020	GW	4	G	X	X	
5	MW-5	1/30/14	1115	GW	4	G	X	X	Sheen
	~~MW-8~~	~~1/30/14~~		~~GW~~	~~4~~	~~G~~	~~X~~	~~X~~	Not Sampled
6	MW-9	1/30/14	1540	GW	4	G	X	X	
7	MW-10R	1/30/14	1720	GW	4	G	X	X	
8	MW-11	1/30/14	1241	GW	4	G	X	X	
	~~MW-12~~	~~1/30/14~~		~~GW~~	~~4~~	~~G~~	~~X~~	~~X~~	Not Sampled

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	1-31-14	1040	D. Broome
(2) D. Broome	"	1410	Robyn Klinedy
(3)			
(4)			

(4)

Requested Turnaround Time
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 5
Custody Seal: Abs
Ice Present: Pres Temp: 4, 5, 6 (4.5 °C)
Shipping Carrier: TTB

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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.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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

(1)

CLIENT: EARTH DATA — OFFICE LOC. CENTREVILLE, MD
PROJECT MGR: A. BULLEN — PHONE NO.: (410) 758-8160
EMAIL: abullen@earthdata inc.com — FAX NO.: (410) 758-8168
PROJECT NAME: CRNC — PROJECT NO.: 2781
SITE LOCATION: CHESTERTOWN, MD — P.O. NO.: —
SAMPLERS: R. Beam / T. Trumbull

PSS Work Order #: 1401312 — PAGE 2 OF 5

Matrix Codes: SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: none	HCL											REMARKS
							Analysis/ Method Required (3)	TPH-DRO, 8015	VOCs, 8260										
9	MW-13	1/30/14	1330	GW	4	G		X	X										Sheen
10	MW-14	1/30/14	1550	GW	4	G		X	X										Sheen
11	MW-15	1/30/14	1455	GW	4	G		X	X										
12	MW-16	1/30/14	1350	GW	4	G		X	X										
	~~MW-17~~	~~1/30/14~~		~~GW~~	~~4~~	~~G~~													Not Sampled
13	MW-18	1/30/14	1230	GW	4	G		X	X										
14	MW-19	1/30/14	1540	GW	4	G		X	X										
15	MW-20	1/30/14	1530	GW	4	G		X	X										
	~~MW-21~~	~~1/30/14~~		~~GW~~	~~4~~	~~G~~													Not Sampled
16	MW-23	1/30/14	1215	GW	4	G		X	X										

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	1/31/14	1050	D. Groome
(2) D. Groome	"	1410	Robin Phudy
(3)			
(4)			

(4)

Requested Turnaround Time: ☒ 5-Day ☐ 3-Day ☐ 2-Day ☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 5
Custody Seal: Abs
Ice Present: Pres — Temp: 4,5,6, 6.5 °C
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: EARTH DATA — OFFICE LOC. CENTREVILLE, MD
PROJECT MGR: A. BULLEN — PHONE NO.: (410) 758-8160
EMAIL: abullen@earthdata.com — FAX NO.: (410) 758-8168
PROJECT NAME: CRHC — PROJECT NO.: 2781
SITE LOCATION: CHESTERTOWN, MD — P.O. NO.: —
SAMPLERS: R. Beam / T. Trumbull

PSS Work Order #: 1401312 — PAGE 3 OF 5

Matrix Codes: SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: none	HCL										REMARKS
							Analysis/ Method Required (3): TPH-DRO, 8015	VOCs, 8260										
17	MW-24	1/30/14	1335	GW	4	G	X	X										
18	MW-25	1/30/14	1245	GW	4	G	X	X										
19	MW-28	1/30/14	1305	GW	4	G	X	X										
20	MW-29	1/30/14	1320	GW	4	G	X	X										
21	MW-31R	1/30/14	1633	GW	4	G	X	X										
22	MW-32	1/30/14	1307	GW	4	G	X	X										
23	MW 33	1/30/14	1405	GW	4	G	X	X										
24	MW-34	1/30/14	1415	GW	4	G	X	X										
25	MW-35	1/30/14	1510	GW	4	G	X	X										
26	MW-37	1/30/14	1130	GW	4	G	X	X										Film

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	1-31-14	1050	S. Boone
(2) S. Boone	"	1410	Robyn Rhudy
(3)			
(4)			

(4)

Requested Turnaround Time: [X] 5-Day [ ] 3-Day [ ] 2-Day [ ] Next Day [ ] Emergency [ ] Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 5
Custody Seal: Abs
Ice Present: yes — Temp: 4, 5, 6, 6, 5 °C
Shipping Carrier: TTE

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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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14013112	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	01/31/2014 02:10:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Project Number	2781	**Tracking No**	Not Applicable
Disposal Date	03/07/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	4
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	R. Beam & T. Trumb
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
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 26

Total No. of Containers Received 104

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

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.

For COC pages 4 and 5 refer to 14013117.
Five coolers were received. All sample receipt conditions were acceptable. The temperatures observed were 4, 5, 6, 6, and 5 degrees C.

Samples Inspected/Checklist Completed By: Robyn Rhudy — Date: 01/31/2014

PM Review and Approval: Lynn Jackson — Date: 01/31/2014

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14013117

Project Manager: Andrew Bullen
Project Name : CRHC
Project Location: Chestertown, MD
Project ID : 2781

February 7, 2014

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

February 7, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14013117**
Project Name: CRHC
Project Location: Chestertown, MD
Project ID.: 2781

Dear Andrew Bullen :

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 **14013117**.

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 March 7, 2014. 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: Earth Data, Inc
Project Name: CRHC

Work Order Number(s): 14013117

Project ID: 2781

The following samples were received under chain of custody by Phase Separation Science (PSS) on 01/31/2014 at 02:10 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14013117-001	MW-40	GROUND WATER	01/30/14 14:08
14013117-002	MW-41	GROUND WATER	01/30/14 14:43
14013117-003	MW-42	GROUND WATER	01/30/14 17:35
14013117-004	MW-43	GROUND WATER	01/30/14 17:25
14013117-005	MW-44	GROUND WATER	01/30/14 16:55
14013117-006	MW-46	GROUND WATER	01/30/14 17:42
14013117-007	MW-45	GROUND WATER	01/30/14 17:41
14013117-008	MW-48	GROUND WATER	01/30/14 16:15
14013117-009	MW-49	GROUND WATER	01/30/14 16:30
14013117-010	MW-50	GROUND WATER	01/30/14 16:45
14013117-011	RW2D	GROUND WATER	01/30/14 18:00
14013117-012	RW-3B	GROUND WATER	01/30/14 18:02
14013117-013	RW-4	GROUND WATER	01/30/14 18:10
14013117-014	RW-5	GROUND WATER	01/30/14 18:12
14013117-015	System Discharge	GROUND WATER	01/30/14 18:05
14013117-016	MW-22	GROUND WATER	01/30/14 18:01

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)].

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. 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: Earth Data, Inc
Project Name: CRHC

Work Order Number(s): 14013117

Certifications:

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

OFFICES:
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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-40 **Date/Time Sampled: 01/30/2014 14:08** **PSS Sample ID: 14013117-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**5.9**	mg/L	0.10		1	02/04/14	02/04/14 13:31	1040

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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: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-40 **Date/Time Sampled: 01/30/2014 14:08** **PSS Sample ID: 14013117-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 21:53	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 21:53	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-40 **Date/Time Sampled: 01/30/2014 14:08** **PSS Sample ID: 14013117-001**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 21:53	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 21:53	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 21:53	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:53	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-41 **Date/Time Sampled: 01/30/2014 14:43** **PSS Sample ID: 14013117-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**76**	mg/L	2.0		20	02/04/14	02/04/14 19:45	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-41 **Date/Time Sampled: 01/30/2014 14:43** **PSS Sample ID: 14013117-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Acetone	**11**	ug/L	10		1	02/06/14	02/06/14 22:23	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 22:23	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 22:23	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-41 **Date/Time Sampled: 01/30/2014 14:43** **PSS Sample ID: 14013117-002**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 22:23	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Ethylbenzene	**3.6**	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 22:23	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
o-Xylene	**6.2**	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Isopropylbenzene	**6.2**	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 22:23	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
Naphthalene	**30**	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 22:23	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-42 **Date/Time Sampled: 01/30/2014 17:35** **PSS Sample ID: 14013117-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.47**	mg/L	0.10		1	02/04/14	02/04/14 14:33	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-42 **Date/Time Sampled: 01/30/2014 17:35** **PSS Sample ID: 14013117-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 20:54	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 20:54	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-42 **Date/Time Sampled: 01/30/2014 17:35** **PSS Sample ID: 14013117-003**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 20:54	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 20:54	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 20:54	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
Naphthalene	**1.3**	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 20:54	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-43 **Date/Time Sampled: 01/30/2014 17:25** **PSS Sample ID: 14013117-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 15:05	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-43 **Date/Time Sampled: 01/30/2014 17:25** **PSS Sample ID: 14013117-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Acetone	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/06/14 21:24	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/06/14 21:24	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-43 **Date/Time Sampled: 01/30/2014 17:25** **PSS Sample ID: 14013117-004**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/06/14 21:24	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/06/14 21:24	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/06/14 21:24	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/06/14 21:24	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-44 **Date/Time Sampled: 01/30/2014 16:55** **PSS Sample ID: 14013117-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 15:36	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-44 **Date/Time Sampled: 01/30/2014 16:55** **PSS Sample ID: 14013117-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 04:46	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 04:46	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-44 **Date/Time Sampled: 01/30/2014 16:55** **PSS Sample ID: 14013117-005**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 04:46	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 04:46	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 04:46	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 04:46	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-46 **Date/Time Sampled: 01/30/2014 17:42** **PSS Sample ID: 14013117-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**1.5**	mg/L	0.10		1	02/04/14	02/04/14 15:36	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-46 **Date/Time Sampled: 01/30/2014 17:42** **PSS Sample ID: 14013117-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 05:15	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 05:15	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-46 **Date/Time Sampled: 01/30/2014 17:42** **PSS Sample ID: 14013117-006**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 05:15	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 05:15	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
o-Xylene	**1.3**	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Isopropylbenzene	**3.6**	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 05:15	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
Naphthalene	**3.3**	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:15	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-45 **Date/Time Sampled: 01/30/2014 17:41** **PSS Sample ID: 14013117-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 20:16	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-45 **Date/Time Sampled: 01/30/2014 17:41** **PSS Sample ID: 14013117-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 05:45	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 05:45	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-45 **Date/Time Sampled: 01/30/2014 17:41** **PSS Sample ID: 14013117-007**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 05:45	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 05:45	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 05:45	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
Naphthalene	**1.8**	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 05:45	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-48 **Date/Time Sampled: 01/30/2014 16:15** **PSS Sample ID: 14013117-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 16:07	1040

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-48 **Date/Time Sampled: 01/30/2014 16:15** **PSS Sample ID: 14013117-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 06:14	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 06:14	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-48 **Date/Time Sampled: 01/30/2014 16:15** **PSS Sample ID: 14013117-008**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 06:14	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 06:14	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 06:14	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:14	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-49 **Date/Time Sampled: 01/30/2014 16:30** **PSS Sample ID: 14013117-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 17:09	1040

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-49 **Date/Time Sampled: 01/30/2014 16:30** **PSS Sample ID: 14013117-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 06:43	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 06:43	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-49 **Date/Time Sampled: 01/30/2014 16:30** **PSS Sample ID: 14013117-009**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 06:43	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 06:43	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 06:43	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 06:43	1011

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No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-50 **Date/Time Sampled: 01/30/2014 16:45** **PSS Sample ID: 14013117-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.10		1	02/04/14	02/04/14 17:09	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-50 **Date/Time Sampled: 01/30/2014 16:45** **PSS Sample ID: 14013117-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 07:13	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 07:13	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-50 **Date/Time Sampled: 01/30/2014 16:45** **PSS Sample ID: 14013117-010**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 07:13	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 07:13	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 07:13	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:13	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW2D **Date/Time Sampled: 01/30/2014 18:00** **PSS Sample ID: 14013117-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.17**	mg/L	0.10		1	02/04/14	02/04/14 17:40	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW2D **Date/Time Sampled: 01/30/2014 18:00** **PSS Sample ID: 14013117-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 07:42	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 07:42	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW2D **Date/Time Sampled: 01/30/2014 18:00** **PSS Sample ID: 14013117-011**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 07:42	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 07:42	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 07:42	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 07:42	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-3B **Date/Time Sampled: 01/30/2014 18:02** **PSS Sample ID: 14013117-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.12**	mg/L	0.10		1	02/04/14	02/04/14 17:40	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-3B **Date/Time Sampled: 01/30/2014 18:02** **PSS Sample ID: 14013117-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 08:11	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 08:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-3B **Date/Time Sampled: 01/30/2014 18:02** **PSS Sample ID: 14013117-012**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 08:11	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 08:11	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 08:11	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
Naphthalene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-4 **Date/Time Sampled: 01/30/2014 18:10** **PSS Sample ID: 14013117-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.14**	mg/L	0.10		1	02/04/14	02/04/14 18:11	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-4 **Date/Time Sampled: 01/30/2014 18:10** **PSS Sample ID: 14013117-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 08:41	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 08:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-4 **Date/Time Sampled: 01/30/2014 18:10** **PSS Sample ID: 14013117-013**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 08:41	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 08:41	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 08:41	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
Naphthalene	**1.1**	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 08:41	1011

