



July 3, 2025

Mr. Matthew Mueller
Maryland Department of the Environment
Remediation Division
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, Maryland 21230-1719

Via: Email and USPS

**Re: 2025 Second Quarter Status Report
Former Hess Station #20204
1613 East Joppa Road
Towson, Maryland
Case Number 1991-2100 BA**

Dear Mr. Mueller:

Enclosed please find the above-referenced report prepared by Earth Systems, LLC (ES) and submitted on behalf of Hess Corporation. This report summarizes the results of the June 4, 2025 groundwater monitoring and sampling event, as well as groundwater management system vapor screening, operations and maintenance (O&M), and discharge sampling events conducted during the Second Quarter of 2025.

Should you have any questions or require any additional information, please feel free to contact me by telephone at (610) 509-5153 or via email at jfox@earthsys.net. If you have any questions relating to the project, please contact John Schenkewitz of Hess Corporation at (732) 614-0726.

Sincerely,
Earth Systems, LLC

A handwritten signature in blue ink, appearing to read "Jeremy L. Fox". The signature is fluid and cursive, with the first name "Jeremy" and last name "Fox" clearly visible.

Jeremy L. Fox
Operations Manger

Enclosure

cc: J. Schenkewitz, Hess Corporation
T. Jackson, Baker Botts
D. Dugan, PMIG 1026
D. Sarr, WSP
P. Joris, NeighborSpace

2025 SECOND QUARTER STATUS REPORT

FORMER HESS STATION #20204

**1613 East Joppa Road
Towson, Maryland**

Case Number 1991-2100 BA

July 3, 2025

Prepared for:



Hess Corporation

*Trenton-Mercer Airport
1000 Jack Stephan Way
West Trenton, New Jersey 08628*

Prepared By:



*3590 Route 378, Building B
Bethlehem, PA 18015*

INTRODUCTION

The following is the 2025 Second Quarter Site Status Report for Former Hess Station #20204, located at 1613 East Joppa Road in Towson, Maryland. This report includes results from the June 4, 2025 groundwater monitoring and sampling event. Also included in this report are summaries of the groundwater management system vapor screening, operations and maintenance (O&M) activities, and discharge sampling events. **Figure 1** is included as a Site Plan depicting the subject site layout, adjacent properties, the site's below-grade system, as well as all monitoring wells, piezometers, storm drain outlets, and vapor monitoring points bounded by the area known as Ridgely Manor Park. **Tables 1** and **2** include a summary of the groundwater data collected during the monitoring and sampling event. Refer to the **Appendix** for copies of the corresponding laboratory analytical reports.

During the Second Quarter of 2025, continued monthly system vapor screening events, using a photoionization detector (PID), were conducted at the designated vapor monitoring points depicted in **Figure 1**. Additionally, system O&M events were performed on a weekly basis. Post-treatment discharge samples were collected twice monthly from the system's groundwater collection vault. Besides routine system maintenance (e.g. filter bag and carbon changeouts, pump and hose checks, electrical component maintenance, system throughput monitoring, etc.), noteworthy or unusual conditions, such as surficial dissolved iron staining, were not observed. **Tables 3** through **5** summarize the system vapor screening and discharge data.

GENERAL INFORMATION

<u>Site:</u>	Former Hess Station #20204 – Towson, MD (See Figure 1)
<u>Sampling Frequency:</u>	Semi-Annual
<u>Reporting Frequency:</u>	Quarterly
<u>Monitoring Wells/Piezometers Sampled:</u>	MW-4, MW-7, YMW-1 through YMW-4, YMW-8, YP-1, YP-2, YP-5
<u>Monitoring Wells/Piezometers Not Sampled:</u>	MW-1, OW-1, YMW-5, YMW-6, YMW-7, MW-9, YP-3, YP-4, MDE-4
<u>Monitoring Wells/Piezometers Gauged:</u>	MDE-4, MW-7, OW-1, YMW-1 through YMW-9 and YP-1 through YP-5
<u>Monitoring Wells/Piezometers Not Gauged:</u>	MW-1 (inaccessible)
<u>Required Analysis:</u>	Full Scan Volatile Organic Compounds (VOCs) + Fuel Oxygenates by EPA Method 8260C, and Total Petroleum Hydrocarbons- Gasoline Range Organics (TPH-GRO) and Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO) by EPA Method 8015C

SAMPLING DATA

<u>Groundwater Sampling Event:</u>	June 4, 2025
<u>Depth to Groundwater:</u>	2.46 feet (YMW-2) to 20.80 feet (OW-1)
<u>Groundwater Elevation:</u>	428.02 feet (YMW-6) to 434.65 feet (MW-4) (See Tables 1 and 2 and Figure 2)
<u>Groundwater Flow:</u>	Predominantly South/Southeast (See Figure 2)
<u>Liquid Phase Hydrocarbons (LPH)</u>	
<u>Identified:</u>	None
<u>Dissolved Phase Concentrations Reported:</u>	See Table 1 and Figure 3

REMEDIATION DATA

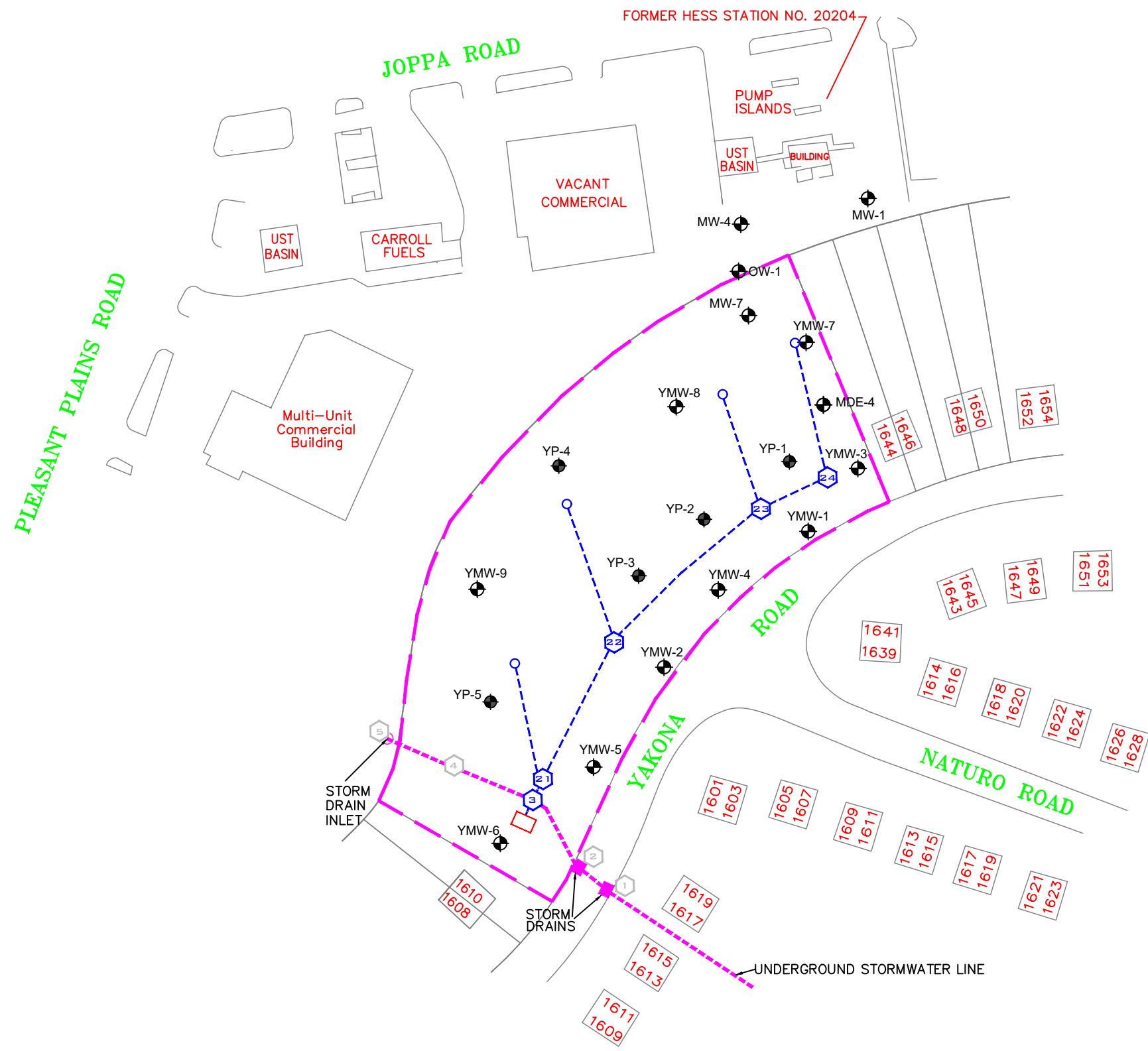
<u>Technology:</u>	Groundwater Collection System
<u>System Start:</u>	May 22, 2014
<u>Waste Stream Treatment:</u>	Groundwater collected within the site's groundwater collection system vault is treated via the use of both liquid phase carbon adsorbers and filter bags prior to being discharged to the adjacent public storm sewer system.
<u>Vapor Screening Frequency:</u>	Monthly
<u>O&M Frequency:</u>	Weekly
<u>Discharge Sampling Frequency:</u>	Twice monthly
<u>System Performance Data:</u>	See Tables 4 and 5

SCHEDULED/PROPOSED WORK

System vapor screening events are scheduled to continue on a monthly basis during the Third Quarter of 2025. System O&M events and discharge sampling events are scheduled to continue weekly and twice monthly, respectively, during the Third Quarter of 2025. Groundwater monitoring and sampling will continue on a semi-annual basis.

ATTACHMENTS

<u>Figure 1:</u>	Site Plan
<u>Figure 2:</u>	Groundwater Elevation & Hydraulic Contour Map (June 4, 2025)
<u>Figure 3:</u>	Hydrocarbon Distribution Map (June 4, 2025)
<u>Table 1:</u>	Historical Groundwater Monitoring Data Summary
<u>Table 2:</u>	Groundwater Gauging Results Summary
<u>Table 3:</u>	Monthly PID Screening Results Summary
<u>Table 4:</u>	Groundwater Treatment System Discharge Summary
<u>Table 5:</u>	Groundwater Treatment System Sampling Results Summary
<u>Appendix:</u>	Laboratory Analytical Reports



LEGEND

- Ridgely Manor Park Boundary
- Groundwater Monitoring Well
- Piezometer
- Groundwater Management System Access Manhole (Vapor Screening Point)
- Stormwater Inlet Callout
- Drainage Piping Cleanout
- Below Grade Groundwater Management System Vault
- Underground Groundwater Management System Drainage Piping

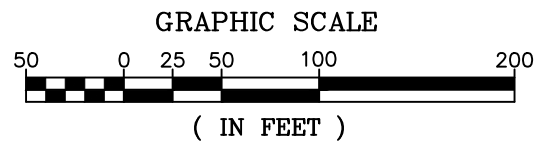
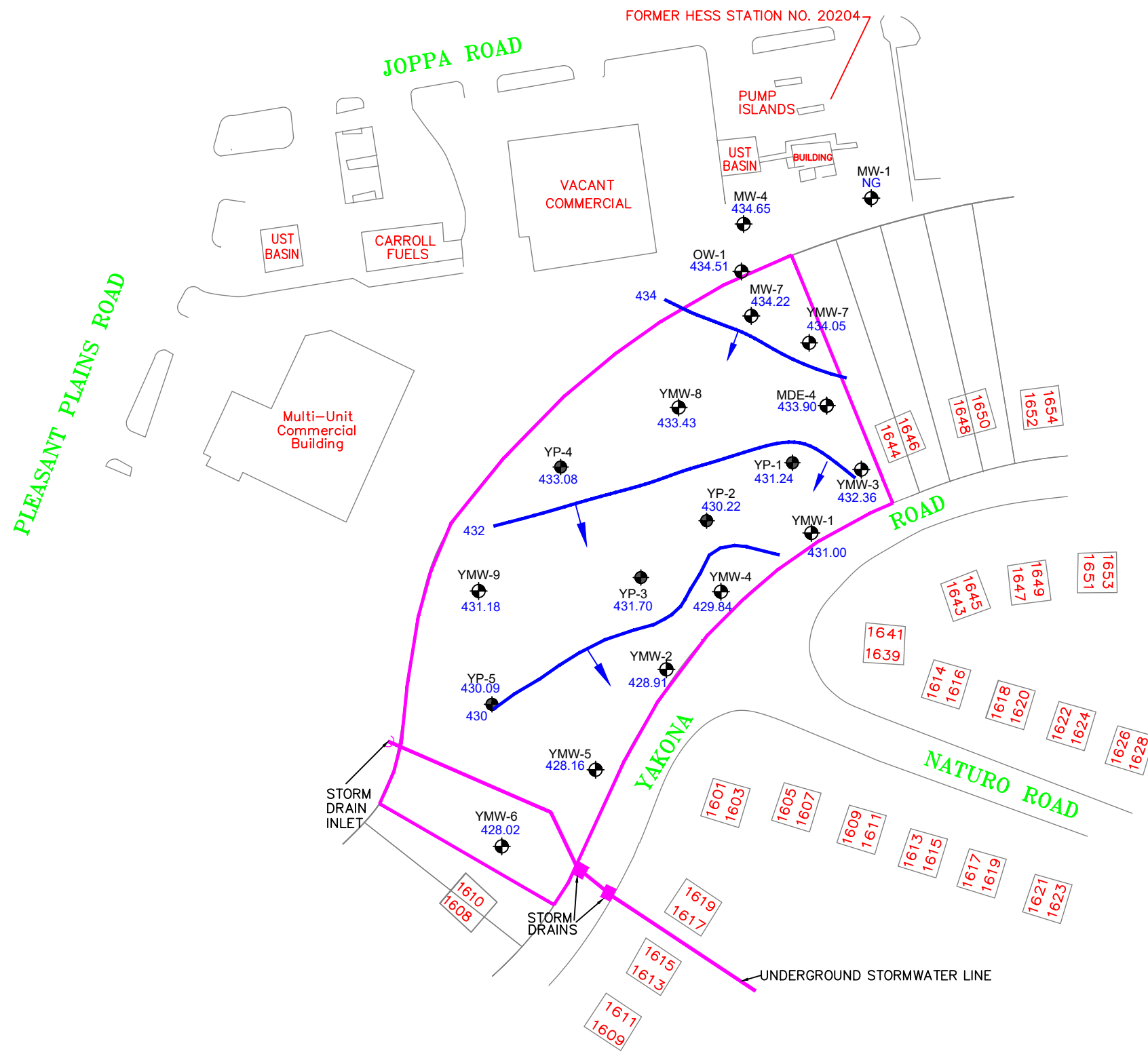


FIGURE 1	
SITE PLAN	
FORMER HESS STATION #20204 1613 East Joppa Road Towson, Maryland	
Drawn By: IGB	
Date: 12/17/21	



LEGEND

- Ridgely Manor Park Boundary
- Groundwater Monitoring Well
- Piezometer
- Groundwater Elevation (In Feet)
- Groundwater Contour Value (In Feet)
- Groundwater Contour Line
- Not Gauged

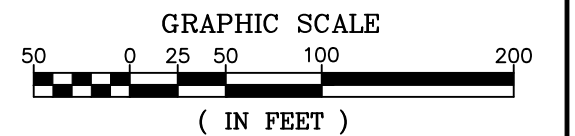
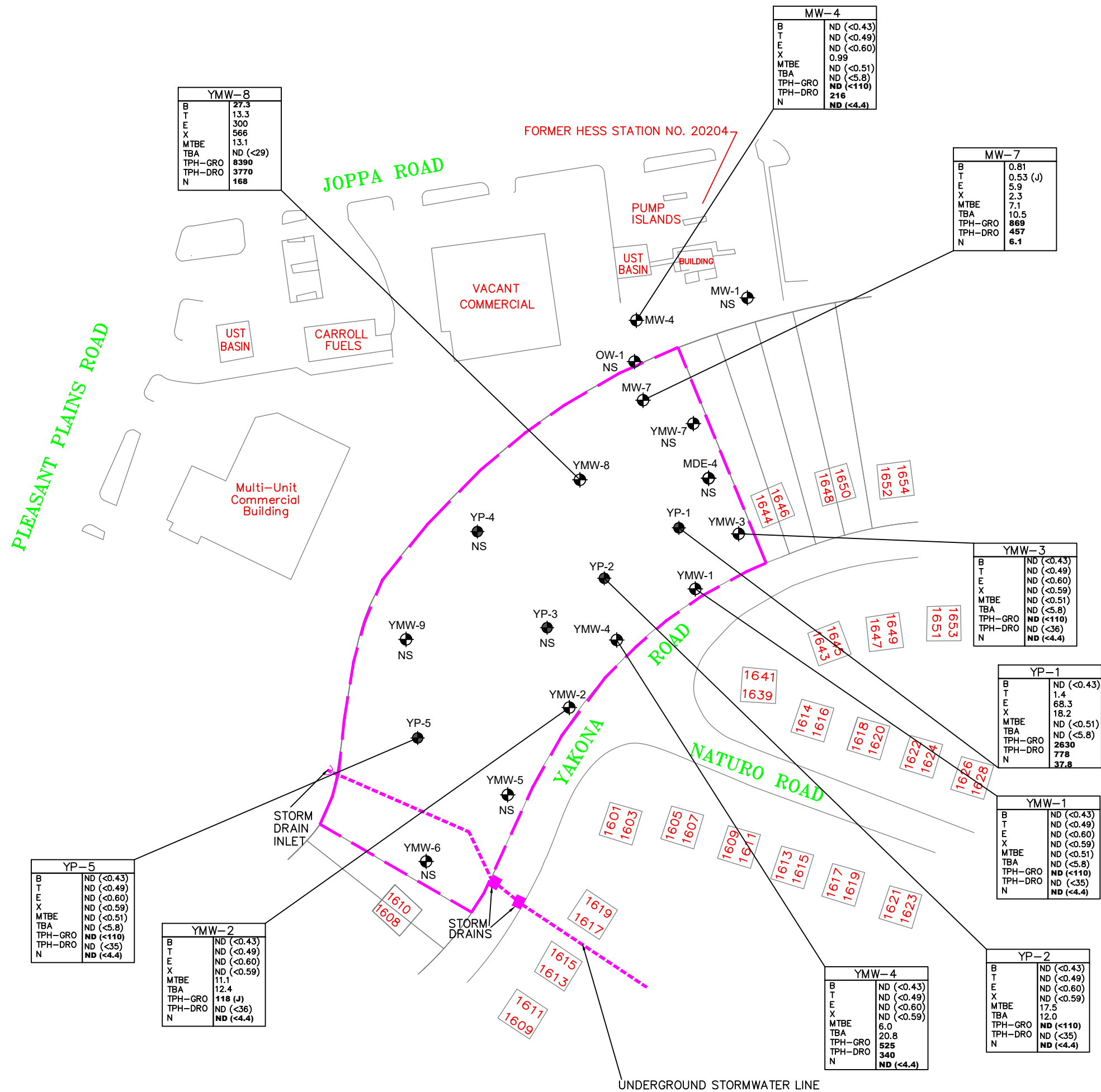


FIGURE 2		
GROUNDWATER ELEVATION & HYDRAULIC CONTOUR MAP (Gauged: 6/4/25)		
FORMER HESS STATION #20204 1613 East Joppa Road Towson, Maryland		
Drawn By:	KF	
Date:	7/1/2025	



LEGEND

- Ridgely Manor Park Boundary
 - ⊕ Groundwater Monitoring Well
 - Piezometer
 - ND Constituent Compound Not Detected
 - NS Not Sampled
 - J Laboratory-Estimated Value
 - B Benzene
 - T Toluene
 - E Ethylbenzene
 - X Total Xylenes
 - MTBE Methyl Tertiary Butyl Ether
 - TBA Tertiary Butyl Alcohol
 - TPH-GRO Total Petroleum Hydrocarbons-Gasoline Range Organics
 - TPH-DRO Total Petroleum Hydrocarbons-Diesel Range Organics
 - N Naphthalene
- All Concentrations Expressed In Micrograms/Liter (µg/L)
- Values Shown In Boldface Type Exceed The Applicable MDE Statewide Health Standard

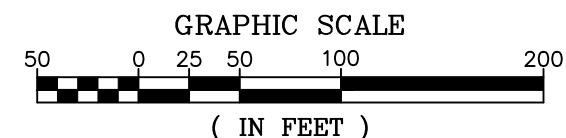


FIGURE 3

HYDROCARBON DISTRIBUTION MAP

(Sampled: 6/4/2025)

FORMER HESS STATION #20204
1613 East Joppa Road
Towson, Maryland

Drawn By: KF

Date: 7/1/2025



Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)	
MDE-4	11/26/1996	NSVD	NM	NM	NM	3	3	ND	ND	6	ND	NS	NS	NS	NS	
	2/27/1997	444.03	5.78	0.00	438.25	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	5/30/1997	444.03	6.20	0.00	437.83	ND	ND	ND	2	2	ND	NS	NS	NS	NS	
	8/21/1997	444.03	7.37	0.00	436.66	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	11/25/1997	444.03	7.42	0.00	436.61	11	642	892	3,050	4,595	69	NS	NS	NS	NS	
Casing: 0 to 3 feet	2/19/1998	444.03	6.01	0.00	438.02	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	5/28/1998	444.03	5.60	0.00	438.43	4	5	4	8	21	ND	NS	NS	NS	NS	
	8/18/1998	444.03	6.68	0.00	437.35	13	10	57	92	172	31	NS	NS	NS	NS	
	11/21/1998	444.03	7.64	0.00	436.39	1	8	31	176	216	57	NS	NS	NS	NS	
	2/17/1999	444.03	7.70	0.00	436.33	3.7	107	193	605	909	39	NS	NS	NS	NS	
Screen: 3 to 13 feet	5/24/1999	444.03	7.02	0.00	437.01	2	ND	ND	ND	2	ND	NS	NS	NS	NS	
	8/26/1999	444.03	7.87	0.00	436.16	24	140	390	750	1,304	44	NS	NS	NS	NS	
	11/18/1999	444.03	6.90	0.00	437.13	ND	500	920	2,850	4,270	ND	NS	NS	NS	NS	
	2/23/2000	444.03	6.50	0.00	437.53	ND	ND	ND	ND	ND	3.9	NS	NS	NS	NS	
	5/17/2000	444.03	6.00	0.00	438.03	ND	ND	2.4	11.7	14.1	30	NS	NS	NS	NS	
***	8/3/2000	444.03	6.48	0.00	437.55	7.7	9	59	101	177	54	NS	NS	NS	NS	
	11/20/2000	444.03	7.15	0.00	436.88	ND	ND	120	242	362	ND	NS	NS	NS	NS	
	2/20/2001	444.03	6.87	0.00	437.16	7.3	7.5	19	81	115	22	NS	NS	NS	NS	
	5/25/2001	444.03	6.66	0.00	437.37	15	8.8	ND	20.3	44	34	NS	NS	NS	NS	
	8/6/2001	444.03	7.26	0.00	436.77	9.7	33	380	1,220	1,643	87	NS	NS	NS	NS	
	11/7/2001	444.03	8.39	0.00	435.64	ND	41	220	760	1,021	120	NS	NS	NS	NS	
	2/22/2002	444.03	8.83	0.00	435.20	12	91	220	1,380	1,703	ND	NS	NS	NS	NS	
	5/16/2002	444.03	6.52	0.00	437.51	ND	27	120	268	415	15	NS	NS	NS	NS	
	8/6/2002	444.03	8.72	0.00	435.31	ND	360	1,100	3,630	5,090	150	NS	NS	NS	NS	
	11/13/2002	444.03	8.23	0.00	435.80	ND	610	1,300	5,900	7,810	ND	NS	NS	NS	NS	
	3/5/2003	444.03	5.43	0.00	438.60	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	5/13/2003	444.03	5.36	0.00	438.67	2.0	ND	ND	2.6	4.6	11	NS	NS	NS	NS	
	8/27/2003	444.03	5.72	0.00	438.31	1.0	ND	1.8	ND	2.8	ND	NS	NS	NS	NS	
	11/12/2003	444.03	6.66	0.00	437.37	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	2/2/2004	444.03	5.39	0.00	438.64	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	
	5/14/2004	444.03	5.24	0.00	438.79	ND	ND	ND	ND	ND	1.7	NS	NS	NS	NS	
	8/19/2004	444.03	5.97	0.00	438.06	ND	ND	ND	ND	ND	26.8	NS	NS	NS	NS	
	5/19/2005	444.03	5.94	0.00	438.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2007	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/2007	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2008	444.03	6.91	0.00	437.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2008	444.03	6.56	0.00	437.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/2008	444.03	7.14	0.00	436.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	444.03	6.53	0.00	437.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2009	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2009	444.03	6.36	0.00	437.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2009	444.03	6.60	0.00	437.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2009	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/17/2010	444.03	4.51	0.00	439.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	444.03	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/2010	443.68	6.69	0.00	436.99	1.3	0.87 (J)	2.8	1.3	6.27 (J)	ND	ND	858	216	1.6 (J)	NS
	1/11/2011	443.68	7.17	0.00	436.51	ND	ND	0.42 (J)	ND	0.42 (J)	ND	ND	ND	ND	ND	ND
	6/23/2011	443.68	6.26	0.00	437.42	1.3	0.46 (J)	4.4	3.6	9.76 (J)	ND	ND	982	464	3.3 (J)	NS
	9/28/2011	443.68	6.02	0.00	437.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/21/2012	443.68	5.90	0.00	437.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/21/2012	443.68	6.18	0.00	437.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/16/2012	443.68	6.48	0.00	437.20	0.50 (J)	ND	0.46 (J)	0.73 (J)	1.69 (J)	ND	ND	340	104	ND	ND
	8/29/2012	443.68	7.67	0.00	436.01	0.50 (J)	ND	0.30 (J)	0.43 (J)	1.23 (J)	ND	ND	407	ND	ND	ND
	12/19/2012	443.68	6.94	0.00	436.74	0.40 (J)	0.44 (J)	2.5	19.2	22.54 (J)	ND	ND	390	372	1.1 (J)	NS
	3/20/2013	443.68	6.57	0.00	437.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/19/2013	443.68	6.47	0.00	437.21	0.45 (J)	0.56 (J)	7.0	8.4	16.41 (J)	ND	ND	328	ND	2.0 (J)	NS
	9/19/2013	443.68	7.31	0.00	436.37	0.71 (J)	ND	1.3	0.60 (J)	2.61 (J)	ND	ND	580	221	2.0 (J)	NS
	11/22/2013	443.68	7.25	0.00	436.43	1.9	3.2	427	1,420	1,852.10	ND	ND	13,300	2,310	110	NS
	3/20/2014	443.68	5.56	0.00	438.12	ND	ND	0.99	5.8	6.79	ND	ND	ND	ND	ND	ND
	6/18/2014	443.68	8.33	0.00	435.35	ND	1.2	ND	17.5	18.7	ND	ND	762	***	6.9	NS
	6/30/2014	443.68	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2014	443.18	9.54	0.00	433.64	ND	0.53 (J)	0.99 (J)	1.1	2.62 (J)	ND	ND	ND	ND	ND	ND
	12/23/2014	443.18	9.94	0.00	433.24	ND	ND	0.62 (J)	0.53 (J)	1.15 (J)	ND	ND	ND	ND	ND	ND
	3/24/2015	443.18	9.58	0.00	433.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2015	443.18	9.25	0.00	433.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/21/2015	443.18	9.28	0.00	433.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
12/9/2015	443.18	9.58	0.00	433.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3/8/2016	443.18	8.98	0.00	434.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6/7/2016	443.18	9.03	0.00	434.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/13/2016	443.18	9.48	0.00	433.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11/21/2016	443.18	9.90	0.00	433.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3/9/2017	443.18	10.42	0.00	432.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6/7/2017	443.18	9.72	0.00	433.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/6/2017	443.18	9.77	0.00	433.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11/1/2017	443.18	9.97	0.00	433.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3/6/2018	443.18	9.84	0.00	433.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6/20/2018	443.18	8.72	0.00	434.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/5/2018	443.18	8.64	0.00	434.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7/18/2019	443.18	8.11	0.00	435.07												
11/13/2019	443.18	9.23	0.00	433.95												
7/8/2020	443.18	8.33	0.00	434.85												
12/9/2020	443.18	8.36	0.00	434.82												
6/2/2021	443.18	8.68	0.00	434.50												
11/22/2021	443.18	9.45	0.00	433.73												
5/17/2022	443.04	9.06	0.00	433.98												
12/7/2022	443.04	9.48	0.00	433.56												
6/6/2023	443.04	9.31	0.00	433.73	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<5.8)	ND (<5.8)	ND (<110)	137	ND (<2.5)	NS	
10/31/2023	443.04	9.15	0.00	433.89												
6/19/2024	443.04	8.44	0.00	434.60												
11/20/2024	443.04	9.49	0.00	433.55												
6/4/2025	443.04	9.14	0.00	433.90												
				MDE MEAT GNC3G**	5	1,000	700	10,000	NA	20	NA	47	47	0.7		