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CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-5 **Date/Time Sampled: 01/30/2014 18:12** **PSS Sample ID: 14013117-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.17**	mg/L	0.10		1	02/04/14	02/04/14 18:11	1040

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CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-5 **Date/Time Sampled: 01/30/2014 18:12** **PSS Sample ID: 14013117-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 09:10	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 09:10	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: RW-5 **Date/Time Sampled: 01/30/2014 18:12** **PSS Sample ID: 14013117-014**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 09:10	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 09:10	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 09:10	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
Naphthalene	**1.0**	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:10	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: System Discharge **Date/Time Sampled: 01/30/2014 18:05** **PSS Sample ID: 14013117-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.17**	mg/L	0.10		1	02/04/14	02/04/14 18:43	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: System Discharge **Date/Time Sampled: 01/30/2014 18:05** **PSS Sample ID: 14013117-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 09:39	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 09:39	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117
Earth Data, Inc, Centerville, MD
February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: System Discharge **Date/Time Sampled: 01/30/2014 18:05** **PSS Sample ID: 14013117-015**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 09:39	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 09:39	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 09:39	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
Naphthalene	**1.1**	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 09:39	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-22 **Date/Time Sampled: 01/30/2014 18:01** **PSS Sample ID: 14013117-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

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

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	**0.16**	mg/L	0.10		1	02/04/14	02/04/14 18:43	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-22 **Date/Time Sampled: 01/30/2014 18:01** **PSS Sample ID: 14013117-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Chloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Bromomethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Chloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Acetone	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
Cyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/06/14	02/07/14 10:09	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Methylene Chloride	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Bromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Chloroform	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Benzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Methyl Acetate	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
Methylcyclohexane	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
Trichloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Carbon Disulfide	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/06/14	02/07/14 10:09	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14013117

Earth Data, Inc, Centerville, MD

February 7, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-22 **Date/Time Sampled: 01/30/2014 18:01** **PSS Sample ID: 14013117-016**
Matrix: GROUND WATER **Date/Time Received: 01/31/2014 14:10**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Toluene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
2-Hexanone	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Bromoform	ND	ug/L	5.0		1	02/06/14	02/07/14 10:09	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Chlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Ethylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/06/14	02/07/14 10:09	1011
Styrene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
o-Xylene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/06/14	02/07/14 10:09	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
Naphthalene	**1.3**	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/06/14	02/07/14 10:09	1011

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: CRHC

Work Order Number(s): 14013117
Project ID: 2781

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.

Sample Receipt:

For COC pages 1, 2, and 3 refer to 14013112.
Five coolers were received. All sample receipt conditions were acceptable. The temperatures observed were 4, 5, 6, 6, and 5 degrees C.

Analytical:

Total Petroleum Hydrocarbons - DRO

Batch: 111603
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): 14013117
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-40	Initial	14013117-001	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 13:31
	MW-41	Initial	14013117-002	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 19:45
	MW-42	Initial	14013117-003	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 14:33
	MW-43	Initial	14013117-004	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 15:05
	MW-44	Initial	14013117-005	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 15:36
	MW-46	Initial	14013117-006	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 15:36
	MW-45	Initial	14013117-007	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 20:16
	MW-48	Initial	14013117-008	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 16:07
	MW-49	Initial	14013117-009	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 17:09
	MW-50	Initial	14013117-010	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 17:09
	RW2D	Initial	14013117-011	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 17:40
	RW-3B	Initial	14013117-012	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 17:40
	RW-4	Initial	14013117-013	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 18:11
	RW-5	Initial	14013117-014	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 18:11
	System Discharge	Initial	14013117-015	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 18:43
	MW-22	Initial	14013117-016	1040	W	49072	111603	01/30/2014	02/04/2014 06:47	02/04/2014 18:43
	49072-1-BKS	BKS	49072-1-BKS	1040	W	49072	111603	--------	02/04/2014 06:47	02/04/2014 13:31
	49072-1-BLK	BLK	49072-1-BLK	1040	W	49072	111603	--------	02/04/2014 06:47	02/04/2014 14:33
	49072-1-BSD	BSD	49072-1-BSD	1040	W	49072	111603	--------	02/04/2014 06:47	02/04/2014 14:02
SW-846 8260 B	MW-40	Initial	14013117-001	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 21:53
	MW-41	Initial	14013117-002	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 22:23
	MW-42	Initial	14013117-003	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 20:54
	MW-43	Initial	14013117-004	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 21:24
	49128-1-BKS	BKS	49128-1-BKS	1011	W	49128	111652	--------	02/06/2014 13:00	02/06/2014 13:03
	49128-1-BLK	BLK	49128-1-BLK	1011	W	49128	111652	--------	02/06/2014 13:00	02/06/2014 15:59
	MW-16 S	MS	14013112-012 S	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 22:52
	MW-16 SD	MSD	14013112-012 SD	1011	W	49128	111652	01/30/2014	02/06/2014 13:00	02/06/2014 23:22
	MW-44	Initial	14013117-005	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 04:46
	MW-46	Initial	14013117-006	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 05:15

Analytical Data Package Information Summary

Work Order(s): 14013117
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8260 B	MW-45	Initial	14013117-007	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 05:45
	MW-48	Initial	14013117-008	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 06:14
	MW-49	Initial	14013117-009	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 06:43
	MW-50	Initial	14013117-010	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 07:13
	RW2D	Initial	14013117-011	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 07:42
	RW-3B	Initial	14013117-012	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 08:11
	RW-4	Initial	14013117-013	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 08:41
	RW-5	Initial	14013117-014	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 09:10
	System Discharge	Initial	14013117-015	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 09:39
	MW-22	Initial	14013117-016	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 10:09
	49129-1-BKS	BKS	49129-1-BKS	1011	W	49129	111653	--------	02/06/2014 13:00	02/07/2014 01:20
	49129-1-BLK	BLK	49129-1-BLK	1011	W	49129	111653	--------	02/06/2014 13:00	02/07/2014 04:16
	MW-44 S	MS	14013117-005 S	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 10:38
	MW-44 SD	MSD	14013117-005 SD	1011	W	49129	111653	01/30/2014	02/06/2014 13:00	02/07/2014 11:08

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111603 **Sample:** 14013117-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 13:31

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	113	37-136	

Lab Batch #: 111603 **Sample:** 49072-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/04/2014 13:31

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.737	1.00	74	37-136	

Lab Batch #: 111603 **Sample:** 49072-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/04/2014 14:02

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.802	1.00	80	37-136	

Lab Batch #: 111603 **Sample:** 14013117-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 14:33

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	103	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111603 **Sample:** 49072-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/04/2014 14:33

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.825	1.00	83	37-136	

Lab Batch #: 111603 **Sample:** 14013117-004 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 15:05

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.860	1.00	86	37-136	

Lab Batch #: 111603 **Sample:** 14013117-005 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 15:36

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	111	37-136	

Lab Batch #: 111603 **Sample:** 14013117-006 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 15:36

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.920	1.00	92	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111603 **Sample:** 14013117-008 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 16:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.970	1.00	97	37-136	

Lab Batch #: 111603 **Sample:** 14013117-009 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 17:09

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	105	37-136	

Lab Batch #: 111603 **Sample:** 14013117-010 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 17:09

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.990	1.00	99	37-136	

Lab Batch #: 111603 **Sample:** 14013117-011 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 17:40

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.990	1.00	99	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111603 **Sample:** 14013117-012 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 17:40

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	115	37-136	

Lab Batch #: 111603 **Sample:** 14013117-013 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 18:11

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.870	1.00	87	37-136	

Lab Batch #: 111603 **Sample:** 14013117-014 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 18:11

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.940	1.00	94	37-136	

Lab Batch #: 111603 **Sample:** 14013117-015 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 18:43

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.870	1.00	87	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111603 **Sample:** 14013117-016 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 18:43

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.710	1.00	71	37-136	

Lab Batch #: 111603 **Sample:** 14013117-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 19:45

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.70	1.00	174	37-136	*

Lab Batch #: 111603 **Sample:** 14013117-007 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/04/2014 20:16

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.910	1.00	91	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 49128-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 13:03

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.2	50.00	100	83-108	
Toluene-D8	50.6	50.00	101	91-105	
4-Bromofluorobenzene	49.4	50.00	99	83-118	

Lab Batch #: 111652 **Sample:** 49128-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/06/2014 15:59

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.2	50.00	100	83-108	
Toluene-D8	50.7	50.00	101	91-105	
4-Bromofluorobenzene	53.2	50.00	106	83-118	

Lab Batch #: 111652 **Sample:** 14013117-003 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 20:54

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013117-004 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 21:24

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	53.0	50.00	107	83-118	

Lab Batch #: 111652 **Sample:** 14013117-001 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 21:53

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111652 **Sample:** 14013117-002 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 22:23

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	50.0	50.00	101	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111652 **Sample:** 14013112-012 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 22:52

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.5	50.00	101	83-108	
Toluene-D8	50.5	50.00	101	91-105	
4-Bromofluorobenzene	50.2	50.00	100	83-118	

Lab Batch #: 111652 **Sample:** 14013112-012 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/06/2014 23:22

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.9	50.00	100	83-108	
Toluene-D8	50.1	50.00	100	91-105	
4-Bromofluorobenzene	50.4	50.00	101	83-118	

Lab Batch #: 111653 **Sample:** 49129-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/07/2014 01:20

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.2	50.00	102	83-108	
Toluene-D8	50.7	50.00	101	91-105	
4-Bromofluorobenzene	50.9	50.00	102	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111653 **Sample:** 49129-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/07/2014 04:16

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.4	50.00	101	83-108	
Toluene-D8	49.9	50.00	100	91-105	
4-Bromofluorobenzene	56.4	50.00	113	83-118	

Lab Batch #: 111653 **Sample:** 14013117-005 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 04:46

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	49.0	50.00	99	91-105	
4-Bromofluorobenzene	52.0	50.00	104	83-118	

Lab Batch #: 111653 **Sample:** 14013117-006 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 05:15

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	107	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111653 **Sample:** 14013117-007 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 05:45

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	54.0	50.00	109	83-118	

Lab Batch #: 111653 **Sample:** 14013117-008 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 06:14

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	50.0	50.00	99	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111653 **Sample:** 14013117-009 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 06:43

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	101	83-108	
Toluene-D8	51.0	50.00	101	91-105	
4-Bromofluorobenzene	51.0	50.00	102	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111653 **Sample:** 14013117-010 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 07:13

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	101	91-105	
4-Bromofluorobenzene	54.0	50.00	107	83-118	

Lab Batch #: 111653 **Sample:** 14013117-011 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 07:42

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	54.0	50.00	108	83-118	

Lab Batch #: 111653 **Sample:** 14013117-012 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 08:11

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111653 **Sample:** 14013117-013 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 08:41

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	101	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

Lab Batch #: 111653 **Sample:** 14013117-014 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 09:10

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	83-108	
Toluene-D8	51.0	50.00	101	91-105	
4-Bromofluorobenzene	52.0	50.00	103	83-118	

Lab Batch #: 111653 **Sample:** 14013117-015 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 09:39

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	52.0	50.00	105	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/07/2014

Work Order #: 14013117 **Project ID:** 2781

Lab Batch #: 111653 **Sample:** 14013117-016 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 10:09

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	99	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	52.0	50.00	104	83-118	

Lab Batch #: 111653 **Sample:** 14013117-005 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 10:38

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.1	50.00	102	83-108	
Toluene-D8	50.8	50.00	102	91-105	
4-Bromofluorobenzene	50.0	50.00	100	83-118	

Lab Batch #: 111653 **Sample:** 14013117-005 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 11:08

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	50.0	50.00	100	91-105	
4-Bromofluorobenzene	49.5	50.00	99	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14013117

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C
Matrix: **WATER**

Sample Id: **49072-1-BLK** Lab Sample Id: **49072-1-BLK**

Date Analyzed: Feb-04-14 14:33 Analyst: 1040 Date Prep: Feb-04-14 06:47 Tech: 1028
Seq Number: 111603

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Blank Summary 14013117

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49128-1-BLK** Lab Sample Id: **49128-1-BLK**

Date Analyzed: Feb-06-14 15:59 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111652

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14013117

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49128-1-BLK** Lab Sample Id: **49128-1-BLK**