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
MW-1	6/26/1991	455.93	29.40	0.00	426.53	2	ND	ND	2	4	8	NS	NS	NS	NS
	9/1/1992	455.93	26.35	0.00	429.58	25	18	10	41	94	ND	NS	NS	NS	NS
Casing: Unknown	1/7/1993	455.93	24.70	0.00	431.23	3	4	ND	10	17	142	NS	NS	NS	NS
	4/12/1993	455.93	NM	NM	NM	29	5	7	51	92	30	NS	NS	NS	NS
Screen: Unknown	7/15/1993	455.93	NM	NM	NM	12	3	3	66	84	ND	NS	NS	NS	NS
	10/19/1993	455.93	NM	NM	NM	11	ND	ND	37	48	ND	NS	NS	NS	NS
	1/26/1994	455.93	NM	NM	NM	10	ND	3	22	35	ND	NS	NS	NS	NS
	4/20/1994	455.93	NM	NM	NM	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS
	8/2/1994	455.93	NM	NM	NM	23	ND	4	38	65	ND	NS	NS	NS	NS
	11/22/1994	455.93	NM	NM	NM	14	ND	3	16	33	11	NS	NS	NS	NS
	3/3/1995	455.93	NM	NM	NM	12	2	3	13	30	6	NS	NS	NS	NS
	5/9/1995	455.93	NM	NM	NM	10	ND	ND	11	21	16	NS	NS	NS	NS
	8/15/1995	455.93	NM	NM	NM	12	ND	2	23	37	ND	NS	NS	NS	NS
	11/28/1995	455.93	NM	NM	NM	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	2/13/1996	455.93	16.20	0.00	439.73	ND	ND	ND	4	4	ND	NS	NS	NS	NS
	5/15/1996	455.93	18.06	0.00	437.87	4	ND	ND	6	10	24.3	NS	NS	NS	NS
	8/28/1996	455.93	16.95	0.00	438.98	ND	6	3	12	21	5.6	NS	NS	NS	NS
	11/26/1996	455.93	26.21	0.00	429.72	3	ND	ND	2	5	ND	NS	NS	NS	NS
	2/27/1997	455.93	15.73	0.00	440.20	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	5/30/1997	455.93	16.00	0.00	439.93	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	8/21/1997	455.93	18.66	0.00	437.27	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	11/25/1997	455.93	17.97	0.00	437.96	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	2/19/1998	455.93	15.47	0.00	440.46	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	5/28/1998	455.93	15.06	0.00	440.87	ND	ND	3	9	12	ND	NS	NS	NS	NS
	8/18/1998	455.93	16.42	0.00	439.51	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	5/19/2005	455.93	16.83	0.00	439.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/2007	455.93	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/2007	455.93	17.58	0.00	438.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2008	455.93	17.39	0.00	438.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2008	455.93	16.41	0.00	439.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/2008	455.93	16.57	0.00	439.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	455.93	16.26	0.00	439.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2009	455.93	17.87	0.00	438.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2009	455.93	16.07	0.00	439.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2009	455.93	16.48	0.00	439.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2009	455.93	15.94	0.00	439.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	455.93	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/17/2010	455.93	0.01	0.00	455.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	455.93	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/2010	454.42	16.61	0.00	437.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/10/2011	454.42	17.64	0.00	436.78	ND	ND	ND	ND	ND	ND	ND	ND (<200)	ND (<100)	ND
	6/22/2011	454.42	16.05	0.00	438.37	ND	ND	ND	ND	ND	ND	ND	ND (<200)	ND (<110)	ND
	9/28/2011	454.42	6.68	0.00	447.74	ND	ND	ND	ND	ND	ND	ND	ND (<200)	ND (<110)	ND
	12/20/2012	454.42	15.90	0.00	438.52	ND	ND	ND	ND	ND	ND	ND	ND (<200)	ND (<100)	ND
	3/21/2012	454.42	16.41	0.00	438.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/2012	454.42	14.43	0.00	439.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/28/2012	454.42	15.84	0.00	438.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/18/2012	454.42	17.16	0.00	437.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/19/2013	454.42	16.57	0.00	437.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/18/2013	454.42	17.45	0.00	436.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/19/2013	454.42	17.54	0.00	436.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/22/2013	454.42	17.87	0.00	436.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/20/2014	454.42	15.89	0.00	438.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 (J)
	6/18/2014	454.42	18.43	0.00	435.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
***	6/30/2014	454.42	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS
***	9/23/2014	453.92	18.73	0.00	435.19	ND	ND	ND	ND	ND	ND	18.4	ND	243	ND
	12/23/2014	453.92	19.67	0.00	434.25	ND	ND	ND	ND	ND	ND	ND	ND	ND (<80)	ND
	3/24/2015	453.92	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2015	453.92	18.24	0.00	435.68	ND	ND	ND	ND	ND	ND	ND	ND	102	ND
	9/21/2015	453.92	18.49	0.00	435.43	ND	ND	ND	ND	ND	ND	ND	ND	233	ND
	12/9/2015	453.92	19.24	0.00	434.68	ND	ND	ND	ND	ND	ND	ND	ND	ND (<64)	ND
	3/8/2016	453.92	18.28	0.00	435.64	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND
	6/7/2016	453.92	18.21	0.00	435.71	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<58)	ND
	9/13/2016	453.92	18.92	0.00	435.00	ND	ND	ND	ND	ND	ND	ND	ND (<100)	108	ND
	11/21/2016	453.92	19.83	0.00	434.09	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND
	3/9/2017	453.92	20.49	0.00	433.43	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND (<1.0)
	6/7/2017	453.92	19.38	0.00	434.54	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND (<1.0)
	9/6/2017	453.92	19.04	0.00	434.88	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	11/1/2017	453.92	19.67	0.00	434.25	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	3/6/2018	453.92	20.16	0.00	433.76	ND	ND	ND	ND	ND	ND	ND	ND (<100)	91.9	ND (<1.1)
	6/20/2018	453.92	17.45	0.00	436.47	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	9/5/2018	453.92	16.71	0.00	437.21	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<53)	ND (<0.98)
	7/18/2019	453.92	16.52	0.00	437.40	Not sampled									
	11/13/2019	453.92	18.44	0.00	435.48	Not sampled									
	7/8/2020	453.92	16.57	0.00	437.35	Not sampled									
	12/9/2020	453.92	17.28	0.00	436.64	Not sampled									
	6/2/2021	453.92	17.57	0.00	436.35	Not sampled									
	11/22/2021	453.92	18.88	0.00	435.04	Not sampled									
	5/17/2022	453.92	18.97	0.00	434.95	Not sampled									
	12/7/2022	453.92	17.81	0.00	436.11	Not sampled									
	6/7/2023	453.92	19.01	0.00	434.91	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<5.8)	ND (<110)	ND (<70)	ND (<2.5)	
	10/31/2023	453.92	18.69	0.00	435.23	Not sampled									
	6/19/2024	453.92	17.25	0.00	436.67	Not sampled									
	11/20/2024	453.92	NM	NM	NM	Not sampled									
	6/4/2025	453.92	NM	NM	NM	Not sampled									
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
MW-4	3/28/1991	457.11	16.98	0.00	440.13	600	1,300	380	1,500	3,780	40	NS	NS	NS	NS
	6/26/1991	457.11	23.80	0.00	433.31	3,775	4,825	925	4,075	13,600	1,125	NS	NS	NS	NS
Casing: 0 to 10 feet	9/1/1992	457.11	22.00	0.00	435.11	3,500	9,300	1,625	5,225	19,650	1,100	NS	NS	NS	NS
	9/4/1992	457.11	22.79	0.01	434.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Screen: 10 to 25 feet	10/15/1992	457.11	22.98	sheen	434.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/9/1992	457.11	23.20	2.50	435.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/1992	457.11	21.58	1.36	436.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/7/1993	457.11	21.68	0.02	435.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/1993	457.11	23.15	0.85	434.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/8/1993	457.11	20.10	sheen	437.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/12/1993	457.11	18.20	0.05	438.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/11/1993	457.11	18.10	0.15	439.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/3/1993	457.11	18.96	0.38	438.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/7/1993	457.11	19.65	0.30	437.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/2/1993	457.11	18.95	0.00	438.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1993	457.11	19.34	0.00	437.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/1993	457.11	19.75	0.00	437.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/1993	457.11	20.75	sheen	436.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/1993	457.11	19.85	0.00	437.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/25/1994	457.11	17.84	0.00	439.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/11/1994	457.11	17.13	0.00	439.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/1994	457.11	17.68	0.00	439.43	1,650	6,130	678	3,950	12,408	223	NS	NS	NS	NS
	8/2/1994	457.11	18.35	0.00	438.76	2,630	12,200	1,430	9,070	25,330	ND	NS	NS	NS	NS
	11/22/1994	457.11	18.52	0.00	438.59	2,950	7,040	1,430	8,700	20,120	340	NS	NS	NS	NS
	3/3/1995	457.11	20.31	0.00	436.80	1,560	12,400	1,690	9,050	24,700	775	NS	NS	NS	NS
	5/9/1995	457.11	20.25	0.00	436.86	1,600	12,800	1,840	10,400	26,640	499	NS	NS	NS	NS
	8/15/1995	457.11	21.10	0.00	436.01	<200	<200	<200	726	726	<200	NS	NS	NS	NS
	7/24/1995	457.11	19.29	0.02	437.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/28/1995	457.11	22.00	0.00	435.11	ND	10	ND	58	68	47	NS	NS	NS	NS
	2/13/1996	457.11	20.20	0.00	436.91	3	11	2	21	37	14	NS	NS	NS	NS
	5/15/1996	457.11	17.60	0.00	439.51	ND	53	18	133	204	6	NS	NS	NS	NS
	8/28/1996	457.11	16.98	0.00	440.13	ND	3	3	10	16	6	NS	NS	NS	NS
	11/26/1996	457.11	15.85	0.00	441.26	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	2/27/1997	457.11	14.19	0.00	442.92	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	5/30/1997	457.11	15.77	0.00	441.34	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	8/21/1997	457.11	19.01	0.00	438.10	15	24	4	27	70	ND	NS	NS	NS	NS
	11/25/1997	457.11	19.15	0.00	437.96	89	75	143	240	547	3	NS	NS	NS	NS
	2/19/1998	457.11	17.68	0.00	439.43	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	5/28/1998	457.11	16.64	0.00	440.47	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	8/18/1998	457.11	18.21	0.00	438.90	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	11/21/1998	457.11	19.65	0.00	437.46	71	1,600	183	731	2,585	19	NS	NS	NS	NS
	2/17/1999	457.11	19.70	0.00	437.41	ND	780	252	460	1,492	<100	NS	NS	NS	NS
	5/24/1999	457.11	18.90	0.00	438.21	ND	14	8.7	21.9	44.6	77.7	NS	NS	NS	NS
	8/26/1999	457.11	20.60	0.00	436.51	ND	ND	35	123	158	220	NS	NS	NS	NS
	11/18/1999	457.11	18.52	0.00	438.59	ND	ND	ND	3.8	3.8	2,000	NS	NS	NS	NS
	12/29/1999	457.11	NM	NM	NM	ND	ND	ND	ND	ND	2,100	NS	NS	NS	NS
	2/23/2000	457.11	19.21	0.00	437.90	120	4.5	32	106	263	730	NS	NS	NS	NS
	5/17/2000	457.11	16.90	0.00	440.21	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	8/3/2000	457.11	17.28	0.00	439.83	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	11/20/2000	457.11	19.69	0.00	437.42	87	ND	ND	ND	87	3,000	NS	NS	NS	NS
	2/20/2001	457.11	18.60	0.00	438.51	ND	ND	ND	ND	ND	6.8	NS	NS	NS	NS
	5/25/2001	457.11	17.30	0.00	439.81	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	8/6/2001	457.11	19.17	0.00	437.94	ND	ND	ND	ND	2.0	NS	NS	NS	NS	NS
	11/7/2001	457.11	21.17	0.00	435.94	330	62	370	800	1,562	110	NS	NS	NS	NS
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

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HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
MW-4 (continued)	2/22/2002	457.11	20.80	0.00	436.31	81	120	200	510	911	33	NS	NS	NS	NS
	5/16/2002	457.11	18.12	0.00	438.99	ND	15	12	223	250	2.2	NS	NS	NS	NS
	8/6/2002	457.11	21.61	0.00	435.50	3.5	3.2	7.0	22.8	36.5	3.9	NS	NS	NS	NS
	11/13/2002	457.11	18.81	0.00	438.30	ND	4.9	14	141	159.9	ND	NS	NS	NS	NS
	3/5/2003	457.11	18.41	0.00	438.70	ND	ND	ND	ND	ND	2.0	NS	NS	NS	NS
	5/13/2003	457.11	16.96	0.00	440.15	3.9	ND	ND	ND	3.9	110	NS	NS	NS	NS
	9/25/2003	457.11	NM	NM	NM	ND	ND	ND	ND	ND	1.5	NS	NS	NS	NS
	11/12/2003	457.11	18.32	0.00	438.79	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	2/2/2004	457.11	14.70	0.00	442.41	ND	ND	ND	ND	ND	666	NS	NS	NS	NS
	5/14/2004	457.11	18.09	0.00	439.02	ND	ND	ND	ND	ND	24.8	NS	NS	NS	NS
	8/19/2004	457.11	16.55	0.00	440.56	1.6	2.1	36.5	92.4	132.6	1.6	NS	NS	NS	NS
	11/22/2004	457.11	19.43	0.00	437.68	ND	ND	0.31 (J)	0.57 (J)	0.88 (J)	0.29 (J)	NS	NS	NS	NS
	2/23/2005	457.11	18.93	0.00	438.18	ND	ND	ND	ND	ND	0.65 (J)	NS	NS	NS	NS
	5/19/2005	457.11	16.67	0.00	440.44	ND	ND	ND	ND	ND	0.91 (J)	ND	ND	ND	NS
	8/24/2007	457.11	19.06	0.00	438.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/2007	457.11	18.72	0.00	438.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2008	457.11	18.63	0.00	438.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2008	457.11	17.57	0.00	439.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/2008	457.11	19.28	0.00	437.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	457.11	19.10	0.00	438.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2009	457.11	19.12	0.00	437.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2009	457.11	15.07	0.00	442.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2009	457.11	17.63	0.00	439.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2009	457.11	16.56	0.00	440.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	457.11	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/17/2010	457.11	14.98	0.00	442.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	457.11	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/23/2010	455.60	18.10	0.00	437.50	0.52 (J)	22.3	41.1	84.2	148.12 (J)	ND	ND	449	244	7.2
	1/10/2011	455.60	18.94	0.00	436.66	16.4	16.9	151	235	419.30	2.7	112	1,940	1,930	84.1
	6/22/2011	455.60	17.57	0.00	438.03	8.7	10.6	5.7	8.6	33.60	1.9	128	306	304	ND
	9/28/2011	455.60	17.08	0.00	438.52	ND	ND	ND	ND	ND	ND	ND	ND (<200)	ND (<100)	ND
	12/20/2012	455.60	17.30	0.00	438.30	ND	ND	0.29 (J)	ND	0.29 (J)	ND	ND	ND (<200)	ND (<100)	ND
	3/21/2012	455.60	17.78	0.00	437.82	0.24 (J)	ND	1.5	ND	1.74 (J)	ND	ND	ND	ND	ND
	5/15/2012	455.60	11.49	0.00	444.11	ND	ND	ND	ND	ND	ND	ND	ND	283	ND
	8/28/2012	455.60	18.91	0.00	436.69	ND	ND	ND	ND	ND	ND	ND	ND	924	ND
	12/18/2012	455.60	18.58	0.00	437.02	6.5	37.2	419	108	570.7	ND	18.5 (J)	2,510	1,120	154
	3/19/2013	455.60	17.99	0.00	437.61	ND	ND	ND	ND	ND	ND	ND	ND	350	ND
	6/18/2013	455.60	17.77	0.00	437.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/19/2013	455.60	19.01	0.00	436.59	3.0	16.1	85.9	16.2	121.2	ND	55.8	2,420	367	34.3
	11/22/2013	455.60	19.21	0.00	436.39	9.9	32.3	38.4	23.7	104.3	1.3	52.9	4,110	1,400	7.0
	3/20/2014	455.60	15.71	0.00	439.89	2.0	5.2	ND	5.8	13.0	1.2	71.3	1,870	408	ND
	6/18/2014	455.60	18.24	0.00	437.36	87.4	59.2	9.4	24.8	180.8	106	1,770	3,850	***	1.5 (J)
	6/30/2014	455.60	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	2,160	NS
	9/23/2014	455.10	20.69	0.00	434.41	7.3	212	541	567	1,327.3	269	1,150	5,740	2,560	159
	12/23/2014	455.10	21.37	0.00	433.73	88.0	83.0	1,290	1,480	2,941.0	50.6	771	12,200	3,090	490
	3/24/2015	455.10	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2015	455.10	20.38	0.00	434.72	178	34.1	661	409	1,282.1	17.3	3,200	6,130	4,540	392
	9/21/2015	455.10	20.57	0.00	434.53	153	44.3	623	394	1,214.3	16.9	1,730	10,300	3,740	430
	12/9/2015	455.10	21.08	0.00	434.02	7.8	1.4	34.8	10.1	54.1	ND	250	650	684	28.3
	3/8/2016	455.10	20.29	0.00	434.81	103	9.4	223	49.0	384.4	7.5	553	2,130	874	143
	6/7/2016	455.10	20.28	0.00	434.82	155	27.1	744	139	1,065.1	6.2	3,030	6,540	3,150	436
	9/13/2016	455.10	20.87	0.00	434.23	131	23.1	763	150	1,067.1	5.8	2,320	6,520	2,750	422
	11/21/2016	455.10	21.56	0.00	433.54	108	25.9	727	192	1,052.9	12.9	2,480	6,730	3,520	439
	3/9/2017	455.10	22.05	0.00	433.05	23.7	5.5	142	42.8	214.0	3.4	ND	2,450	1,090	144
	6/7/2017	455.10	21.18	0.00	433.92	14.6	2.8	50.7	7.8	75.9	2.3	174	1,590	1,050	34.3
	9/6/2017	455.10	20.94	0.00	434.16	44.1	5.8	141	24.5	215.4	ND	1,230	1,980	1,570	107
	11/1/2017	455.10	21.41	0.00	433.69	69.8	7.6	146	42.1	266	6.1	1,380	3,050	1,900	118
	3/6/2018	455.10	21.75	0.00	433.35	11.3	0.71 (J)	12.3	4.4	28.7 (J)	ND	9.4 (J)	1,090	1,070	20.6
	6/20/2018	455.10	19.73	0.00	435.37	18.2	ND	0.77 (J)	ND	18.97 (J)	2.5	83.4	124 (J)	112	ND (<1.1)
	9/5/2018	455.10	19.34	0.00	435.76	7.3	ND	2.7	ND	10.0	ND	40.3	226	110	2.8 (J)
	7/18/2019	455.10	18.82	0.00	436.28	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<42)	ND (<53)	ND (<0.98)
	11/13/2019	455.10	20.42	0.00	434.68	8.4	4.5	37.5	6.6	57.0	0.64 (J)	16.8	507	168	19.9
	7/8/2020	455.10	18.78	0.00	436.32	ND (<0.43)	ND (<0.53)	0.84 (J)	ND (<0.59)	< 2.39	ND (<0.51)	30.6	208	ND (<53)	ND (<2.5)
	12/9/2020	455.10	17.47	0.00	437.63	0.62	ND (<0.53)	ND (<0.60)	ND (<0.59)	< 2.34	ND (<0.51)	ND (<5.8)	438	ND (<53)	ND (<2.5)
	6/2/2021	455.10	19.62	0.00	435.48	ND (<0.43)	ND (<0.53)	0.81	ND (<0.59)	< 2.36	ND (<0.51)	ND (<5.8)	101	ND (<49)	ND (<2.5)
	11/22/2021	455.10	20.76	0.00	434.34	8.8	8.3	89.0	13.3	119.4	ND (<0.51)	11.7	797	258	69.4
	5/17/2022	455.10	20.64	0.00	434.46	1.6	4.5	106	9.0	121	ND (<0.51)	ND (<5.8)	1,600	634	75.8
	12/7/2022	455.10	21.03	0.00	434.07	4.0	5.9	171	23.1	204	ND (<0.51)	ND (<5.8)	2,200	1,410	166
	6/7/2023	455.10	20.89	0.00	434.21	1.3	1.6	68.7	8.4	80	ND (<0.51)	ND (<5.8)	2,320	1,370	90.5
	10/31/2023	455.10	20.84	0.00	434.26	1.7	1.1	53.7	6.7	63	ND (<0.51)	ND (<5.8)	883	233	55.1
	6/19/2024	455.10	19.48	0.00	435.62	1.5	0.91 (J)	46.8	6.7	55.9	ND (<0.51)	ND (<5.8)	983	714	57.3
	11/26/2024	455.10	NM	NM	NM	1.9	1.2	20.6	4.1	27.8	ND (<0.51)	ND (<5.8)	826	1,080	31.9
	6/4/2025	455.10	20.45	0.00	434.65	ND (<0.43)	ND (<0.49)	ND (<0.60)	0.99	< 2.51	ND (<0.51)	ND (<5.8)	ND (<110)	216	ND (<4.4)
					MDE MEAT GNCSG**	5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
MW-7	3/28/1991	452.69	15.10	0.00	437.59	7,950	6,100	2,700	8,550	25,300	650	NS	NS	NS	NS
	6/26/1991	452.69	16.12	0.00	436.57	2,100	2,400	800	2,300	7,600	1,000	NS	NS	NS	NS
	9/1/1992	452.69	17.22	0.00	435.47	1,470	3,670	1,350	5,350	11,840	1,200	NS	NS	NS	NS
	1/7/1993	452.69	26.25	0.00	426.44	1,550	5,750	1,100	6,250	14,650	600	NS	NS	NS	NS
Casing: 0 to 8 feet	4/12/1993	452.69	NM	NM	NM	200	2,550	350	3,600	6,700	ND	NS	NS	NS	NS
	7/15/1993	452.69	NM	NM	NM	2,150	8,550	1,200	8,950	20,850	1,000	NS	NS	NS	NS
	10/19/1993	452.69	NM	NM	NM	2,400	15,700	1,300	9,000	28,400	870	NS	NS	NS	NS
	1/26/1994	452.69	NM	NM	NM	1,100	6,200	950	5,650	13,900	ND	NS	NS	NS	NS
Screen: 8 to 33 feet	4/19/1994	452.69	NM	NM	NM	11	68	11	86	176	64.4	NS	NS	NS	NS
	8/2/1994	452.69	NM	NM	NM	280	1,160	260	2,280	3,980	180	NS	NS	NS	NS
	11/22/1994	452.69	NM	NM	NM	1,530	1,780	1,380	5,400	10,090	338	NS	NS	NS	NS
	3/3/1995	452.69	NM	NM	NM	1,690	9,600	1,930	11,000	24,220	913	NS	NS	NS	NS
	5/9/1995	452.69	NM	NM	NM	448	2,330	294	3,560	6,632	<200	NS	NS	NS	NS
	8/15/1995	452.69	NM	NM	NM	370	1,790	420	3,430	6,010	<200	NS	NS	NS	NS
	11/28/1995	452.69	NM	NM	NM	394	3,440	646	4,230	8,710	ND	NS	NS	NS	NS
	2/13/1996	452.69	14.75	0.00	437.94	104	164	106	259	633	ND	NS	NS	NS	NS
	5/15/1996	452.69	15.40	0.00	437.29	132	429	101	436	1,098	33	NS	NS	NS	NS
	8/28/1996	452.69	15.27	0.00	437.42	422	3,460	480	5,540	9,902	78	NS	NS	NS	NS
	11/26/1996	452.69	15.61	0.00	437.08	96	340	ND	875	1,311	ND	NS	NS	NS	NS
	2/27/1997	452.69	14.69	0.00	438.00	56	225	1,420	3,830	5,531	109	NS	NS	NS	NS
	5/30/1997	452.69	15.10	0.00	437.59	69	293	1,600	4,900	6,862	149	NS	NS	NS	NS
	8/21/1997	452.69	16.53	0.00	436.16	ND	349	1,280	5,730	7,359	ND	NS	NS	NS	NS
	11/25/1997	452.69	16.63	0.00	436.06	ND	175	913	4,160	5,248	57	NS	NS	NS	NS
	2/19/1998	452.69	15.23	0.00	437.46	ND	165	381	2,360	2,906	ND	NS	NS	NS	NS
	5/28/1998	452.69	14.36	0.00	438.33	100	364	1,270	5,070	6,804	147	NS	NS	NS	NS
	8/18/1998	452.69	15.61	0.00	437.08	120	313	1,300	5,540	7,273	ND	NS	NS	NS	NS
	11/21/1998	452.69	16.86	0.00	435.83	<100	195	1,280	6,340	7,815	129	NS	NS	NS	NS
	2/17/1999	452.69	17.02	0.00	435.67	<50	409	1,510	6,230	8,149	136	NS	NS	NS	NS
	5/24/1999	452.69	16.20	0.00	436.49	37	229	1,010	3,230	4,506	211	NS	NS	NS	NS
	8/26/1999	452.69	17.18	0.00	435.51	<50	110	920	3,900	4,930	170	NS	NS	NS	NS
	11/18/1999	452.69	16.02	0.00	436.67	<20	130	870	3,300	4,300	1,400	NS	NS	NS	NS
	12/29/1999	452.69	NM	NM	NM	9	140	780	3,200	4,129	240	NS	NS	NS	NS
	2/23/2000	452.69	15.43	0.00	437.26	<20	320	990	3,800	5,110	370	NS	NS	NS	NS
	5/17/2000	452.69	14.47	0.00	438.22	ND	180	1,100	3,900	5,180	1,300	NS	NS	NS	NS
	8/3/2000	452.69	14.92	0.00	437.77	84	260	1,000	4,200	5,544	2,100	NS	NS	NS	NS
	11/20/2000	452.69	16.65	0.00	436.04	ND	140	830	3,180	4,150	150	NS	NS	NS	NS
	2/20/2001	452.69	17.86	0.00	434.83	70	240	850	2,540	3,700	130	NS	NS	NS	NS
	5/25/2001	452.69	15.05	0.00	437.64	ND	250	1,300	3,600	5,150	ND	NS	NS	NS	NS
	8/6/2001	452.69	16.70	0.00	435.99	11	280	1,400	4,900	6,591	210	NS	NS	NS	NS
	11/7/2001	452.69	17.64	0.00	435.05	ND	64	810	2,284	3,158	98	NS	NS	NS	NS
	2/22/2002	452.69	17.92	0.00	434.77	11	75	660	2,080	2,826	54	NS	NS	NS	NS
	5/16/2002	452.69	15.80	0.00	436.89	ND	140	690	2,110	2,940	51	NS	NS	NS	NS
	8/6/2002	452.69	18.05	0.00	434.64	60	93	800	2,180	3,133	140	NS	NS	NS	NS
	11/13/2002	452.69	17.23	0.00	435.46	ND	ND	760	1,746	2,506	ND	NS	NS	NS	NS
	3/5/2003	452.69	13.94	0.00	438.75	ND	16	100	301	417	5.1	NS	NS	NS	NS
	5/13/2003	452.69	15.10	0.00	437.59	10	10	110	198	328	22	NS	NS	NS	NS
	9/25/2003	452.69	NM	NM	NM	25.6	24.9	343	273	667	16.1	NS	NS	NS	NS
	11/12/2003	452.69	15.36	0.00	437.33	24.5	91.7	907	1,400	2,423	10	NS	NS	NS	NS
	2/2/2004	452.69	14.40	0.00	438.29	22.6	76.4	605	1,390	2,094	7.0	NS	NS	NS	NS
	5/14/2004	452.69	13.97	0.00	438.72	10.3	28.8	499	595	1,133	5.8	NS	NS	NS	NS
	8/19/2004	452.69	14.67	0.00	438.02	18.8	82.8	763	2,720	3,585	11.3	NS	NS	NS	NS
	2/23/2005	452.69	16.39	0.00	436.30	3.5 (J)	80	1,080	4,320	5,484 (J)	7.6 (J)	NS	NS	NS	NS
	5/19/2005	452.69	16.25	0.00	436.44	2.1 (J)	61.9	740	2,580	3,384 (J)	3.7 (J)	NS	NS	NS	NS
	8/24/2005	452.69	15.89	0.00	436.80	<10	56.9	1,020	3,770	4,847	8.4 (J)	NS	NS	NS	NS
	11/8/2005	452.69	15.54	0.00	437.15	1.6 (J)	18.1	472	913	1,405 (J)	9.1	NS	NS	NS	NS
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