Date Analyzed: Feb-06-14 15:59 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111652

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Summary 14013117

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49129-1-BLK** Lab Sample Id: **49129-1-BLK**

Date Analyzed: Feb-07-14 04:16 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111653

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14013117

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49129-1-BLK** Lab Sample Id: **49129-1-BLK**

Date Analyzed: Feb-07-14 04:16 Analyst: 1011 Date Prep: Feb-06-14 13:00 Tech: 1011
Seq Number: 111653

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013117 **Project ID:** 2781

Prep Batch #: 49128 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49128-1-BKS **Matrix:** Water

Lab Batch ID: 111652 **Date Analyzed:** 02/06/2014 15:59 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	51.87	104	36-152		17-172
Chloromethane	<1.000	50.00	45.01	90	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	55.60	111	52-132		39-145
Vinyl Chloride	<1.000	50.00	48.41	97	66-130		56-140
Bromomethane	<1.000	50.00	48.36	97	61-135		49-147
Chloroethane	<1.000	50.00	45.47	91	65-132		54-143
Acetone	<10.00	50.00	34.75	70	38-156		18-176
Cyclohexane	<10.00	50.00	52.96	106	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	51.29	103	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	49.46	99	58-123		47-134
Methylene Chloride	<1.000	50.00	45.79	92	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	51.73	103	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	48.89	98	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	50.84	102	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	40.29	81	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	51.85	104	78-127		70-135
Bromochloromethane	<1.000	50.00	51.72	103	71-141		59-152
Chloroform	<1.000	50.00	50.08	100	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	52.35	105	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	49.55	99	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	50.79	102	55-155		38-172
Benzene	<1.000	50.00	50.96	102	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	49.61	99	80-127		72-135
Methyl Acetate	<10.00	50.00	43.82	88	61-134		49-146
Methylcyclohexane	<10.00	50.00	54.22	108	67-138		56-149
Trichloroethene	<1.000	50.00	49.81	100	77-127		69-135
Carbon Disulfide	<10.00	50.00	53.07	106	64-135		52-147
Bromodichloromethane	<1.000	50.00	51.96	104	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	51.76	104	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	46.07	92	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	44.24	88	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	50.57	101	86-123		79-129
Toluene	<1.000	50.00	50.27	101	79-128		71-136
2-Hexanone	<10.00	50.00	39.67	79	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	50.31	101	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013117 **Project ID:** 2781

Prep Batch #: 49128 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49128-1-BKS **Matrix:** Water

Lab Batch ID: 111652 **Date Analyzed:** 02/06/2014 15:59 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	44.74	89	65-136		53-148
Bromoform	<5.000	50.00	45.48	91	70-127		60-136
Tetrachloroethene	<1.000	50.00	53.15	106	62-152		47-167
Chlorobenzene	<1.000	50.00	49.42	99	82-127		75-134
Ethylbenzene	<1.000	50.00	50.11	100	83-128		75-136
m,p-Xylenes	<2.000	100	96.16	96	84-129		77-136
Styrene	<1.000	50.00	47.60	95	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	47.44	95	86-125		80-131
o-Xylene	<1.000	50.00	48.85	98	85-129		78-136
Isopropylbenzene	<1.000	50.00	53.01	106	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	53.53	107	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	51.00	102	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	51.32	103	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	41.02	82	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	53.22	106	75-151		62-163
Naphthalene	<1.000	50.00	51.92	104	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	51.05	102	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013117 **Project ID:** 2781

Prep Batch #: 49129 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49129-1-BKS **Matrix:** Water

Lab Batch ID: 111653 **Date Analyzed:** 02/07/2014 04:16 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	54.09	108	36-152		17-172
Chloromethane	<1.000	50.00	44.90	90	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	57.32	115	52-132		39-145
Vinyl Chloride	<1.000	50.00	49.60	99	66-130		56-140
Bromomethane	<1.000	50.00	51.43	103	61-135		49-147
Chloroethane	<1.000	50.00	46.04	92	65-132		54-143
Acetone	<10.00	50.00	44.37	89	38-156		18-176
Cyclohexane	<10.00	50.00	61.86	124	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	45.91	92	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	50.49	101	58-123		47-134
Methylene Chloride	<1.000	50.00	49.14	98	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	57.28	115	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	51.60	103	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	56.12	112	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	45.15	90	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	58.36	117	78-127		70-135
Bromochloromethane	<1.000	50.00	58.25	117	71-141		59-152
Chloroform	<1.000	50.00	56.67	113	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	60.72	121	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	55.26	111	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	58.26	117	55-155		38-172
Benzene	<1.000	50.00	57.51	115	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	56.89	114	80-127		72-135
Methyl Acetate	<10.00	50.00	46.12	92	61-134		49-146
Methylcyclohexane	<10.00	50.00	61.68	123	67-138		56-149
Trichloroethene	<1.000	50.00	57.48	115	77-127		69-135
Carbon Disulfide	<10.00	50.00	53.23	106	64-135		52-147
Bromodichloromethane	<1.000	50.00	57.98	116	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	55.00	110	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	42.96	86	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	46.14	92	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	54.59	109	86-123		79-129
Toluene	<1.000	50.00	56.70	113	79-128		71-136
2-Hexanone	<10.00	50.00	38.13	76	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	53.68	107	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14013117 **Project ID:** 2781

Prep Batch #: 49129 **Date Prepared:** 02/06/2014 13:00 **Sample ID:** 49129-1-BKS **Matrix:** Water

Lab Batch ID: 111653 **Date Analyzed:** 02/07/2014 04:16 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	48.07	96	65-136		53-148
Bromoform	<5.000	50.00	47.52	95	70-127		60-136
Tetrachloroethene	<1.000	50.00	58.57	117	62-152		47-167
Chlorobenzene	<1.000	50.00	54.70	109	82-127		75-134
Ethylbenzene	<1.000	50.00	56.34	113	83-128		75-136
m,p-Xylenes	<2.000	100	106.7	107	84-129		77-136
Styrene	<1.000	50.00	51.97	104	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	49.39	99	86-125		80-131
o-Xylene	<1.000	50.00	53.95	108	85-129		78-136
Isopropylbenzene	<1.000	50.00	60.76	122	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	58.47	117	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	55.22	110	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	55.65	111	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	45.26	91	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	59.43	119	75-151		62-163
Naphthalene	<1.000	50.00	53.71	107	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	56.86	114	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: CRHC

Work Order #: 14013117 **Project ID:** 2781

Prep Batch #: 49072 **Date Prepared:** 02/04/2014 06:47 **Sample:** 49072-1-BKS **Analyst:** 1040

Lab Batch ID: 111603 **Date Analyzed:** 02/04/2014 13:31 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

Total Petroleum Hydrocarbons - DRO	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.9885	99	1.000	1.108	111	11	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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.

ANALYTICAL CHEMISTRY • ENVIRONMENTAL SCIENCE

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

1401311 7

PSS Work Order #: 1401342

PAGE 4 OF 5

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(1)

CLIENT: EARTH DATA — OFFICE LOC: Centreville, MD
PROJECT MGR: A. Bullen — PHONE NO.: (410) 758-8160
EMAIL: abullen@earthdata inc.com — FAX NO.: (410) 758-8168
PROJECT NAME: CRHC — PROJECT NO.: 2781
SITE LOCATION: CHESTERTOWN, MD — P.O. NO.: —
SAMPLERS: R. Beam / T. Trumbull

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TAL-DRO, 8015	VOCs, 8260	REMARKS
						Preservatives Used	none	HCl	
1	MW-40	1/30/14	1408	GW	4	G	X	X	
2	MW-41	1/30/14	1443	GW	4	G	X	X	
3	MW-42	1/30/14	1735	GW	4	G	X	X	
4	MW-43	1/30/14	1725	GW	4	G	X	X	
5	MW-44	1/30/14	1655	GW	4	G	X	X	
6	MW-46	1/30/14	1742	GW	4	G	X	X	
7	MW-45	1/30/14	1741	GW	4	G	X	X	
8	MW-48	1/30/14	1615	GW	4	G	X	X	
9	MW-49	1/30/14	1630	GW	4	G	X	X	
10	MW-50	1/30/14	1645	GW	4	G	X	X	

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	1-31-14	1000	D. Broome
(2) D. Broome	"	1410	Robin Phelps
(3)			
(4)			

(4)

Requested Turnaround Time
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

# of Coolers: 5
Custody Seal: Abs
Ice Present: Rec — Temp: 4, 5, 6, 6, 5 °C
Shipping Carrier: TTE

Special Instructions:

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.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

1401 3117

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

(1)

CLIENT: EARTH DATA — OFFICE LOC: Centreville, MD
PROJECT MGR: A. Bullen — PHONE NO.: (410) 758-8160
EMAIL: abullen@earthdatainc.com — FAX NO.: (410) 758-8168
PROJECT NAME: CRMC — PROJECT NO.: 2781
SITE LOCATION: Chestertown, MD — P.O. NO.: —
SAMPLERS: R. Beam / T. Trumbull

PSS Work Order #: ~~1401 3117~~ — PAGE 5 OF 5

Matrix Codes: SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TPH-DRO 8015	VOCs 8260	REMARKS
						Preservatives Used	none	HCL	
11	RW2D	1/30/14	1800	GW	4	G	X	X	Film
12	RW-3B	1/30/14	1802	GW	4	G	X	X	Free product
13	RW-4	1/30/14	1810	GW	4	G	X	X	Film
14	RW-5	1/30/14	1812	GW	4	G	X	X	Film
	~~RW-6~~	~~1/30/14~~		~~GW~~	~~4~~	~~G~~	X	X	Not Sampled
	~~MW-22~~	~~1/30/14~~	~~1801~~	~~GW~~	~~4~~	~~G~~	X	X	Rewritten
15	System Discharge	1/30/14	1805	GW	4	G	X	X	
16	MW-22	1/30/14	1801	GW	4	G	X	X	

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	1-31-14	1000	D. Broome
(2) D. Broome	"	1400	Robin Rhudy
(3)			
(4)			

(4)

Requested Turnaround Time: [X] 5-Day [ ] 3-Day [ ] 2-Day [ ] Next Day [ ] Emergency [ ] Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 5
Custody Seal: Abs
Ice Present: Pres — Temp: 4.5, 6, 6.5 °C
Shipping Carrier: TTE

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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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14013117	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	01/31/2014 02:10:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Project Number	2781	**Tracking No**	Not Applicable
Disposal Date	03/07/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	4
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	R. Bean & T. Trumbı
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
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 16

Total No. of Containers Received 64

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

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.

For COC pages 1, 2, and 3 refer to 14013112.
Five coolers were received. All sample receipt conditions were acceptable. The temperatures observed were 4, 5, 6, 6, and 5 degrees C.

Samples Inspected/Checklist Completed By: Robyn Rhudy — Date: 01/31/2014

PM Review and Approval: Lynn Jackson — Date: 01/31/2014

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14020317

Project Manager: Andrew Bullen
Project Name : CRHC
Project Location: Chestertown, MD
Project ID : 2781

February 10, 2014

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

February 10, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14020317**
Project Name: CRHC
Project Location: Chestertown, MD
Project ID.: 2781

Dear Andrew Bullen :

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 **14020317**.

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 March 10, 2014. 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: Earth Data, Inc
Project Name: CRHC

Work Order Number(s): 14020317

Project ID: 2781

The following samples were received under chain of custody by Phase Separation Science (PSS) on 02/03/2014 at 04:30 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14020317-001	MW-12	GROUND WATER	02/01/14 10:50
14020317-002	MW-17	GROUND WATER	02/01/14 09:55
14020317-003	MW-21	GROUND WATER	02/01/14 10:25

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)].