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Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
MW-7 (continued)	2/10/2006	452.69	14.54	0.00	438.15	1.2 (J)	22	413	1,390	1,826	5.2	NS	NS	NS	NS
	5/15/2006	452.69	15.50	0.00	437.19	<10	34.4	880	2,690	3,604	22.2	NS	NS	NS	NS
	8/9/2006	452.69	15.41	0.00	437.28	ND	40	911	3,140	4,091	6.1	NS	NS	NS	NS
	10/17/2006	452.69	17.28	0.00	435.41	<10	42.3	1,170	4,340	5,552	10	NS	NS	NS	NS
19 ft. sample 27 ft. sample	4/11/2007	452.69	NG	NG	NG	ND	1.9	57	92	150.9	ND	ND	1,900	ND	NS
	8/24/2007	452.69	16.38	0.00	436.31	1.5	7.2	200	150	359	4.3	ND	1,900	1,300	NS
	12/27/2007	452.69	16.02	0.00	436.67	ND	ND	1.2	2.2	3.4	ND	ND	ND	4,900	NS
	3/27/2008	452.69	16.11	0.00	436.58	ND	ND	14	12.9	26.9	1.0	ND	ND	ND	NS
	6/25/2008	452.69	15.56	0.00	437.13	0.42 (J)	3.1	17.4	39	59.9	ND	ND	1,400	700	NS
	9/24/2008	452.69	16.20	0.00	436.49	1.7	9.7	278	323	612.4	3.4	ND	4,340	976	NS
	12/17/2008	452.69	9.65	0.00	443.04	2.0	17.3	495	911	1,425.3	3.4	ND	8,250	1,160	NS
	3/31/2009	452.69	16.77	0.00	435.92	1.0	ND	ND	ND	1.0	59.8	ND (<25)	ND	1,160	NS
	6/22/2009	452.69	15.50	0.00	437.19	1.2 (J)	7.9	257	285	551.1 (J)	1.6 (J)	ND (<63)	4,810	1,870	NS
	9/25/2009	452.69	15.64	0.00	437.05	1.2 (J)	9.1	528	549	1,087.3 (J)	ND	ND (<50)	9,450	2,330	NS
	12/14/2009	452.69	13.57	0.00	439.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	452.69	NM	NM	NM	0.51 (J)	3.4	98.9	53.7	156.51 (J)	NS	ND (<25)	1,490	531	NS
	3/17/2010	452.69	13.17	0.00	439.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	452.69	NM	NM	NM	ND	ND	43.3	7.4	50.7	ND	ND (<25)	1,160	516	NS
	8/24/2010	453.52	15.73	0.00	437.79	1.8	3	238	58.4	301.2	ND	ND	3,000	567	NS
	8/24/2010	453.52	15.73	0.00	437.79	13	2	127	31.3	173.3	53.1	47.6	2,080	655	7.3
	1/11/2011	453.52	16.36	0.00	437.16	1.8	8.7	492	294	796.5	1.8	ND	7,180	2,360	75.4
	6/23/2011	453.52	15.20	0.00	438.32	0.76 (J)	3.8	114	19.9	138.46 (J)	0.75 (J)	ND	1,640	772	12.6
	9/29/2011	453.52	14.99	0.00	438.53	1.5	6.7	330	200	538.2	1.7	18.8 (J)	3,060	2,620	48.0
	12/21/2012	453.52	14.86	0.00	438.66	3.7	2.8	136	3.0	23.1	6.7	276	452	422	32.9
	3/21/2012	453.52	15.26	0.00	438.26	4.0	3.4	128	10.1	145.5	4.5	198	1,820	1,390	11.9
	5/16/2012	453.52	15.60	0.00	437.92	2.3	3.5	138	55.7	199.5	2.9	126	2,270	1,330	20.5
	8/29/2012	453.52	15.84	0.00	437.68	3.5	9.3	392	354	758.8	3.5	96.3	6,070	1,530	85.7
	12/19/2012	453.52	16.06	0.00	437.46	3.2	8.9	464	424	900.1	9.7	44.3 (J)	8,770	1,760	153
	3/20/2013	453.52	14.45	0.00	439.07	1.8	7.8	208	289	506.6	3.7	ND	4,880	1,400	171
	6/19/2013	453.52	15.46	0.00	438.06	1.6	6.1	193	150	350.7	2.4	5.4 (J)	3,980	1,690	80.0
	9/19/2013	453.52	16.49	0.00	437.03	2.4	8.0	386	259	647.4	2.8	ND	6,250	1,520	162
	11/22/2013	453.52	16.56	0.00	436.96	2.1	9.0	481	295	787.1	3.8	10.1 (J)	8,920	1,230	197
	3/20/2014	453.52	14.60	0.00	438.92	2.1	3.2	147	20.3	172.6	1.5	ND	2,830	1,560	29.2
	6/18/2014	453.52						Inaccessible - Sampled on 6/24/2014							
***	6/24/2014	453.52	16.89	0.00	436.63	4.8	10.5	396	284	695.3	32.1	256	8,400	***	34.1
	6/30/2014	453.52	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,840	NS
	9/23/2014	452.69	18.44	0.00	434.25	1.3	5.5	350	389	745.8	28.3	125	8,640	232	159
	12/23/2014	452.69	19.02	0.00	433.67	1.4	4.3	200	177	382.7	29.6	90.1	5,990	1,030	91.8
†	3/24/2015	452.69	18.67	0.00	434.02	3.6	1.9	97.4	53.4	156.3	80.0	130	3,540	463	56.2
	6/22/2015	452.69	18.29	0.00	434.40	5.0	3.6	117	117	242.6	51.0	145	2,980	1,580	45.7
	9/21/2015	452.69	18.42	0.00	434.27	5.9	2.6	77.0	73.2	158.7	18.0	89.7	3,460	902	27.3
	12/9/2015	452.69	18.81	0.00	433.88	7.3	2.5	63.3	40.4	113.5	18.1	93.2	2,080	714	6.4
	3/8/2016	452.69	18.16	0.00	434.53	8.9	1.6	36.9	11.6	59.0	81.5	138	1,990	785	2.8 (J)
	6/7/2016	452.69	18.19	0.00	434.50	8.3	1.5	32.0	14.4	56.2	25.3	73.8	1,390	904	5.5
	9/13/2016	452.69	18.62	0.00	434.07	8.5	1.5	31.6	15.6	57.2	10.7	73.5	2,600	925	5.0
	11/21/2016	452.69	19.14	0.00	433.55	7.6	1.8	39.0	21.8	70.2	7.4	77.1	2,240	564	7.7
	3/9/2017	452.69	19.63	0.00	433.06	6.9	1.1	27.8	14.0	49.8	9.7	ND	1,720	434	4.5
	6/7/2017	452.69	18.89	0.00	433.80	6.2	0.81 (J)	8.5	7.8	23.31 (J)	43.2	94.7	1,130	585	ND (<1.0)
	9/6/2017	452.69	18.78	0.00	433.91	6.6	2.2	42.6	35.4	86.8	8.2	64.6	1,630	665	6.7
	11/1/2017	452.69	19.07	0.00	433.62	8.3	3.3	63.2	56.2	131.0	9.2	96.2	1,560	893	10.5
	3/6/2018	452.69	19.31	0.00	433.38	3.3	0.56 (J)	3.3	2.2	9.36 (J)	21.0	72.8	826	517	ND (<1.1)
	6/20/2018	452.69	17.74	0.00	434.95	18.4	3.4	59.1	47.2	128.1	52.7	187	1,810	866	12.0
	9/5/2018	452.69	17.38	0.00	435.31	12.9	2.1	27.8	20.6	63.4	14.2	100	1,410	715	4.6 (J)
	7/18/2019	452.69	16.97	0.00	435.72	5.1	3.6	31.0	19.0	58.7	1.5	ND (<5.8)	1,640	537	9.0
	11/13/2019	452.69	18.28	0.00	434.41	15.7	12.5	112	96.9	237	0.80 (J)	8.0 (J)	2,540	1,380	55.7
	7/8/2020	452.69	17.12	0.00	435.57	6.1	2.8	28.6	12.8	50.3	2.7	26.4	920	436	7.8
	12/9/2020	452.69	17.51	0.00	435.18	8.2	9.1	39.8	56.9	114.0	0.75 (J)	68.7	2,620	740	54.5
	6/2/2021	452.69	17.62	0.00	435.07	4.5	2.7	29.0	8.1	44.3	4.1	56.6	1,690	663	18.2
	11/22/2021	452.69	18.51	0.00	434.18	6.8	4.3	20.0	14.9	46.0	2.0	ND (<5.8)	2,200	655	37.4
	5/17/2022	452.69	18.39	0.00	434.30	4.6	1.1	8.1	3.9	17.7	5.0	17.7	1,610	305	10.7
	12/7/2022	452.69	18.75	0.00	433.94	4.8	3.3	17.5	12.6	38.2	3.7	ND (<5.8)	1,920	813	31.3
	6/6/2023	452.69	18.59	0.00	434.10	2.2	0.91 (J)	9.4	4.5	17.0 (J)	7.3	ND (<5.8)	1,410	627	13.8
	10/31/2023	452.69	18.42	0.00	434.27	5.8	12.6	82.5	97.5	198.4	0.80 (J)	10.2	5,080	1,500	186
	6/19/2024	452.69	17.52	0.00	435.17	1.4	2.9	92.3	32.9	129.5	7.1	8.7 (J)	1,500	764	50.1
	11/20/2024	452.69	18.82	0.00	433.87	2.0	5.3	24.3	17.3	48.9	ND (<0.51)	ND (<5.8)	2,630	847	63.1
	6/4/2025	452.69	18.47	0.00	434.22	0.81	0.53 (J)	5.9	2.3	9.5 (J)	7.1	10.5	896	457	6.1
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
OW-1	11/22/2004	NSVD	18.36	0.00	NSVD	74.8	169	919	5,220	6,383	25	NS	NS	NS	NS
	2/23/2005	NSVD	17.93	0.00	NSVD	4.4	9.4	168	621	803	19.9	NS	NS	NS	NS
	5/19/2005	NSVD	17.44	0.00	NSVD	14.5	46	343	1,130	1,534	14.3	NS	NS	NS	NS
	8/24/2005	NSVD	18.44	0.00	NSVD	43.1	163	831	3,890	4,927	5.9	NS	NS	NS	NS
Casing: 0 to 9 feet	11/8/2005	NSVD	18.57	0.00	NSVD	4.0	17.8	344	1,050	1,416	7.7	NS	NS	NS	NS
	2/10/2006	NSVD	17.35	0.00	NSVD	1.8	11.2	77.3	328	418	2.2	NS	NS	NS	NS
	5/15/2006	NSVD	17.99	0.00	NSVD	4.0 (J)	53.4	414	1,690	2,161	6.4	NS	NS	NS	NS
	8/9/2006	NSVD	18.15	0.00	NSVD	5.8	68.4	432	1,550	2,056	10.8	NS	NS	NS	NS
Screen: 9 to 34 feet	10/17/2006	NSVD	18.50	0.00	NSVD	1.2 (J)	18.6	268	712	1,000	10.2	NS	NS	NS	NS
	4/11/2007	NSVD	17.68	0.00	NSVD	ND	26	320	1,400	1,746	8.7	ND	14,000	3,000	NS
	8/24/2007	NSVD	19.14	0.00	NSVD	ND	11	210	440	661	4.2	ND	6,900	2,400	NS
	12/27/2007	NSVD	18.98	0.00	NSVD	ND	5.8	120	3.1	128.9	3.3	13	9,600	2,400	NS
	3/27/2008	NSVD	18.24	0.00	NSVD	ND	4.2	69	382.5	455.7	5.0	7.6	9,200	2,000	NS
	6/25/2008	NSVD	NM	NM	NSVD	ND	8.7	163	347	518.7	ND	ND	8,900	1,400	NS
	9/24/2008	NSVD	16.30	0.00	NSVD	0.67 (J)	11.6	170	372	554.3	1.2	13.3 (J)	8,400	1,550	NS
	12/17/2008	NSVD	15.95	0.00	NSVD	0.46 (J)	6.2	96.3	248	351.0	ND	ND	6,020	1,490	NS
	3/31/2009	NSVD	19.19	0.00	NSVD	ND	3.4	31.2	157	191.6	1.9	ND (<25)	8,110	1,820	NS
	6/22/2009	NSVD	17.74	0.00	NSVD	0.60 (J)	7.5	111	352	471.1 (J)	1.0	ND (<25)	7,200	1,710	NS
	9/25/2009	NSVD	18.10	0.00	NSVD	ND	3.0	73.0	168	244.0	ND	ND (<50)	5,920	2,960	NS
	12/14/2009	NSVD	16.51	0.00	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	NSVD	NM	NM	NM	0.30 (J)	6.3	209	934	1,149.6 (J)	0.44 (J)	ND (<25)	8,690	1,440	NS
	3/17/2010	NSVD	15.70	0.00	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	NSVD	NM	NM	NM	ND	22.1	98.5	378	498.6	ND	ND (<25)	6,880	2,030	NS
	8/25/2010	455.81	18.27	0.00	437.54	0.71 (J)	14.7	267	376	658.41 (J)	ND	ND	8,780	2,290	NS
23 ft. sample	8/25/2010	455.81	18.27	0.00	437.54	0.88 (J)	13.4	239	384	637.28 (J)	ND	ND	8,290	2,500	ND
	1/10/2011	455.81	18.99	0.00	436.82	0.81 (J)	13.1	143	376	532.91 (J)	ND	ND	7,960	2,800	138
	6/22/2011	455.81	18.73	0.00	437.08	ND	0.20 (J)	4.3	9.1	13.6 (J)	ND	ND	353	1,110	4.1 (J)
	9/28/2011	455.81	17.56	0.00	438.25	ND	2.0	41.0	110	153.0	ND	ND	3,920	268	53.9
	12/20/2012	455.81	15.49	0.00	440.32	0.53 (J)	2.2	33.9	124	160.63 (J)	ND	ND	4,430	465	61.8