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. 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
LDBA MWAA LD1997-0041-2015

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-12 **Date/Time Sampled: 02/01/2014 10:50** **PSS Sample ID: 14020317-001**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

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	02/04/14	02/05/14 11:07	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317
Earth Data, Inc, Centerville, MD
February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-12 **Date/Time Sampled: 02/01/2014 10:50** **PSS Sample ID: 14020317-001**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Chloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Bromomethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Chloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Acetone	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
Cyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/07/14	02/07/14 19:41	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Methylene Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Bromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Chloroform	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Benzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Methyl Acetate	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
Methylcyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
Trichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Carbon Disulfide	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/07/14	02/07/14 19:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-12 **Date/Time Sampled: 02/01/2014 10:50** **PSS Sample ID: 14020317-001**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Toluene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
2-Hexanone	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Bromoform	ND	ug/L	5.0		1	02/07/14	02/07/14 19:41	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Chlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Ethylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/07/14	02/07/14 19:41	1011
Styrene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
o-Xylene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/07/14	02/07/14 19:41	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
Naphthalene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 19:41	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-17 **Date/Time Sampled: 02/01/2014 09:55** **PSS Sample ID: 14020317-002**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

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	02/04/14	02/05/14 11:07	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317
Earth Data, Inc, Centerville, MD
February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-17 **Date/Time Sampled: 02/01/2014 09:55** **PSS Sample ID: 14020317-002**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Chloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Bromomethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Chloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Acetone	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
Cyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/07/14	02/07/14 20:11	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Methylene Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Bromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Chloroform	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Benzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Methyl Acetate	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
Methylcyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
Trichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Carbon Disulfide	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/07/14	02/07/14 20:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-17 **Date/Time Sampled: 02/01/2014 09:55** **PSS Sample ID: 14020317-002**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Toluene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
2-Hexanone	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Bromoform	ND	ug/L	5.0		1	02/07/14	02/07/14 20:11	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Chlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Ethylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/07/14	02/07/14 20:11	1011
Styrene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
o-Xylene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/07/14	02/07/14 20:11	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
Naphthalene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:11	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-21 **Date/Time Sampled: 02/01/2014 10:25** **PSS Sample ID: 14020317-003**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

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	02/04/14	02/05/14 11:29	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317
Earth Data, Inc, Centerville, MD
February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-21 **Date/Time Sampled: 02/01/2014 10:25** **PSS Sample ID: 14020317-003**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Chloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Vinyl Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Bromomethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Chloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Acetone	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
Cyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	02/07/14	02/07/14 20:40	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Methylene Chloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
2-Butanone (MEK)	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Bromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Chloroform	**1.1**	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Benzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Methyl Acetate	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
Methylcyclohexane	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
Trichloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Carbon Disulfide	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
Bromodichloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	02/07/14	02/07/14 20:40	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14020317

Earth Data, Inc, Centerville, MD

February 10, 2014

Project Name: CRHC
Project Location: Chestertown, MD
Project ID: 2781

Sample ID: MW-21 **Date/Time Sampled: 02/01/2014 10:25** **PSS Sample ID: 14020317-003**
Matrix: GROUND WATER **Date/Time Received: 02/03/2014 16:30**

TCL Volatile Organic Compounds Analytical Method: SW-846 8260 B Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Toluene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
2-Hexanone	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Dibromochloromethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Bromoform	ND	ug/L	5.0		1	02/07/14	02/07/14 20:40	1011
Tetrachloroethene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Chlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Ethylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/07/14	02/07/14 20:40	1011
Styrene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
o-Xylene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Isopropylbenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	02/07/14	02/07/14 20:40	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
Naphthalene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	02/07/14	02/07/14 20:40	1011

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: CRHC

Work Order Number(s): 14020317
Project ID: 2781

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.

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): 14020317
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-12	Initial	14020317-001	1040	W	49084	111596	02/01/2014	02/04/2014 17:51	02/05/2014 11:07
	MW-17	Initial	14020317-002	1040	W	49084	111596	02/01/2014	02/04/2014 17:51	02/05/2014 11:07
	MW-21	Initial	14020317-003	1040	W	49084	111596	02/01/2014	02/04/2014 17:51	02/05/2014 11:29
	49084-1-BKS	BKS	49084-1-BKS	1040	W	49084	111596	--------	02/04/2014 17:51	02/05/2014 09:40
	49084-1-BLK	BLK	49084-1-BLK	1040	W	49084	111596	--------	02/04/2014 17:51	02/05/2014 10:24
	49084-1-BSD	BSD	49084-1-BSD	1040	W	49084	111596	--------	02/04/2014 17:51	02/05/2014 10:02
SW-846 8260 B	MW-12	Initial	14020317-001	1011	W	49150	111680	02/01/2014	02/07/2014 13:00	02/07/2014 19:41
	MW-17	Initial	14020317-002	1011	W	49150	111680	02/01/2014	02/07/2014 13:00	02/07/2014 20:11
	MW-21	Initial	14020317-003	1011	W	49150	111680	02/01/2014	02/07/2014 13:00	02/07/2014 20:40
	49150-1-BKS	BKS	49150-1-BKS	1011	W	49150	111680	--------	02/07/2014 13:00	02/07/2014 13:18
	49150-1-BLK	BLK	49150-1-BLK	1011	W	49150	111680	--------	02/07/2014 13:00	02/07/2014 16:15
	GAC-2 Final S	MS	14020301-001 S	1011	W	49150	111680	01/31/2014	02/07/2014 13:00	02/07/2014 23:08
	GAC-2 Final SD	MSD	14020301-001 SD	1011	W	49150	111680	01/31/2014	02/07/2014 13:00	02/07/2014 23:37

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/11/2014

Work Order #: 14020317 **Project ID:** 2781

Lab Batch #: 111596 **Sample:** 49084-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/05/2014 09:40

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.568	1.00	57	37-136	

Lab Batch #: 111596 **Sample:** 49084-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/05/2014 10:02

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.591	1.00	59	37-136	

Lab Batch #: 111596 **Sample:** 49084-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/05/2014 10:24

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.464	1.00	46	37-136	

Lab Batch #: 111596 **Sample:** 14020317-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/05/2014 11:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.520	1.00	52	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/11/2014

Work Order #: 14020317 **Project ID:** 2781

Lab Batch #: 111596 **Sample:** 14020317-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/05/2014 11:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.560	1.00	56	37-136	

Lab Batch #: 111596 **Sample:** 14020317-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/05/2014 11:29

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.610	1.00	61	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/11/2014

Work Order #: 14020317 **Project ID:** 2781

Lab Batch #: 111680 **Sample:** 49150-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/07/2014 13:18

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.8	50.00	102	83-108	
Toluene-D8	51.1	50.00	102	91-105	
4-Bromofluorobenzene	50.0	50.00	100	83-118	

Lab Batch #: 111680 **Sample:** 49150-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/07/2014 16:15

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.2	50.00	102	83-108	
Toluene-D8	50.6	50.00	101	91-105	
4-Bromofluorobenzene	53.8	50.00	108	83-118	

Lab Batch #: 111680 **Sample:** 14020317-001 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 19:41

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.0	50.00	101	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	51.0	50.00	103	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/11/2014

Work Order #: 14020317 **Project ID:** 2781

Lab Batch #: 111680 **Sample:** 14020317-002 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 20:11

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.0	50.00	101	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	53.0	50.00	105	83-118	

Lab Batch #: 111680 **Sample:** 14020317-003 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 20:40

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	53.0	50.00	106	83-118	

Lab Batch #: 111680 **Sample:** 14020301-001 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 23:08

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.1	50.00	102	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	49.6	50.00	99	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: CRHC

02/11/2014

Work Order #: 14020317 **Project ID:** 2781

Lab Batch #: 111680 **Sample:** 14020301-001 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/07/2014 23:37

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.1	50.00	102	83-108	
Toluene-D8	51.0	50.00	102	91-105	
4-Bromofluorobenzene	49.9	50.00	100	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14020317

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C
Matrix: **WATER**

Sample Id: **49084-1-BLK** Lab Sample Id: **49084-1-BLK**

Date Analyzed: Feb-05-14 10:24 Analyst: 1040 Date Prep: Feb-04-14 17:51 Tech: 1050
Seq Number: 111596

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Blank Summary 14020317

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49150-1-BLK** Lab Sample Id: **49150-1-BLK**

Date Analyzed: Feb-07-14 16:15 Analyst: 1011 Date Prep: Feb-07-14 13:00 Tech: 1011
Seq Number: 111680

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14020317

Earth Data, Inc, Centerville, MD

CRHC

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49150-1-BLK** Lab Sample Id: **49150-1-BLK**

Date Analyzed: Feb-07-14 16:15 Analyst: 1011 Date Prep: Feb-07-14 13:00 Tech: 1011
Seq Number: 111680

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14020317 **Project ID:** 2781

Prep Batch #: 49150 **Date Prepared:** 02/07/2014 13:00 **Sample ID:** 49150-1-BKS **Matrix:** Water

Lab Batch ID: 111680 **Date Analyzed:** 02/07/2014 16:15 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	49.49	99	36-152		17-172
Chloromethane	<1.000	50.00	42.55	85	46-149		29-166
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	54.12	108	52-132		39-145
Vinyl Chloride	<1.000	50.00	46.47	93	66-130		56-140
Bromomethane	<1.000	50.00	47.72	95	61-135		49-147
Chloroethane	<1.000	50.00	45.04	90	65-132		54-143
Acetone	<10.00	50.00	43.24	86	38-156		18-176
Cyclohexane	<10.00	50.00	51.03	102	54-137		41-151
Trichlorofluoromethane	<5.000	50.00	50.08	100	59-132		46-145
1,1-Dichloroethene	<1.000	50.00	47.74	95	58-123		47-134
Methylene Chloride	<1.000	50.00	46.72	93	58-137		44-150
trans-1,2-Dichloroethene	<1.000	50.00	51.05	102	68-132		58-142
Methyl-t-butyl ether	<1.000	50.00	48.87	98	74-124		66-132
1,1-Dichloroethane	<1.000	50.00	50.41	101	74-138		64-149
2-Butanone (MEK)	<10.00	50.00	54.10	108	55-135		42-148
cis-1,2-Dichloroethene	<1.000	50.00	52.23	104	78-127		70-135
Bromochloromethane	<1.000	50.00	52.18	104	71-141		59-152
Chloroform	<1.000	50.00	50.12	100	78-127		70-136
1,1,1-Trichloroethane	<1.000	50.00	52.32	105	76-137		66-147
1,2-Dichloroethane	<1.000	50.00	50.36	101	77-131		68-140
Carbon Tetrachloride	<1.000	50.00	50.59	101	55-155		38-172
Benzene	<1.000	50.00	51.16	102	79-129		71-137
1,2-Dichloropropane	<1.000	50.00	51.33	103	80-127		72-135
Methyl Acetate	<10.00	50.00	49.32	99	61-134		49-146
Methylcyclohexane	<10.00	50.00	53.58	107	67-138		56-149
Trichloroethene	<1.000	50.00	49.99	100	77-127		69-135
Carbon Disulfide	<10.00	50.00	50.63	101	64-135		52-147
Bromodichloromethane	<1.000	50.00	51.47	103	66-131		55-141
cis-1,3-Dichloropropene	<1.000	50.00	51.11	102	62-128		51-139
4-Methyl-2-Pentanone	<5.000	50.00	53.78	108	62-129		51-140
trans-1,3-Dichloropropene	<1.000	50.00	44.12	88	60-131		48-143
1,1,2-Trichloroethane	<1.000	50.00	51.61	103	86-123		79-129
Toluene	<1.000	50.00	50.55	101	79-128		71-136
2-Hexanone	<10.00	50.00	46.19	92	55-134		42-147
1,2-Dibromoethane (EDB)	<1.000	50.00	50.22	100	89-127		83-133

Blank Spike Recovery [D] = 100*(([C])/[B])

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6630 Baltimore National Pike
Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: CRHC

Work Order #: 14020317 **Project ID:** 2781

Prep Batch #: 49150 **Date Prepared:** 02/07/2014 13:00 **Sample ID:** 49150-1-BKS **Matrix:** Water

Lab Batch ID: 111680 **Date Analyzed:** 02/07/2014 16:15 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	44.05	88	65-136		53-148
Bromoform	<5.000	50.00	45.85	92	70-127		60-136
Tetrachloroethene	<1.000	50.00	52.14	104	62-152		47-167
Chlorobenzene	<1.000	50.00	48.67	97	82-127		75-134
Ethylbenzene	<1.000	50.00	49.41	99	83-128		75-136
m,p-Xylenes	<2.000	100	93.85	94	84-129		77-136
Styrene	<1.000	50.00	46.52	93	87-127		80-134
1,1,2,2-Tetrachloroethane	<1.000	50.00	49.62	99	86-125		80-131
o-Xylene	<1.000	50.00	47.74	95	85-129		78-136
Isopropylbenzene	<1.000	50.00	51.49	103	83-128		75-136
1,3-Dichlorobenzene	<1.000	50.00	52.06	104	84-130		77-137
1,4-Dichlorobenzene	<1.000	50.00	49.88	100	83-128		76-135
1,2-Dichlorobenzene	<1.000	50.00	50.47	101	82-129		75-137
1,2-Dibromo-3-Chloropropane	<10.00	50.00	44.31	89	59-137		46-150
1,2,4-Trichlorobenzene	<1.000	50.00	55.25	111	75-151		62-163
Naphthalene	<1.000	50.00	53.03	106	66-161		50-177
1,2,3-Trichlorobenzene	<1.000	50.00	55.63	111	78-155		66-168

Blank Spike Recovery [D] = 100*(([C])/[B])

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Baltimore, MD 21228

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F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: CRHC

Work Order #: 14020317 **Project ID:** 2781

Prep Batch #: 49084 **Date Prepared:** 02/04/2014 17:51 **Sample:** 49084-1-BKS **Analyst:** 1040