	3/20/2012	455.81	17.84	0.00	437.97	0.41 (J)	2.5	24.2	107	134.11 (J)	0.87 (J)	ND	6,030	1,760	74.4
	5/15/2012	455.81	20.16	0.00	435.65	0.65 (J)	1.1	11.8	57.4	70.95 (J)	ND	ND	2,630	514	29.4
	8/28/2012	455.81	18.31	0.00	437.50	0.54 (J)	2.8	54.3	95.0	152.64 (J)	ND	ND	5,060	1,840	70.0
	12/18/2012	455.81	18.64	0.00	437.17	0.90 (J)	3.6	77.8	145	227.30 (J)	0.42 (J)	ND	4,890	1,280	58.8
	3/19/2013	455.81	18.05	0.00	437.76	0.80 (J)	2.0	21.5	84.5	108.80 (J)	0.74 (J)	ND	3,670	1,280	41.3
	6/18/2013	455.81	17.91	0.00	437.90	ND	1.5	21.8	48.1	71.4	ND	ND	4,330	2,190	56.7
	9/19/2013	455.81	19.03	0.00	436.78	ND	2.5	53.7	68.5	124.7	ND	ND	3,910	1,200	65.5
	11/22/2013	455.81	19.13	0.00	436.68	0.38 (J)	5.1	116	92.4	213.88 (J)	ND	ND	5,810	1,620	98.6
	3/20/2014	455.81	17.24	0.00	438.57	0.33 (J)	1.7	27.4	35.5	64.93 (J)	0.52 (J)	ND	4,100	1,240	45.3
	6/18/2014	455.81	18.82	0.00	436.99	2.2	3.5	47.6	65.1	118.4	7.9	ND	6,150	***	66.4
	6/30/2014	455.81	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	2,020	NS
***	9/23/2014	455.31	20.88	0.00	434.43	0.43 (J)	1.6	53.3	135	190.33 (J)	1.5	56.7	7,780	1,170	72.0
	12/23/2014	455.31	21.28	0.00	434.03	0.81	1.4	13.1	34.2	49.51	1.5	33.9	4,310	1,280	23.6
	3/24/2015	455.31	21.08	0.00	434.23	0.47 (J)	0.64 (J)	2.3	8.9	12.31 (J)	ND	ND	3,180	787	14.6
	6/22/2015	455.31	20.58	0.00	434.73	1.4	0.32 (J)	1.0	1.8	4.52 (J)	6.9	29.5	1,370	918	3.4 (J)
	9/21/2015	455.31	20.73	0.00	434.58	1.7	0.27 (J)	1.4	1.8	5.17 (J)	5.3	24.5	982	515	1.3 (J)
	12/9/2015	455.31	21.23	0.00	434.08	2.3	0.23 (J)	0.93 (J)	1.3	4.76 (J)	6.9	19.5	1,040	459	0.76 (J)
	3/8/2016	455.31	20.54	0.00	434.77	1.9	ND	0.36 (J)	ND	2.26 (J)	6.1	ND	1,100	373	0.33 (J)
	6/7/2016	455.31	20.58	0.00	434.73	2.5	0.33 (J)	2.5	3.0	8.33 (J)	6.6	14.0	934	370	ND
	9/13/2016	455.31	21.03	0.00	434.28	0.99	ND	ND	ND	0.99	3.3	10.7	583	209	ND
	11/21/2016	455.31	21.82	0.00	433.49	1.2	ND	0.56 (J)	ND	1.76 (J)	4.2	11.4	486	344	ND
	3/9/2017	455.31	22.04	0.00	433.27	1.5	ND	0.34 (J)	0.58 (J)	2.42 (J)	7.9	ND	845	298	ND (<1.0)
	6/7/2017	455.31	21.22	0.00	434.09	1.6	ND	0.47 (J)	0.69 (J)	2.76 (J)	7.3	11.5	572	356	ND (<1.0)
	9/6/2017	455.31	21.27	0.00	434.04	1.3	ND	0.37 (J)	0.45 (J)	2.12 (J)	4.7	12.8	583	348	ND (<1.1)
	11/1/2017	455.31	21.53	0.00	433.78	1.4	ND	0.49 (J)	0.32 (J)	2.2 (J)	6.1	11.3	439	336	ND (<1.1)
	3/6/2018	455.31	21.77	0.00	433.54	1.5	ND	1.3	8.6	11.4	7.5	19.7	962	511	ND (<1.1)
	6/20/2018	455.31	20.03	0.00	435.28	1.7	0.45 (J)	2.8	16.1	21.1 (J)	6.2	14.2	746	469	ND (<1.1)
	9/5/2018	455.31	19.61	0.00	435.70	2.2	ND	7.8	8.3	18.3	5.2	21.3	816	441	1.2 (J)
	7/18/2019	455.31	19.23	0.00	436.08										
	11/13/2019	455.31	20.66	0.00	434.65										
	7/8/2020	455.31	19.35	0.00	435.96										
	12/9/2020	455.31	19.70	0.00	435.61										
	6/2/2021	455.31	19.92	0.00	435.39										
	11/22/2021	455.31	20.86	0.00	434.45										
	5/17/2022	455.31	20.90	0.00	434.41										
	12/7/2022	455.31	21.14	0.00	434.17										
	6/7/2023	455.31	20.03	0.00	435.28	0.88	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.56	5.0	7.2 (J)	641	506	ND (<2.5)
	10/31/2023	455.31	20.80	0.00	434.51										
	6/19/2024	455.31	19.78	0.00	435.53										
	11/20/2024	455.31	21.25	0.00	434.06										
	6/4/2025	455.31	20.80	0.00	434.51										
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
YMW-1	6/13/2006	433.72	3.00	0.00	430.72	21.7	30.1	559	373	984	15.6	NS	NS	NS	NS
	7/17/2006	433.72	3.95	0.00	429.77	5.3	61.4	543	1,390	2,000	ND	NS	NS	NS	NS
	4/11/2007	433.72	4.89	0.00	428.83	5.5	140	1,200	3,300	4,646	ND	ND	37,000	ND	NS
	8/24/2007	433.72	5.94	0.00	427.78	4.6	60	660	850	1,574.6	ND	ND	12,000	1,500	NS
Casing: 0 to 2 feet	12/27/2007	433.72	5.29	0.00	428.43	4.8	32	500	30	566.8	ND	ND	14,000	1,500	NS
	3/27/2008	433.72	5.19	0.00	428.53	5.6	73	610	1,510	2,198.6	1.2	ND	9,600	1,000	NS
	6/25/2008	433.72	1.68	0.00	432.04	4.0	92.7	648	1,700	2,444.7	ND	ND	14,300	1,980	NS
	9/24/2008	433.72	2.55	0.00	431.17	2.3	38.1	477	912	1,429.4	ND	ND	11,200	1,010	NS
Screen: 2 to 14 feet	12/17/2008	433.72	2.30	0.00	431.42	2.0	38.5	346	1,000	1,386.5	ND	ND	10,700	731	NS
	3/31/2009	433.72	2.78	0.00	430.94	7.7	20.2	112	290	429.9	6.1	ND (<25)	7,790	567	NS
	6/22/2009	433.72	1.13	0.00	432.59	1.9 (J)	54.4	557	1,470	2,083.3 (J)	ND	ND (<130)	11,600	1,810	NS
	9/25/2009	433.72	0.20	0.00	433.52	2.0	28.1	325	701	1,056.1	ND	ND (<50)	8,540	1,540	NS
	12/14/2009	433.72	0.00	0.00	433.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	433.72	NM	NM	NM	ND	40.7	401	1,490	1,931.7	ND	ND (<130)	10,700	1,760	NS
	3/17/2010	433.72	0.01	0.00	433.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	433.72	NM	NM	NM	ND	60.4	407	1,060	1,527.4	ND	ND (<130)	10,500	1,080	NS
	8/25/2010	434.11	1.39	0.00	432.72	2.3 (J)	81.1	635	1,250	1,968.4	ND	131	5,500	796	234
	1/12/2011	434.11	1.51	0.00	432.60	1.8	40.6	464	1,620	2,126.4	ND	ND	11,500	2,080	168
	6/22/2011	434.11	1.34	0.00	432.77	0.74 (J)	18.0	181	392	591.74 (J)	ND	ND	4,200	1,530	59.3
	9/28/2011	434.11	0.03	0.00	434.08	1.6	31.3	463	685	1,180.9	ND	ND	7,580	ND (<110)	168
	12/20/2012	434.11	1.01	0.00	433.10	1.4 (J)	52.0	792	1,530	2,375.4 (J)	ND	ND	12,600	1,161	285
	3/20/2012	434.11	0.90	0.00	433.21	0.51 (J)	11.4	145	298	454.91 (J)	ND	ND	1,690	1,140	58.6
	5/15/2012	434.11	0.04	0.00	434.07	3.5	7.3	14.1	73.8	98.7	5.8	21.8 (J)	2,420	1,650	83.3
	8/28/2012	434.11	1.56	0.00	432.55	1.9 (J)	22.0	240	107	370.9 (J)	ND	ND	5,040	1,860	156
	12/18/2012	434.11	0.50	0.00	433.61	2.0	23.4	178	143	346.4	ND	ND	3,790	616	15.1
	3/19/2013	434.11	0.03	0.00	434.08	1.3	54.4	444	645	1,144.7	ND	ND	6,810	807	184
	6/18/2013	434.11	0.89	0.00	433.22	0.90 (J)	21.3	231	164	417.2 (J)	ND	ND	3,770	1,280	104
	9/19/2013	434.11	1.49	0.00	432.62	2.2	27.3	428	173	630.5	ND	ND	5,960	1,560	200
	11/22/2013	434.11	0.50	0.00	433.61	2.2	23.0	377	89.5	491.7	ND	ND	8,760	1,130	186
	3/20/2014	434.11	0.01	0.00	434.10	1.4	18.6	234	69.5	323.5	ND	ND	3,210	659	57.4
***	6/18/2014	434.11	3.62	0.00	430.49	3.3	19.2	96.6	104	223.1	ND	ND	4,710	***	132
***	6/30/2014	434.11	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	1,040	NS
	9/23/2014	433.64	5.33	0.00	428.31	0.72	1.4	0.98 (J)	2.7	5.8 (J)	ND	ND	775	269	2.3 (J)
	12/23/2014	433.64	4.19	0.00	429.45	0.31 (J)	0.33 (J)	2.5	0.61 (J)	3.75 (J)	ND	ND	277	ND (<80)	ND
	3/24/2015	433.64	3.02	0.00	430.62	ND	ND	2.0	0.57 (J)	2.57 (J)	ND	ND	ND	ND (<77)	0.97 (J)
	6/22/2015	433.64	3.04	0.00	430.60	ND	ND	0.39 (J)	ND	0.39 (J)	ND	ND	ND	108	ND
	9/21/2015	433.64	4.94	0.00	428.70	0.60	ND	0.61 (J)	ND	1.21 (J)	ND	ND	205	144	0.81 (J)
	12/9/2015	433.64	4.37	0.00	429.27	ND	ND	1.7	ND	1.7	ND	ND	ND	160	ND
	3/8/2016	433.64	3.31	0.00	430.33	0.24	0.16	0.27	0.17	0.84	ND	ND	ND (<55)	ND (<64)	ND
	6/7/2016	433.64	3.90	0.00	429.74	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND
	9/13/2016	433.64	5.47	0.00	428.17	0.86	ND	ND	ND	0.86	ND	ND	157 (J)	112	ND
	11/21/2016	433.64	6.21	0.00	427.43	0.35 (J)	ND	ND	ND	0.35 (J)	ND	ND	ND (<100)	ND (<64)	ND
	3/9/2017	433.64	5.40	0.00	428.24	0.41 (J)	ND	13.1	0.46 (J)	13.97 (J)	ND	ND	184	ND (<64)	ND (<1.0)
	6/7/2017	433.64	4.25	0.00	429.39	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND (<1.0)
	9/6/2017	433.64	4.44	0.00	429.20	0.14	0.2	0.2	0.2	0.78	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	11/1/2017	433.64	5.37	0.00	428.27	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	3/6/2018	433.64	4.16	0.00	429.48	ND	ND	0.86 (J)	ND	0.86 (J)	ND	ND	ND (<100)	90.6	ND (<1.1)
	6/20/2018	433.64	3.08	0.00	430.56	0.55	ND	ND	ND	0.55	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	9/5/2018	433.64	3.35	0.00	430.29	0.43	0.53	0.59	0.59	2.14	ND	ND	ND (<100)	ND (<53)	ND (<0.90)
	7/18/2019	433.64	2.73	0.00	430.91	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<42)	ND (<53)	ND (<0.98)
	11/13/2019	433.64	4.19	0.00	429.45	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	128 (J)	ND (<53)	ND (<2.5)
	7/8/2020	433.64	2.87	0.00	430.77	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<100)	ND (<53)	ND (<2.5)
	12/9/2020	433.64	2.59	0.00	431.05	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<100)	ND (<53)	ND (<2.5)
	6/2/2021	433.64	3.41	0.00	430.23	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<100)	ND (<49)	ND (<2.5)
	11/22/2021	433.64	4.09	0.00	429.55	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<100)	128	ND (<2.5)
	5/17/2022	433.64	2.93	0.00	430.71	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<53)	ND (<2.5)
	12/7/2022	433.64	3.27	0.00	430.37	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<55)	ND (<2.5)
	6/6/2023	433.64	4.40	0.00	429.24	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<64)	ND (<2.5)
	10/31/2023	433.64	4.25	0.00	429.39	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	114	ND (<38)	ND (<4.4)
	6/19/2024	433.64	3.74	0.00	429.90	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	111	ND (<38)	ND (<4.4)
	11/20/2024	433.64	5.06	0.00	428.58	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<40)	ND (<4.4)
	6/4/2025	433.64	2.64	0.00	431.00	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<35)	ND (<4.4)
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
YMW-2 Casing: 0 to 2 feet Screen: 2 to 14 feet	6/13/2006	431.42	0.89	0.00	430.53	3.3	47.6	211	656	917.9	2.3	NS	NS	NS	NS
	7/17/2006	431.42	1.25	0.00	430.17	14.9	25.6	533	285	858.5	10.7	NS	NS	NS	NS
	4/11/2007	431.42	1.60	0.00	429.82	15	24	630	670	1,339	14	17	1,400	3,000	NS
	8/24/2007	431.42	2.61	0.00	428.81	16	59	250	270	595	14	ND	4,800	3,200	NS
	12/27/2007	431.42	2.48	0.00	428.94	13	21	370	14	418	9.9	17	13,000	2,300	NS
	3/27/2008	431.42	1.06	0.00	430.36	8.2	21	260	395	684.2	7.7	ND	7,700	1,400	NS
	6/25/2008	431.42	1.00	0.00	430.42	11.5	38.5	66.3	163	279.3	10.5	ND	6,010	1,550	NS
	9/24/2008	431.42	1.15	0.00	430.27	13.5	45.7	125	215	399.2	9	ND	7,710	2,000	NS
	12/17/2008	431.42	1.00	0.00	430.42	1.3	2.4	22.7	33.9	60.3	1.1	ND	920	ND	NS
	3/31/2009	431.42	1.66	0.00	429.76	8.1	23.2	164	357	552.3	5.8	ND (<25)	7,750	1,030	NS
	6/22/2009	431.42	0.60	0.00	430.82	6.6	14.6	43.8	93.8	158.8	4.1	ND (<25)	3,960	977	NS
	9/25/2009	431.42	0.30	0.00	431.12	9.1	25.8	73.0	178	285.9	6.5	ND (<25)	5,290	3,070	NS
	12/14/2009	431.42	0.10	0.00	431.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/2009	431.42	NM	NM	NM	4.8	12.0	117	176	309.8	2.7	ND (<25)	4,560	534	NS
	3/17/2010	431.42	0.74	0.00	430.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/18/2010	431.42	NM	NM	NM	4.9	17.0	115	187	323.9	3.8	ND (<25)	3,670	549	NS
	8/25/2010	431.34	0.90	0.00	430.44	6.9	25.4	63.8	118	214.1	5.3	ND	5,820	1,580	239
	11/11/2011	431.34	1.39	0.00	429.95	7.0	23.6	199	251	480.6	4.8	ND	7,190	1,950	215
	6/23/2011	431.34	0.87	0.00	430.47	1.8	3.0	2.1	7.8	14.7	5.5	ND	2,140	649	17.8
	9/29/2011	431.34	0.08	0.00	431.26	6.9	19.6	29.0	138	193.5	9.4	31.5	3,010	1,140	150
	12/21/2012	431.34	0.92	0.00	430.42	7.2	14.9	98.0	194	314.1	8.6	ND	5,510	1,470	164
	3/21/2012	431.34	1.18	0.00	430.16	4.1	8.6	38.1	90.5	141.3	6.5	27.3	3,800	859	86.2
	5/16/2012	431.34	1.47	0.00	429.87	1.0 (J)	28.6	450	551	1,030.6 (J)	ND	ND	8,100	1,820	247
	8/29/2012	431.34	0.59	0.00	430.75	4.7	15.2	25.4	135	180.3	4.7	39.0	4,490	1,990	157 (E)
	12/19/2012	431.34	1.03	0.00	430.31	4.5	19.1	77.9	229	330.5	3.1	ND	6,000	1,300	148
	3/20/2013	431.34	1.00	0.00	430.34	2.9	12.4	55.1	133	203.4	5.0	ND	3,550	582	96.5
	6/19/2013	431.34	0.58	0.00	430.76	2.2	7.9	6.2	85.8	102.1	4.6	ND	3,190	612	61.1
	9/19/2013	431.34	0.08	0.00	431.26	3.2	18.9	23.3	158	203.4	2.7	ND	3,770	1,250	102
	11/22/2013	431.34	0.50	0.00	430.84	0.98 (J)	4.1	12.3	67.9	85.28 (J)	1.4	ND	2,180	747	34.3
	3/20/2014	431.34	0.00	0.00	431.34	4.5	7.6	124	178	314.1	4.7	ND	4,340	934	76.6
	6/18/2014	431.34	1.23	0.00	430.11	0.89	0.43 (J)	9.4	24.6	35.32 (J)	ND	ND	729	***	2.2 (J)
	6/30/2014	431.34	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	183	NS
	9/23/2014	431.37	2.51	0.00	428.86	3.4	ND	ND	ND	3.4	13.4	77.3	759	313	ND
	12/23/2014	431.37	2.64	0.00	428.73	2.7	ND	ND	ND	2.7	18.7	103	740	310	ND
	3/24/2015	431.37	2.78	0.00	428.59	3.0	0.27 (J)	ND	ND	3.27 (J)	22.6	92.9	671	309	ND
	6/22/2015	431.37	2.51	0.00	428.86	2.4	ND	ND	ND	2.4	12.7	87.7	336	315	0.41 (J)
	9/21/2015	431.37	2.58	0.00	428.79	4.0	ND	ND	ND	4.0	18.2	150	391	320	ND
	12/9/2015	431.37	3.94	0.00	427.43	6.8	1.6	0.96 (J)	5.7	15.06 (J)	16.5	202	671	345	1.6 (J)
	3/8/2016	431.37	2.97	0.00	428.40	2.2	ND	ND	ND	2.2	19.6	99.2	364	ND (<64)	ND
	6/7/2016	431.37	2.84	0.00	428.53	5.2	ND	ND	ND	5.2	14.3	96.4	222	ND (<64)	ND
	9/13/2016	431.37	2.44	0.00	428.93	3.3	ND	ND	ND	3.3	11.6	135	304	489	ND
	11/21/2016	431.37	2.94	0.00	428.43	5.8	ND	ND	ND	5.8	ND	185	645	260	ND
	3/9/2017	431.37	2.94	0.00	428.43	5.8	ND	0.51 (J)	0.45 (J)	6.76 (J)	7.9	185	727	ND (<64)	ND (<1.0)
	6/7/2017	431.37	3.10	0.00	428.27	1.1	ND	ND	ND	1.1	11.5	238	376	318	ND (<1.0)
	9/6/2017	431.37	2.65	0.00	428.72	0.17	0.25	0.22	0.22	0.86	10.7	280	334	358	ND (<1.1)
	11/1/2017	431.37	2.67	0.00	428.70	0.17	0.25	0.22	0.22	0.86	ND	338	374	420	ND (<1.1)
	3/6/2018	431.37	2.85	0.00	428.52	0.53	ND	ND	ND	0.53	5.8	200	514	308	ND (<1.1)
	6/20/2018	431.37	2.58	0.00	428.79	ND	ND	ND	ND	ND	20.6	189	150 (J)	162	ND (<1.1)
	9/5/2018	431.37	2.51	0.00	428.86	ND	ND	ND	ND	ND	22.3	184	144 (J)	151	ND (<0.98)
	7/18/2019	431.37	3.01	0.00	428.36	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	54.4	59.0	158 (J)	ND (<53)	ND (<0.98)
	11/13/2019	431.37	2.61	0.00	428.76	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	9.4	27.5	337	178	ND (<2.5)
	7/8/2020	431.37	1.27	0.00	430.10	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	1.5	ND (<5.8)	ND (<100)	ND (<53)	ND (<2.5)
	12/9/2020	431.37	2.13	0.00	429.24	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	85.5	42.6	173	ND (<53)	ND (<2.5)
	6/2/2021	431.37	2.55	0.00	428.82	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	122	42.4	169	218	ND (<2.5)
	11/22/2021	431.37	2.38	0.00	428.99	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	15.3	59.3	611	488	ND (<2.5)
	5/17/2022	431.37	2.17	0.00	429.20	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	46.9	31.3	250	ND (<53)	ND (<2.5)
	12/7/2022	431.37	2.10	0.00	429.27	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	2.4	ND (<5.8)	ND (<110)	ND (<53)	ND (<2.5)
	6/6/2023	431.37	2.74	0.00	428.63	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	16.3	20.0	470	558	ND (<2.5)
	10/31/2023	431.37	2.55	0.00	428.82	1.9	0.58 (J)	ND (<0.60)	5.4	-8.5	6.8	14.6	444	188	ND (<4.4)
	6/19/2024	431.37	2.52	0.00	428.85	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	49.5	26.7	247	110	ND (<4.4)
	11/20/2024	431.37	2.61	0.00	428.76	1.0	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.68	10.4	12.8	468	175	ND (<4.4)
	6/4/2025	431.37	2.46	0.00	428.91	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	11.1	12.4	118 (J)	ND (<36)	ND (<4.4)
YMW-3 Casing: 0 to 4.5 feet Screen: 4.5 to 19.5 feet	9/23/2014	440.39	9.41	0.00	430.98	ND	0.39 (J)	9.0	5.1	14.49 (J)	ND	ND	268	327	1.1 (J)
	12/23/2014	440.39	9.86	0.00	430.53	ND	ND	ND	ND	ND	ND	ND	ND	ND (<80)	ND
	3/24/2015	440.39	8.17	0.00	432.22	ND	ND	ND	ND	ND	ND	ND	ND	ND (<76)	ND
	6/22/2015	440.39	8.54	0.00	431.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/21/2015	440.39	9.21	0.00	431.18	ND	ND	ND	ND	ND	ND	ND	ND	ND (<58)	ND
	12/9/2015	440.39	8.83	0.00	431.56	ND	ND	ND	ND	ND	ND	ND	ND	231	ND
	3/8/2016	440.39	8.63	0.00	431.76	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND
	6/7/2016	440.39	8.86	0.00	431.53	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND
	9/13/2016	440.39	9.54	0.00	430.85	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND
	11/21/2016	440.39	10.44	0.00	429.95	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND
	3/9/2017	440.39	9.55	0.00	430.84	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND (<1.0)
	6/7/2017	440.39	8.82	0.00	431.57	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<64)	ND (<1.0)
	9/6/2017	440.39	8.84	0.00	431.55	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	11/1/2017	440.39	9.34	0.00	431.05	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	3/6/2018	440.39	7.97	0.00	432.42	ND	ND	ND	ND	ND	ND	13.3	ND (<100)	ND (<83)	ND (<1.1)
	6/20/2018	440.39	8.27	0.00	432.12	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)
	9/5/2018	440.39	8.48	0.00	431.91	ND	ND	ND	ND	ND	ND	ND	ND (<100)		