Lab Batch ID: 111596 **Date Analyzed:** 02/05/2014 09:40 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

Total Petroleum Hydrocarbons - DRO	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.7556	76	1.000	0.7060	71	7	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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: Earth Data Inc OFFICE LOC. Centreville, MD

PROJECT MGR: A. Bullen PHONE NO.: (410) 758-8160

EMAIL: abullen@earthdatainc.com FAX NO.: (410) 758-8168

PROJECT NAME: CRHC PROJECT NO.: 2781

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

SAMPLERS: R. Beam

PSS Work Order #: 14020317

PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TPH-DRO 8015	VOCs, 8260	REMARKS
						Preservatives Used	None	HCl	
1	MW-12	2-1-14	1050	GW	4	G	X	X	
2	MW-17	2-1-14	0955	GW	4	G	X	X	
3	MW-21	2-1-14	1025	GW	4	G	X	X	

(3) Analysis/Method Required

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	2-3-14	1048	D. Broome
(2) D. Broome	"	1630	Foley Richards
(3)			
(4)			

(4)

Requested Turnaround Time
- [x] 5-Day
- [ ] 3-Day
- [ ] 2-Day
- [ ] Next Day
- [ ] Emergency
- [ ] Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 1

Custody Seal: Abs

Ice Present: Pres Temp: 4°C

Shipping Carrier: TME

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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14020317	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	02/03/2014 04:30:00 PM
Project Name	CRHC	**Delivered By**	Trans Time Express
Project Number	2781	**Tracking No**	Not Applicable
Disposal Date	03/10/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	4
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	R. Beam
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

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

Total No. of Samples Received 3

Total No. of Containers Received 13

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

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: Robyn Rhudy — Date: 02/03/2014

PM Review and Approval: Lynn Jackson — Date: 02/04/2014

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14022506

Project Manager: Andrew Bullen
Project Name : Chester River Hospital Center
Project Location: Chestertown, MD
Project ID : 4630

March 4, 2014

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

March 4, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14022506**
Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID.: 4630

Dear Andrew Bullen :

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 **14022506**.

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 April 1, 2014. 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: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14022506

Project ID: 4630

The following samples were received under chain of custody by Phase Separation Science (PSS) on 02/25/2014 at 01:15 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14022506-001	MW-15	GROUND WATER	02/24/14 12:39
14022506-002	MW-16	GROUND WATER	02/24/14 13:12
14022506-003	MW-19	GROUND WATER	02/24/14 14:49
14022506-004	MW-20	GROUND WATER	02/24/14 15:01
14022506-005	MW-24	GROUND WATER	02/24/14 12:22
14022506-006	MW-33	GROUND WATER	02/24/14 13:21
14022506-007	MW-34	GROUND WATER	02/24/14 14:13
14022506-008	MW-35	GROUND WATER	02/24/14 14:38
14022506-009	MW-48	GROUND WATER	02/24/14 15:30
14022506-010	MW-49	GROUND WATER	02/24/14 15:41
14022506-011	MW-50	GROUND WATER	02/24/14 15:54
14022506-012	System Discharge	GROUND WATER	02/24/14 16:12

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)].

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. 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: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14022506

Certifications:

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

OFFICES:
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14022506

Earth Data, Inc, Centerville, MD

March 4, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID: 4630

Sample ID: MW-15 **Date/Time Sampled: 02/24/2014 12:39** **PSS Sample ID: 14022506-001**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 15:26	1040

Sample ID: MW-16 **Date/Time Sampled: 02/24/2014 13:12** **PSS Sample ID: 14022506-002**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 15:48	1040

Sample ID: MW-19 **Date/Time Sampled: 02/24/2014 14:49** **PSS Sample ID: 14022506-003**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 15:48	1040

Sample ID: MW-20 **Date/Time Sampled: 02/24/2014 15:01** **PSS Sample ID: 14022506-004**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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)	**0.58**	mg/L	0.10		1	02/26/14	02/26/14 16:10	1040

Sample ID: MW-24 **Date/Time Sampled: 02/24/2014 12:22** **PSS Sample ID: 14022506-005**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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)	**0.17**	mg/L	0.10		1	02/26/14	02/26/14 16:10	1040

Sample ID: MW-33 **Date/Time Sampled: 02/24/2014 13:21** **PSS Sample ID: 14022506-006**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 16:31	1040

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14022506

Earth Data, Inc, Centerville, MD

March 4, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID: 4630

Sample ID: MW-34 **Date/Time Sampled: 02/24/2014 14:13** **PSS Sample ID: 14022506-007**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 16:31	1040

Sample ID: MW-35 **Date/Time Sampled: 02/24/2014 14:38** **PSS Sample ID: 14022506-008**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/27/14 09:52	1040

Sample ID: MW-48 **Date/Time Sampled: 02/24/2014 15:30** **PSS Sample ID: 14022506-009**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 17:15	1040

Sample ID: MW-49 **Date/Time Sampled: 02/24/2014 15:41** **PSS Sample ID: 14022506-010**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/27/14 10:13	1040

Sample ID: MW-50 **Date/Time Sampled: 02/24/2014 15:54** **PSS Sample ID: 14022506-011**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 17:37	1040

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: 14022506

Earth Data, Inc, Centerville, MD

March 4, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID: 4630

Sample ID: System Discharge **Date/Time Sampled: 02/24/2014 16:12** **PSS Sample ID: 14022506-012**
Matrix: GROUND WATER **Date/Time Received: 02/25/2014 13:15**

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	02/26/14	02/26/14 17:59	1040

BTEX MTBE TBA Naphthalene — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Butyl alcohol	ND	ug/L	20		1	02/27/14	02/27/14 15:03	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011
Benzene	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011
Toluene	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011
Ethylbenzene	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011
m,p-Xylenes	ND	ug/L	2.0		1	02/27/14	02/27/14 15:03	1011
o-Xylene	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011
Naphthalene	ND	ug/L	1.0		1	02/27/14	02/27/14 15:03	1011

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14022506
Project ID: 4630

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.

Sample Receipt:

All sample receipt conditions were acceptable.

Sample Preparation:

Total Petroleum Hydrocarbons - DRO

Preparation Batch: 49345

'Matrix spike/ matrix spike duplicate analyses were not performed due to insufficient sample quantity.'

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): 14022506
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-15	Initial	14022506-001	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 15:26
	MW-16	Initial	14022506-002	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 15:48
	MW-19	Initial	14022506-003	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 15:48
	MW-20	Initial	14022506-004	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 16:10
	MW-24	Initial	14022506-005	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 16:10
	MW-33	Initial	14022506-006	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 16:31
	MW-34	Initial	14022506-007	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 16:31
	MW-35	Initial	14022506-008	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/27/2014 09:52
	MW-48	Initial	14022506-009	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 17:15
	MW-49	Initial	14022506-010	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/27/2014 10:13
	MW-50	Initial	14022506-011	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 17:37
	System Discharge	Initial	14022506-012	1040	W	49345	112054	02/24/2014	02/26/2014 09:46	02/26/2014 17:59
	49345-1-BKS	BKS	49345-1-BKS	1040	W	49345	112054	--------	02/26/2014 09:46	02/26/2014 14:21
	49345-1-BLK	BLK	49345-1-BLK	1040	W	49345	112054	--------	02/26/2014 09:46	02/26/2014 15:05
	49345-1-BSD	BSD	49345-1-BSD	1040	W	49345	112054	--------	02/26/2014 09:46	02/26/2014 14:43
SW-846 8260 B	System Discharge	Initial	14022506-012	1011	W	49389	112089	02/24/2014	02/27/2014 13:00	02/27/2014 15:03
	49389-1-BKS	BKS	49389-1-BKS	1011	W	49389	112089	--------	02/27/2014 13:00	02/27/2014 11:31
	49389-1-BLK	BLK	49389-1-BLK	1011	W	49389	112089	--------	02/27/2014 13:00	02/27/2014 14:29
	System Discharge S	MS	14022506-012 S	1011	W	49389	112089	02/24/2014	02/27/2014 13:00	02/27/2014 20:59
	System Discharge SD	MSD	14022506-012 SD	1011	W	49389	112089	02/24/2014	02/27/2014 13:00	02/27/2014 21:28

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112054 **Sample:** 49345-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/2014 14:21

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.748	1.00	75	37-136	

Lab Batch #: 112054 **Sample:** 49345-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/2014 14:43

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.761	1.00	76	37-136	

Lab Batch #: 112054 **Sample:** 49345-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/2014 15:05

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.802	1.00	80	37-136	

Lab Batch #: 112054 **Sample:** 14022506-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 15:26

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	105	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112054 **Sample:** 14022506-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 15:48

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.780	1.00	78	37-136	

Lab Batch #: 112054 **Sample:** 14022506-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 15:48

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	107	37-136	

Lab Batch #: 112054 **Sample:** 14022506-004 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 16:10

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.950	1.00	95	37-136	

Lab Batch #: 112054 **Sample:** 14022506-005 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 16:10

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	113	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112054 **Sample:** 14022506-006 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 16:31

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.750	1.00	75	37-136	

Lab Batch #: 112054 **Sample:** 14022506-007 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 16:31

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.10	1.00	111	37-136	

Lab Batch #: 112054 **Sample:** 14022506-009 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 17:15

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.880	1.00	88	37-136	

Lab Batch #: 112054 **Sample:** 14022506-011 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 17:37

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.30	1.00	129	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112054 **Sample:** 14022506-012 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/26/2014 17:59

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.770	1.00	77	37-136	

Lab Batch #: 112054 **Sample:** 14022506-008 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/27/2014 09:52

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	104	37-136	

Lab Batch #: 112054 **Sample:** 14022506-010 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 02/27/2014 10:13

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.860	1.00	86	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112089 **Sample:** 49389-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/27/2014 11:31

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.8	50.00	100	83-108	
Toluene-D8	51.2	50.00	102	91-105	
4-Bromofluorobenzene	49.4	50.00	99	83-118	

Lab Batch #: 112089 **Sample:** 49389-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 02/27/2014 14:29

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.9	50.00	102	83-108	
Toluene-D8	50.2	50.00	100	91-105	
4-Bromofluorobenzene	58.3	50.00	117	83-118	

Lab Batch #: 112089 **Sample:** 14022506-012 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/27/2014 15:03

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	83-108	
Toluene-D8	48.0	50.00	97	91-105	
4-Bromofluorobenzene	54.0	50.00	108	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

03/04/2014

Work Order #: 14022506 **Project ID:** 4630

Lab Batch #: 112089 **Sample:** 14022506-012 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/27/2014 20:59

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.5	50.00	99	83-108	
Toluene-D8	49.1	50.00	98	91-105	
4-Bromofluorobenzene	49.7	50.00	99	83-118	

Lab Batch #: 112089 **Sample:** 14022506-012 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 02/27/2014 21:28

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.4	50.00	99	83-108	
Toluene-D8	48.3	50.00	97	91-105	
4-Bromofluorobenzene	48.6	50.00	97	83-118	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14022506

Earth Data, Inc, Centerville, MD

Chester River Hospital Center

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C

Matrix: **WATER**

Sample Id: **49345-1-BLK** Lab Sample Id: **49345-1-BLK**

Date Analyzed: Feb-26-14 15:05 Analyst: 1040 Date Prep: Feb-26-14 09:46 Tech: 1022

Seq Number: 112054

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Blank Summary 14022506

Earth Data, Inc, Centerville, MD

Chester River Hospital Center

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49389-1-BLK** Lab Sample Id: **49389-1-BLK**

Date Analyzed: Feb-27-14 14:29 Analyst: 1011 Date Prep: Feb-27-14 13:00 Tech: 1011
Seq Number: 112089

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
tert-Butyl alcohol	75-65-0	ND	20.00	10.00	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: Chester River Hospital Center

Work Order #: 14022506 **Project ID:** 4630

Prep Batch #: 49389 **Date Prepared:** 02/27/2014 13:00 **Sample ID:** 49389-1-BKS **Matrix:** Water

Lab Batch ID: 112089 **Date Analyzed:** 02/27/2014 14:29 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX MTBE TBA Naphthalene Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
tert-Butyl alcohol	<20.00	50.00	54.85	110	43-161		24-181
Methyl-t-butyl ether	<1.000	50.00	53.97	108	74-124		66-132
Benzene	<1.000	50.00	47.72	95	79-129		71-137
Toluene	<1.000	50.00	49.88	100	79-128		71-136
Ethylbenzene	<1.000	50.00	49.33	99	83-128		75-136
m,p-Xylenes	<2.000	100	97.81	98	84-129		77-136
o-Xylene	<1.000	50.00	49.05	98	85-129		78-136
Naphthalene	<1.000	50.00	48.19	96	66-161		50-177

Blank Spike Recovery [D] = 100*(([C])/[B])

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: Chester River Hospital Center

Work Order #: 14022506 **Project ID:** 4630

Prep Batch #: 49345 **Date Prepared:** 02/26/2014 09:46 **Sample:** 49345-1-BKS **Analyst:** 1040

Lab Batch ID: 112054 **Date Analyzed:** 02/26/2014 14:21 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

Total Petroleum Hydrocarbons - DRO	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.7775	78	1.000	0.7799	78	0	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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: Earth Data Inc OFFICE LOC. Centreville, MD

PROJECT MGR: A. Bullen PHONE NO.: (410) 758-8160

EMAIL: abullen@earthdatainc.com FAX NO.: (410) 758-8168

PROJECT NAME: Chester River Hospital Center PROJECT NO.: 46630

SITE LOCATION: Chestertown MD P.O. NO.:

SAMPLERS: R. Beam, T. Trumbull

PSS Work Order #: 14022506 PAGE 1 OF 2

Matrix Codes:
SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: None	Analysis/ Method Required (3): TPH-DRO	REMARKS
1	MW-15	2-24-14	1239	GW	1	G		X	
2	MW-16	2-24-14	1312	GW	1	G		X	
3	MW-19	2-24-14	1449	GW	1	G		X	
4	MW-20	2-24-14	1501	GW	1	G		X	
5	MW-24	2-24-14	1222	GW	1	G		X	
6	MW-33	2-24-14	1321	GW	1	G		X	
7	MW-34	2-24-14	1413	GW	1	G		X	
8	MW-35	2-24-14	1438	GW	1	G		X	
9	MW-48	2-24-14	1530	GW	1	G		X	
10	MW-49	2-24-14	1541	GW	1	G		X	

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	2-25-14	1035	D. Broome
(2) D. Broome	"	1315	Robyn Blundy
(3)			
(4)			

(4)

Requested Turnaround Time
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

# of Coolers: 1
Custody Seal: Abs
Ice Present: Yes Temp: 5°C
Shipping Carrier: TTE

Special Instructions:

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.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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

(1)

CLIENT: Earth Data INC OFFICE LOC. Centreville, MD

PROJECT MGR: A. Bullen PHONE NO.: (410) 758-8160

EMAIL: abullen@earthdata inc.com FAX NO.: (410) 758-8168

PROJECT NAME: Chester River Hospital Center PROJECT NO.: 4630

SITE LOCATION: Chestertown MD P.O. NO.:

SAMPLERS: R. Beam, T. Trumbull

PSS Work Order #: 1402 2506 PAGE 2 OF 2

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	TPH-DRO	BTEX	MTBE	TBA	Naphthalene							REMARKS
						Preservatives Used	None		HCl									
						Analysis/ Method Required (3)												
11	MW 50	2-24-14	1554	GW	1	G	X											
12	System Discharge	2-24-14	1612	GW	4	G	X	X	X	X	X							

(5)

Relinquished By:	Date	Time	Received By:
(1) R. Beam	2-25-14	1035	D. Broome
(2) D. Broome	"	1315	Robert Phillips
(3)			
(4)			

(4)

Requested Turnaround Time
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 1
Custody Seal: Abs
Ice Present: Pres Temp: 5°C
Shipping Carrier: TTS

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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14022506	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	02/25/2014 01:15:00 PM
Project Name	Chester River Hospital Center	**Delivered By**	Trans Time Express
Project Number	4630	**Tracking No**	Not Applicable
Disposal Date	04/01/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	5
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	R. Beam & T. Trumb
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
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 15

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

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: Robyn Rhudy — Date: 02/25/2014

PM Review and Approval: Lynn Jackson — Date: 02/25/2014

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14032518

Project Manager: Andrew Bullen
Project Name : Chester River Hospital Center
Project Location: Chestertown, MD
Project ID : 4630

April 1, 2014

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
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410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

April 1, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14032518**
Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID.: 4630

Dear Andrew Bullen :

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 **14032518**.

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 April 29, 2014. 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: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14032518

Project ID: 4630

The following samples were received under chain of custody by Phase Separation Science (PSS) on 03/25/2014 at 01:20 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14032518-001	MW-16	GROUND WATER	03/24/14 13:30
14032518-002	MW-19	GROUND WATER	03/24/14 14:45
14032518-003	MW-20	GROUND WATER	03/24/14 15:08
14032518-004	MW-24	GROUND WATER	03/24/14 13:10
14032518-005	MW-33	GROUND WATER	03/24/14 13:50
14032518-006	MW-34	GROUND WATER	03/24/14 14:15
14032518-007	MW-35	GROUND WATER	03/24/14 14:25
14032518-008	MW-48	GROUND WATER	03/24/14 15:32
14032518-009	MW-49	GROUND WATER	03/24/14 15:58

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)].

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. 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
LDBA MWAA LD1997-0041-2015

OFFICES:
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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: 14032518

Earth Data, Inc, Centerville, MD

April 1, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID: 4630

Sample ID: MW-16 **Date/Time Sampled: 03/24/2014 13:30** **PSS Sample ID: 14032518-001**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 12:17	1040

Sample ID: MW-19 **Date/Time Sampled: 03/24/2014 14:45** **PSS Sample ID: 14032518-002**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 10:12	1040

Sample ID: MW-20 **Date/Time Sampled: 03/24/2014 15:08** **PSS Sample ID: 14032518-003**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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)	**4.4**	mg/L	0.10		1	03/25/14	03/26/14 10:44	1040

Sample ID: MW-24 **Date/Time Sampled: 03/24/2014 13:10** **PSS Sample ID: 14032518-004**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 10:44	1040

Sample ID: MW-33 **Date/Time Sampled: 03/24/2014 13:50** **PSS Sample ID: 14032518-005**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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)	**0.13**	mg/L	0.10		1	03/25/14	03/26/14 11:15	1040

Sample ID: MW-34 **Date/Time Sampled: 03/24/2014 14:15** **PSS Sample ID: 14032518-006**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 11:15	1040

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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: 14032518

Earth Data, Inc, Centerville, MD

April 1, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown, MD
Project ID: 4630

Sample ID: MW-35 **Date/Time Sampled: 03/24/2014 14:25** **PSS Sample ID: 14032518-007**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 11:46	1040

Sample ID: MW-48 **Date/Time Sampled: 03/24/2014 15:32** **PSS Sample ID: 14032518-008**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 11:46	1040

Sample ID: MW-49 **Date/Time Sampled: 03/24/2014 15:58** **PSS Sample ID: 14032518-009**
Matrix: GROUND WATER **Date/Time Received: 03/25/2014 13:20**

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	03/25/14	03/26/14 12:17	1040

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14032518
Project ID: 4630

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.

Sample Receipt:

Sample MW-48 on the COC contianer label reads MW-28. Date and time match and logged in per COC.

Sample Preparation:

Total Petroleum Hydrocarbons - DRO

Preparation Batch: 49688

'Matrix spike/ matrix spike duplicate analyses were not performed due to insufficient sample quantity.'

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): 14032518
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-16	Initial	14032518-001	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 12:17
	MW-19	Initial	14032518-002	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 10:12
	MW-20	Initial	14032518-003	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 10:44
	MW-24	Initial	14032518-004	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 10:44
	MW-33	Initial	14032518-005	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 11:15
	MW-34	Initial	14032518-006	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 11:15
	MW-35	Initial	14032518-007	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 11:46
	MW-48	Initial	14032518-008	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 11:46
	MW-49	Initial	14032518-009	1040	W	49688	112663	03/24/2014	03/25/2014 17:38	03/26/2014 12:17
	49688-1-BKS	BKS	49688-1-BKS	1040	W	49688	112663	--------	03/25/2014 17:38	03/26/2014 08:07
	49688-1-BLK	BLK	49688-1-BLK	1040	W	49688	112663	--------	03/25/2014 17:38	03/26/2014 09:10
	49688-1-BSD	BSD	49688-1-BSD	1040	W	49688	112663	--------	03/25/2014 17:38	03/26/2014 08:38

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/01/2014

Work Order #: 14032518 **Project ID:** 4630

Lab Batch #: 112663 **Sample:** 49688-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/26/2014 08:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.749	1.00	75	37-136	

Lab Batch #: 112663 **Sample:** 49688-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/26/2014 08:38

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.783	1.00	78	37-136	

Lab Batch #: 112663 **Sample:** 49688-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/26/2014 09:10

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.725	1.00	72	37-136	

Lab Batch #: 112663 **Sample:** 14032518-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 10:12

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.780	1.00	78	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/01/2014

Work Order #: 14032518 **Project ID:** 4630

Lab Batch #: 112663 **Sample:** 14032518-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 10:44

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.890	1.00	89	37-136	

Lab Batch #: 112663 **Sample:** 14032518-004 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 10:44

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.610	1.00	61	37-136	

Lab Batch #: 112663 **Sample:** 14032518-005 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 11:15

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.750	1.00	75	37-136	

Lab Batch #: 112663 **Sample:** 14032518-006 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 11:15

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.820	1.00	82	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/01/2014

Work Order #: 14032518 **Project ID:** 4630

Lab Batch #: 112663 **Sample:** 14032518-007 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 11:46

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.770	1.00	77	37-136	

Lab Batch #: 112663 **Sample:** 14032518-008 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 11:46

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.730	1.00	73	37-136	

Lab Batch #: 112663 **Sample:** 14032518-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 12:17

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.680	1.00	68	37-136	

Lab Batch #: 112663 **Sample:** 14032518-009 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03/26/2014 12:17

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.730	1.00	73	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14032518

Earth Data, Inc, Centerville, MD

Chester River Hospital Center

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C

Matrix: **WATER**

Sample Id: **49688-1-BLK** Lab Sample Id: **49688-1-BLK**

Date Analyzed: Mar-26-14 09:10 Analyst: 1040 Date Prep: Mar-25-14 17:38 Tech: 1054

Seq Number: 112663

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

LCS/LCSD Recoveries

Project Name: Chester River Hospital Center

Work Order #: 14032518 **Project ID:** 4630

Prep Batch #: 49688 **Date Prepared:** 03/25/2014 17:38 **Sample:** 49688-1-BKS **Analyst:** 1040

Lab Batch ID: 112663 **Date Analyzed:** 03/26/2014 08:07 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

Total Petroleum Hydrocarbons - DRO	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.7798	78	1.000	0.7660	77	2	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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6630 Baltimore National Pike
Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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: Earth Data Inc. OFFICE LOC. Centreville MD
PROJECT MGR: Andrew Bullen PHONE NO.: (410) 758-8160
EMAIL: abullen@earthdatainc.com FAX NO.: (410) 758-8168
PROJECT NAME: Chester River Hospital Center PROJECT NO.: 4630
SITE LOCATION: Chestertown, MD. P.O. NO.:
SAMPLERS: R. Beam, S. Dustin

PSS Work Order #: 1403 2518 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: None	Analysis/ Method Required (3): TPH-DRO	REMARKS
1	MW-16	3-24-14	1330	GW	1	G		X	
2	MW-19	3-24-14	1445	GW	1	G		X	
3	MW-20	3-24-14	1508	GW	1	G		X	
4	MW-24	3-24-14	1310	GW	1	G		X	
5	MW-33	3-24-14	1350	GW	1	G		X	
6	MW-34	3-24-14	1415	GW	1	G		X	
7	MW-35	3-24-14	1425	GW	1	G		X	
8	MW-48	3-24-14	1532	GW	1	G		X	
9	MW-49	3-24-14	1558	GW	1	G		X	

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	3-25-14	1012	S. Dustin
(2) S. Dustin	"	1320	[illegible]
(3)			
(4)			

(4)
Requested Turnaround Time: ☒ 5-Day ☐ 3-Day ☐ 2-Day ☐ Next Day ☐ Emergency ☐ Other
Data Deliverables Required:
Special Instructions:
# of Coolers: 2
Custody Seal: Abs
Ice Present: Yes Temp: 3.5°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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14032518	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	03/25/2014 01:20:00 PM
Project Name	Chester River Hospital Center	**Delivered By**	Trans Time Express
Project Number	4630	**Tracking No**	Not Applicable
Disposal Date	04/29/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers 2

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	3
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		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. Beam & S. Dusti
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 9

Total No. of Containers Received 9

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

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14032518	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	03/25/2014 01:20:00 PM
Project Name	Chester River Hospital Center	**Delivered By**	Trans Time Express
Project Number	4630	**Tracking No**	Not Applicable
Disposal Date	04/29/2014	**Logged In By**	Robyn Rhudy

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.

Sample MW-48 on the COC contianer label reads MW-28. Date and time match and logged in per COC.

Samples Inspected/Checklist Completed By: Robyn Rhudy — Date: 03/25/2014

PM Review and Approval: Lynn Jackson — Date: 03/26/2014

Analytical Report for

Earth Data, Inc

Certificate of Analysis No.: 14033109

Project Manager: Andrew Bullen
Project Name : Chester River Hospital Center
Project Location: Chestertown MD
Project ID : 4630

April 7, 2014

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.

April 7, 2014

Andrew Bullen
Earth Data, Inc
131 Comet Drive
Centerville, MD 21617

Reference: PSS Work Order(s) No: **14033109**
Project Name: Chester River Hospital Center
Project Location: Chestertown MD
Project ID.: 4630

Dear Andrew Bullen :

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 **14033109**.

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 May 5, 2014. 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: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14033109

Project ID: 4630

The following samples were received under chain of custody by Phase Separation Science (PSS) on 03/31/2014 at 03:25 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14033109-001	MW-15	GROUND WATER	03/28/14 13:09
14033109-002	MW-50	GROUND WATER	03/28/14 13:38
14033109-003	System Discharge	GROUND WATER	03/28/14 13:30

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)].

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 LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. 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
LDBA MWAA LD1997-0041-2015

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ROUTE 40 WEST
BALTIMORE, MD 21228
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14033109

Earth Data, Inc, Centerville, MD

April 7, 2014

Project Name: Chester River Hospital Center
Project Location: Chestertown MD
Project ID: 4630

Sample ID: MW-15 **Date/Time Sampled: 03/28/2014 13:09** **PSS Sample ID: 14033109-001**
Matrix: GROUND WATER **Date/Time Received: 03/31/2014 15:25**

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	04/01/14	04/01/14 19:06	1040

Sample ID: MW-50 **Date/Time Sampled: 03/28/2014 13:38** **PSS Sample ID: 14033109-002**
Matrix: GROUND WATER **Date/Time Received: 03/31/2014 15:25**

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	04/01/14	04/01/14 19:37	1040

Sample ID: System Discharge **Date/Time Sampled: 03/28/2014 13:30** **PSS Sample ID: 14033109-003**
Matrix: GROUND WATER **Date/Time Received: 03/31/2014 15:25**

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)	**0.13**	mg/L	0.10		1	04/01/14	04/01/14 19:37	1040

BTEX MTBE TBA Naphthalene — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Butyl alcohol	ND	ug/L	20		1	04/02/14	04/02/14 20:04	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011
Benzene	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011
Toluene	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011
Ethylbenzene	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/02/14	04/02/14 20:04	1011
o-Xylene	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011
Naphthalene	ND	ug/L	1.0		1	04/02/14	04/02/14 20:04	1011

Case Narrative Summary

Client Name: Earth Data, Inc

Project Name: Chester River Hospital Center

Work Order Number(s): 14033109
Project ID: 4630

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.

Sample Receipt:

All sample receipt conditions were acceptable.

Sample Preparation:

Total Petroleum Hydrocarbons - DRO

Preparation Batch: 49792

'Matrix spike/ matrix spike duplicate analyses were not performed due to insufficient sample quantity.'

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): 14033109
Report Prepared For: Earth Data, Inc, Centerville, MD
Project Name: Chester River Hospital Center
Project Manager: Andrew Bullen

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8015 C	MW-15	Initial	14033109-001	1040	W	49792	112841	03/28/2014	04/01/2014 06:52	04/01/2014 19:06
	MW-50	Initial	14033109-002	1040	W	49792	112841	03/28/2014	04/01/2014 06:52	04/01/2014 19:37
	System Discharge	Initial	14033109-003	1040	W	49792	112841	03/28/2014	04/01/2014 06:52	04/01/2014 19:37
	49792-1-BKS	BKS	49792-1-BKS	1040	W	49792	112841	--------	04/01/2014 06:52	04/01/2014 10:07
	49792-1-BLK	BLK	49792-1-BLK	1040	W	49792	112841	--------	04/01/2014 06:52	04/01/2014 10:07
	49792-1-BSD	BSD	49792-1-BSD	1040	W	49792	112841	--------	04/01/2014 06:52	04/01/2014 10:38
SW-846 8260 B	System Discharge	Initial	14033109-003	1011	W	49839	112873	03/28/2014	04/02/2014 13:00	04/02/2014 20:04
	49839-1-BKS	BKS	49839-1-BKS	1011	W	49839	112873	--------	04/02/2014 13:00	04/02/2014 12:37
	49839-1-BLK	BLK	49839-1-BLK	1011	W	49839	112873	--------	04/02/2014 13:00	04/02/2014 15:36
	System Discharge S	MS	14033109-003 S	1011	W	49839	112873	03/28/2014	04/02/2014 13:00	04/02/2014 22:02
	System Discharge SD	MSD	14033109-003 SD	1011	W	49839	112873	03/28/2014	04/02/2014 13:00	04/02/2014 22:31

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/07/2014

Work Order #: 14033109 **Project ID:** 4630

Lab Batch #: 112841 **Sample:** 49792-1-BKS / BKS **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/01/2014 10:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.872	1.00	87	37-136	

Lab Batch #: 112841 **Sample:** 49792-1-BLK / BLK **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/01/2014 10:07

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.951	1.00	95	37-136	

Lab Batch #: 112841 **Sample:** 49792-1-BSD / BSD **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/01/2014 10:38

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.898	1.00	90	37-136	

Lab Batch #: 112841 **Sample:** 14033109-001 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 04/01/2014 19:06

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	101	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/07/2014

Work Order #: 14033109 **Project ID:** 4630

Lab Batch #: 112841 **Sample:** 14033109-002 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 04/01/2014 19:37

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	0.960	1.00	96	37-136	

Lab Batch #: 112841 **Sample:** 14033109-003 / SMP **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 04/01/2014 19:37

Total Petroleum Hydrocarbons - DRO Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
o-Terphenyl	1.00	1.00	103	37-136	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/07/2014

Work Order #: 14033109 **Project ID:** 4630

Lab Batch #: 112873 **Sample:** 49839-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/02/2014 12:37

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	48.9	50.00	98	84-110	
Toluene-D8	48.9	50.00	98	94-109	
4-Bromofluorobenzene	46.2	50.00	92	81-133	

Lab Batch #: 112873 **Sample:** 49839-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/02/2014 15:36

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	48.2	50.00	96	94-109	
4-Bromofluorobenzene	49.9	50.00	100	81-133	

Lab Batch #: 112873 **Sample:** 14033109-003 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 04/02/2014 20:04

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	48.0	50.00	96	94-109	
4-Bromofluorobenzene	49.0	50.00	98	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Chester River Hospital Center

04/07/2014

Work Order #: 14033109 **Project ID:** 4630

Lab Batch #: 112873 **Sample:** 14033109-003 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 04/02/2014 22:02

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.1	50.00	98	84-110	
Toluene-D8	48.8	50.00	98	94-109	
4-Bromofluorobenzene	46.8	50.00	94	81-133	

Lab Batch #: 112873 **Sample:** 14033109-003 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 04/02/2014 22:31

BTEX MTBE TBA Naphthalene Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.5	50.00	99	84-110	
Toluene-D8	48.8	50.00	98	94-109	
4-Bromofluorobenzene	48.2	50.00	96	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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

Blank Summary 14033109

Earth Data, Inc, Centerville, MD

Chester River Hospital Center

Analytical Method: **SW-846 8015 C** Prep Method: SW3510C

Matrix: **WATER**

Sample Id: **49792-1-BLK** Lab Sample Id: **49792-1-BLK**

Date Analyzed: Apr-01-14 10:07 Analyst: 1040 Date Prep: Apr-01-14 06:52 Tech: 1028

Seq Number: 112841

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-DRO (Diesel Range Organics)	C10C28DRO	ND	0.1000	0.04000	mg/L	U	1

Blank Summary 14033109

Earth Data, Inc, Centerville, MD

Chester River Hospital Center

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **49839-1-BLK** Lab Sample Id: **49839-1-BLK**

Date Analyzed: Apr-02-14 15:36 Analyst: 1011 Date Prep: Apr-02-14 13:00 Tech: 1011
Seq Number: 112873

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
tert-Butyl alcohol	75-65-0	ND	20.00	10.00	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: Chester River Hospital Center

Work Order #: 14033109 **Project ID:** 4630

Prep Batch #: 49839 **Date Prepared:** 04/02/2014 13:00 **Sample ID:** 49839-1-BKS **Matrix:** Water

Lab Batch ID: 112873 **Date Analyzed:** 04/02/2014 15:36 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX MTBE TBA Naphthalene Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
tert-Butyl alcohol	<20.00	50.00	55.76	112	15-150		0-215
Methyl-t-butyl ether	<1.000	50.00	50.83	102	30-168		7-190
Benzene	<1.000	50.00	43.81	88	77-122		70-130
Toluene	<1.000	50.00	45.13	90	77-123		70-130
Ethylbenzene	<1.000	50.00	49.17	98	79-122		72-130
m,p-Xylenes	<2.000	100	97.81	98	78-119		72-125
o-Xylene	<1.000	50.00	49.48	99	79-123		72-131
Naphthalene	<1.000	50.00	48.64	97	46-154		28-172

Blank Spike Recovery [D] = 100*(([C])/[B])

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: Chester River Hospital Center

Work Order #: 14033109 **Project ID:** 4630

Prep Batch #: 49792 **Date Prepared:** 04/01/2014 06:52 **Sample:** 49792-1-BKS **Analyst:** 1040

Lab Batch ID: 112841 **Date Analyzed:** 04/01/2014 10:07 **Method:** SW3510C / SW8015DRO **Matrix:** Water

Units: mg/L

Total Petroleum Hydrocarbons - DRO	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
TPH-DRO (Diesel Range Organics)	<0.1000	1.000	0.8916	89	1.000	0.9560	96	7	61-119	20	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD 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: Earth Data Inc OFFICE LOC. Centreville MD

PROJECT MGR: Andrew Bullen PHONE NO.: (410) 758-8160

EMAIL: abullen@earthdatainc.com FAX NO.: (410) 758-8168

PROJECT NAME: Chester River Hospital Center PROJECT NO.: 4630

SITE LOCATION: Chestertown MD P.O. NO.:

SAMPLERS: R. Beam

PSS Work Order #: 14033109 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: NONE	HCL											REMARKS
							Analysis/ Method Required (3): TPH-DRO	BTEX, MTBE, TBA, Naphthalene											
1	MW-15	3-28-14	1309	GW	1	G	X												
2	MW-50	3-28-14	1338	GW	1	G	X												
3	System Discharge	3-28-14	1330	GW	4	G	X	X											

(5)

Relinquished By:	Date	Time	Received By:
(1) Robert Beam	3-31-14	1235	D Broome
(2) D. Broome	"	1525	Ruby [illegible]
(3)			
(4)			

(4)

Requested Turnaround Time
☒ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:

Special Instructions:

# of Coolers: 1
Custody Seal: Abs
Ice Present: Yes Temp: 6°C
Shipping Carrier: TTF

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.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14033109	**Received By**	Robyn Rhudy
Client Name	Earth Data, Inc	**Date Received**	03/31/2014 03:25:00 PM
Project Name	Chester River Hospital Center	**Delivered By**	Trans Time Express
Project Number	4630	**Tracking No**	Not Applicable
Disposal Date	05/05/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers 1

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	6
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	R. Beam
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 3

Total No. of Containers Received 12

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

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: Robyn Rhudy — Date: 03/31/2014

PM Review and Approval: Amy Friedlander — Date: 03/31/2014

APPENDIX B

WELL GAUGING & FIELD REPORTS

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #: **2781**

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

DATE: **30-Jan-2014**
WEATHER: **10 F**
COLLECTED BY: **RB, TT**
ENTERED BY: **RB**

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		47.96		9.09	9.09	sampled
MW-2	Lip of Casing	56.37		47.47		8.90	8.90	sampled
MW-3	Lip of Casing	50.55		42.00		8.55	8.55	sampled
MW-4	Lip of Casing	53.40		44.51		8.89	8.89	sampled
MW-5	Lip of Casing	61.08		51.93		9.15	9.15	sampled
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	46.10		39.47		6.63	6.63	sampled
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		41.86		6.84	6.84	sampled
MW-11	Lip of Casing	41.49		34.86		6.63	6.63	sampled
MW-12	Lip of Casing	44.46		37.00		7.46	7.46	sampled
MW-13	Lip of Casing	41.70		36.15		5.55	5.55	sampled
MW-14	Lip of Casing	41.38	36.74	36.74	0.00	4.64	4.64	sheen, sampled
MW-15	Lip of Casing	35.01		28.78		6.23	6.23	sampled
MW-16	Lip of Casing	35.55		29.62		5.93	5.93	sampled
MW-17	Lip of Casing	35.49		28.95		6.54	6.54	sampled
MW-18	Lip of Casing	35.82		30.05		5.77	5.77	sampled
MW-19	Lip of Casing	38.85		33.23		5.62	5.62	sampled
MW-20	Lip of Casing	38.72		33.29		5.43	5.43	sampled
MW-21	Lip of Casing	38.55		31.22		7.33	7.33	sampled
MW-22	Lip of Casing	47.04	44.14	44.14	0.00	2.90	2.90	sheen, sampled
MW-23	Lip of Casing	35.95		30.23		5.72	5.72	sampled
MW-24	Lip of Casing	36.56		30.57		5.99	5.99	sampled
MW-25	Lip of Casing	36.10		30.04		6.06	6.06	sampled
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		29.64		6.26	6.26	sampled
MW-29	Lip of Casing	35.15		29.57		5.58	5.58	sampled
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		39.89		7.51	7.51	sampled
MW-32	Lip of Casing	47.41		40.65		6.76	6.76	sampled
MW-33	Lip of Casing	36.52		30.69		5.83	5.83	sampled
MW-34	Lip of Casing	36.64		30.82		5.82	5.82	sampled
MW-35	Lip of Casing	38.62		32.61		6.01	6.01	sampled
MW-37	Lip of Casing	50.54		41.97		8.57	8.57	sheen, sampled
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	43.23	43.23	0.00	-2.69	-2.69	film, sampled
RW-3B	Lip of Casing	39.45	40.68	40.72	0.04	-1.23	-1.24	recovered approx. 0.1 gal product w/ product pump; film remained, sampled
MW-40	Lip of Casing	48.98		42.48		6.50	6.50	sampled
MW-41	Lip of Casing	42.92		37.41		5.51	5.51	sampled
RW-4	Lip of Casing	48.18	44.90	44.90	0.00	3.28	3.28	film, sampled
RW-5	Lip of Casing	43.34	41.75	41.75	0.00	1.59	1.59	film, sampled
RW-6	Lip of Casing	47.22	39.58	39.58	0.00	7.64	7.64	sheen
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
MP-2B	Lip of Casing			34.69				
RW-2C	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
RW-3A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
MP-3A	Lip of Casing			34.15				
MW-42	Lip of Casing	46.15		39.32		6.83	6.83	sampled
MW-43	Lip of Casing	48.03		41.75		6.28	6.28	sampled
MW-44	Lip of Casing	47.46		40.20		7.26	7.26	sampled
MW-45	Lip of Casing	40.91		34.76		6.15	6.15	sampled
MW-46	Lip of Casing	41.08		36.20		4.88	4.88	sampled
MW-47	Lip of Casing	40.74				--------	--------	under construction equipment - not gauged
MW-48	Lip of Casing	36.22		30.15		6.07	6.07	sampled
MW-49	Lip of Casing	35.49		29.48		6.01	6.01	sampled
MW-50	Lip of Casing	35.64		29.70		5.94	5.94	sampled
IW-1	Lip of Casing	--------		38.25		--------	--------	not gauged no access

Project Name:	**Chester River Hospital Center**	Date:	**30-Jan-2014**
Project #:	**2781**	Time on - site:	**8:00 AM**
Location:	**Chestertown, Maryland**	Weather:	**10 F**
Personnel present at site:	**RB, TT**	Vehicle:	**98 Ranger**

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)	☑	☐	☐	Semi-Annually sampling of all wells
	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	☑	☐	☐	

Comments Observations

Monthly gauging of all wells
Semi-Annually sampling of all wells
Recovered approx. 0.1 gal product from RW-3B with product pump and film remained
MW-12, MW-17, and MW-21 were sampled on 02-01-14
RW-6 was not sampled

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #: **4630**
PROJECT: **Chester River Hospital Center**
LOCATION: **Chestertown, Maryland**

DATE: **4-Mar-2014**
WEATHER: **32 F**
COLLECTED BY: **RB, HW**
ENTERED BY: **RB**

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		47.70		9.35	9.35	
MW-2	Lip of Casing	56.37				--------	--------	Not gauged under large snow bank
MW-3	Lip of Casing	50.55				--------	--------	Not gauged water running into man hole from snow melt
MW-4	Lip of Casing	53.40		44.76		8.64	8.64	
MW-5	Lip of Casing	61.08				--------	--------	Gate locked no access
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	47.60				--------	--------	Well abandoned, Aug. 2013
MW-9	Lip of Casing	46.10		40.11		5.99	5.99	
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		42.00		6.70	6.70	
MW-11	Lip of Casing	41.49		34.80		6.69	6.69	
MW-12	Lip of Casing	44.46		37.45		7.01	7.01	
MW-13	Lip of Casing	41.70		36.23		5.47	5.47	
MW-14	Lip of Casing	41.38	36.83	36.83	0.00	4.55	4.55	Film
MW-15	Lip of Casing	35.01		28.47		6.54	6.54	
MW-16	Lip of Casing	35.55				--------	--------	Not gauged manhole frozen well incased in ice
MW-17	Lip of Casing	35.49		28.65		6.84	6.84	
MW-18	Lip of Casing	35.82		29.60		6.22	6.22	
MW-19	Lip of Casing	38.85		33.20		5.65	5.65	
MW-20	Lip of Casing	38.72		33.29		5.43	5.43	
MW-21	Lip of Casing	38.55		32.20		6.35	6.35	
MW-22	Lip of Casing	47.04	44.42	44.42	0.00	2.62	2.62	Film
MW-23	Lip of Casing	35.95		29.83		6.12	6.12	
MW-24	Lip of Casing	36.56		30.34		6.22	6.22	
MW-25	Lip of Casing	36.10		29.68		6.42	6.42	
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		29.13		6.77	6.77	
MW-29	Lip of Casing	35.15		29.02		6.13	6.13	
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		39.91		7.49	7.49	
MW-32	Lip of Casing	47.41		40.29		7.12	7.12	
MW-33	Lip of Casing	36.52		30.55		5.97	5.97	
MW-34	Lip of Casing	36.64		30.68		5.96	5.96	
MW-35	Lip of Casing	38.62		32.52		6.10	6.10	
MW-37	Lip of Casing	50.54				--------	--------	Not gauged no access
MW-38	Lip of Casing	--------	--------	--------	--------	--------	--------	pump stuck in well - not able to gauge
RW-1B	Lip of Casing	46.71				--------	--------	Well abandoned, Sept. 2013
RW-2D	Lip of Casing	40.54	43.66	43.66	0.00	-3.12	-3.12	Sheen
RW-3B	Lip of Casing	39.45	41.28	41.30	0.02	-1.83	-1.83	
MW-40	Lip of Casing	48.98		42.52		6.46	6.46	
MW-41	Lip of Casing	42.92	37.79	37.79	0.00	5.13	5.13	Film
RW-4	Lip of Casing	48.18	45.09	45.09	0.00	3.09	3.09	Sheen
RW-5	Lip of Casing	43.34	42.31	42.31	0.00	1.03	1.03	Film
RW-6	Lip of Casing	47.22	47.37	47.37	0.00	-0.15	-0.15	
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
MP-2B	Lip of Casing			34.82				
RW-2C	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
RW-3A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
MP-3A	Lip of Casing		34.65	34.65				Sheen
MW-42	Lip of Casing	46.15		40.05		6.10	6.10	
MW-43	Lip of Casing	48.03		42.06		5.97	5.97	
MW-44	Lip of Casing	47.46		40.23		7.23	7.23	
MW-45	Lip of Casing	40.91		34.74		6.17	6.17	
MW-46	Lip of Casing	41.08		36.14		4.94	4.94	
MW-47	Lip of Casing	40.74				--------	--------	under construction equipment - not gauged
MW-48	Lip of Casing	36.22		29.94		6.28	6.28	
MW-49	Lip of Casing	35.49		29.20		6.29	6.29	
MW-50	Lip of Casing	35.64		29.45		6.19	6.19	
IW-1	Lip of Casing	--------				--------	--------	not gauged no access

Project Name:	**Chester River Hospital Center**	Date:	**24-Feb-2014**
Project #:	**4630**	Time on - site:	**10:00 AM**
Location:	**Chestertown, Maryland**	Weather:	**40 F**
Personnel present at site:	**RB, TT**	Vehicle:	**98 Ranger**

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)	☑	☐	☐	Monthly sampling of 11 wells south of Brown st
	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	☑	☐	☐	

Comments Observations

Monthly sampling of 11 downgradient wells for TPH-DRO; also sampled system discharge
Replaced bag filters
Gauged only the wells Sampled
Reinstalled pump in RW-6

PETROLEUM PRODUCT / WATER - LEVEL DATA SHEET

W.O. #: **4630**
DATE: **24-Mar-2014**
WEATHER: **35 F**
PROJECT: **Chester River Hospital Center**
COLLECTED BY: **RB, SD**
LOCATION: **Chestertown, Maryland**
ENTERED BY: **RB**

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				--------	--------	Not gauged under truck
MW-2	Lip of Casing	56.37		48.02		8.35	8.35	
MW-3	Lip of Casing	50.55		42.31		8.24	8.24	
MW-4	Lip of Casing	53.40		44.65		8.75	8.75	
MW-5	Lip of Casing	61.08				--------	--------	Gate locked no access
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	46.10		39.97		6.13	6.13	
MW-10	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2012
MW-10R	Lip of Casing	48.70		41.85		6.85	6.85	
MW-11	Lip of Casing	41.49		34.66		6.83	6.83	
MW-12	Lip of Casing	44.46		37.32		7.14	7.14	
MW-13	Lip of Casing	41.70		36.05		5.65	5.65	
MW-14	Lip of Casing	41.38	36.67	36.67	0.00	4.71	4.71	Film
MW-15	Lip of Casing	35.01		28.21		6.80	6.80	sampled 3-28-14
MW-16	Lip of Casing	35.55		29.24		6.31	6.31	sampled 3-24-14
MW-17	Lip of Casing	35.49		28.45		7.04	7.04	
MW-18	Lip of Casing	35.82		29.35		6.47	6.47	
MW-19	Lip of Casing	38.85		33.06		5.79	5.79	sampled 3-24-14
MW-20	Lip of Casing	38.72		33.13		5.59	5.59	sampled 3-24-14
MW-21	Lip of Casing	38.55		32.05		6.50	6.50	
MW-22	Lip of Casing	47.04	44.01	44.01	0.00	3.03	3.03	Film
MW-23	Lip of Casing	35.95		29.60		6.35	6.35	
MW-24	Lip of Casing	36.56		30.19		6.37	6.37	
MW-25	Lip of Casing	36.10		29.47		6.63	6.63	
MW-27	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Nov 2006
MW-28	Lip of Casing	35.90		28.87		7.03	7.03	
MW-29	Lip of Casing	35.15		28.75		6.40	6.40	
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		39.79		7.61	7.61	
MW-32	Lip of Casing	47.41		40.53		6.88	6.88	
MW-33	Lip of Casing	36.52		30.42		6.10	6.10	sampled 3-24-14
MW-34	Lip of Casing	36.64		30.51		6.13	6.13	sampled 3-24-14
MW-35	Lip of Casing	38.62		32.35		6.27	6.27	sampled 3-24-14
MW-37	Lip of Casing	50.54	42.13	42.13	0.00	8.41	8.41	Sheen
MW-38	Lip of Casing	--------	--------	--------	--------	--------	--------	pump stuck in well - not able to gauge
RW-1B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned, Sept. 2013
RW-2D	Lip of Casing	40.54	43.30	43.30	0.00	-2.76	-2.76	Sheen
RW-3B	Lip of Casing	39.45	41.10	41.40	0.30	-1.65	-1.71	
MW-40	Lip of Casing	48.69		42.33		6.36	6.36	
MW-41	Lip of Casing	42.92	37.61	37.61	0.00	5.31	5.31	Sheen
RW-4	Lip of Casing	48.15				--------	--------	Covered by constuction equipment
RW-5	Lip of Casing	43.34	43.58	43.58	0.00	-0.24	-0.24	Film
RW-6	Lip of Casing	47.22	47.28	47.28	0.00	-0.06	-0.06	Sheen
RW-2A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
RW-2B	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Mar 2008
MP-2B	Lip of Casing		34.65	34.65				Sheen
RW-2C	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
RW-3A	Lip of Casing	--------	--------	--------	--------	--------	--------	Well abandoned Sep 2003
MP-3A	Lip of Casing			33.99				Sheen
MW-42	Lip of Casing	46.15		39.91		6.24	6.24	
MW-43	Lip of Casing	47.90		41.85		6.05	6.05	
MW-44	Lip of Casing	47.20		40.12		7.08	7.08	
MW-45	Lip of Casing	40.91		34.60		6.31	6.31	
MW-46	Lip of Casing	41.08	36.02	36.02	0.00	5.06	5.06	Sheen
MW-47	Lip of Casing	40.74				--------	--------	under construction equipment - not gauged
MW-48	Lip of Casing	36.22		29.75		6.47	6.47	sampled 3-24-14
MW-49	Lip of Casing	35.49		28.97		6.52	6.52	sampled 3-24-14
MW-50	Lip of Casing	35.64		29.25		6.39	6.39	sampled 3-28-14
IW-1	Lip of Casing	--------				--------	--------	not gauged no access