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
YMW-4	9/23/2014	433.72	4.71	0.00	429.01	6.1	9.2	94.0	192	301.3	4.3	ND	3,780	1,050	45.0
	12/23/2014	433.72	4.31	0.00	429.41	5.7	14.2	44.7	219	283.6	5.9	16.6	4,240	612	57.3
	3/24/2015	433.72	4.06	0.00	429.66	4.0	21.6	36.6	434	496.2	10.6	53.8	4,470	1,190	73.1
	6/22/2015	433.72	3.96	0.00	429.76	5.6	21.6	36.3	376	439.5	24.5	114	4,280	2,460	124
	9/21/2015	433.72	4.45	0.00	429.27	7.8	17.2	33.2	289	347.2	38.9	163	5,480	1,560	138
	12/9/2015	433.72	4.34	0.00	429.38	9.2	13.7	31.9	252	306.8	38.4	251	5,110	1,560	87.8
	3/8/2016	433.72	4.18	0.00	429.54	2.4	3.1	4.4	39.0	48.9	10	68.8	828	414	15.8
	6/7/2016	433.72	4.18	0.00	429.54	13.9	9.5	27.8	116	167.2	32.3	280	4,040	1,790	98.7
	9/13/2016	433.72	4.46	0.00	429.26	18.4	8.7	25.3	108	160.4	24.9	240	3,500	2,490	64.3
	11/21/2016	433.72	4.85	0.00	428.87	18.8	5.2	13.6	59.5	97.1	28.4	247	3,520	299	28.9
	3/9/2017	433.72	4.30	0.00	429.42	19.6	4.8	8.9	47.4	80.7	50.9	ND	2,830	925	32.4
	6/7/2017	433.72	4.26	0.00	429.46	13.4	3.0	7.6	18.7	42.7	21.4	169	1,940	1,300	20.8
	9/6/2017	433.72	4.18	0.00	429.54	0.49 (J)	ND	0.70 (J)	1.6	2.79 (J)	0.46 (J)	7.2 (J)	262	134	ND (<1.1)
	11/1/2017	433.72	4.41	0.00	429.31	20.9	12.9	35.9	286	355.7	17.8	345	3,570	1,730	50.3
	3/6/2018	433.72	4.24	0.00	429.48	6.2	2.2	3.6	29.6	41.6	10.0	144	688	383	4.8 (J)
	6/20/2018	433.72	3.89	0.00	429.83	5.0	ND	0.63 (J)	ND	5.6 (J)	16.6	361	591	623	ND (<1.1)
	9/5/2018	433.72	4.01	0.00	429.71	10.4	0.72 (J)	4.2	5.7	21.0 (J)	14.0	355	1,010	813	1.9 (J)
	7/18/2019	433.72	3.79	0.00	429.93	1.8	ND (<0.53)	ND (<0.60)	ND (<0.59)	<3.5	181	384	625	406	ND (<0.98)
	11/13/2019	433.72	4.16	0.00	429.56	8.7	0.60 (J)	ND (<0.60)	ND (<0.59)	<10.5	6.6	120	764	582	ND (<2.5)
	7/8/2020	433.72	3.53	0.00	430.19	12.0	1.5	2.1	7.6	23.2	ND (<0.51)	87.0	1,070	893	8.7
	12/9/2020	433.72	3.57	0.00	430.15	9.7	ND (<0.53)	ND (<0.60)	ND (<0.59)	<11.4	36.1	89.5	836	496	ND (<2.5)
	6/2/2021	433.72	4.07	0.00	429.65	11.9	0.56 (J)	ND (<0.60)	ND (<0.59)	<13.7	130	153	1,080	460	ND (<2.5)
	11/22/2021	433.72	4.11	0.00	429.61	5.2	ND (<0.53)	ND (<0.60)	ND (<0.59)	<6.9	6.2	56.1	749	548	ND (<2.5)
	5/17/2022	433.72	3.80	0.00	429.92	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	17.0	77.5	887	174	ND (<2.5)
	12/7/2022	433.72	3.79	0.00	429.93	0.65	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.33	7.0	31.8	620	225	ND (<2.5)
	6/6/2023	433.72	4.50	0.00	429.22	2.4	1.1	ND (<0.60)	3.0	<7.1	8.9	46.0	1,840	1,040	ND (<2.5)
	10/31/2023	433.72	4.26	0.00	429.46	1.4	0.60 (J)	ND (<0.60)	2.2	<4.8	4.8	20.4	716	286	ND (<4.4)
	6/19/2024	433.72	4.14	0.00	429.58	0.60	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.28	84.7	95.7	382	207	ND (<4.4)
	11/20/2024	433.72	4.58	0.00	429.14	0.48 (J)	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.16	4.5	18.2	936	464	ND (<4.4)
	6/4/2025	433.72	3.88	0.00	429.84	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	6.0	20.8	525	340	ND (<4.4)
YMW-5	9/23/2014	430.70	4.42	0.00	426.28	ND	ND	ND	181	0.63 (J)	6.6	ND	294	273	ND
	12/23/2014	430.70	5.52	0.00	425.18	0.25 (J)	ND	ND	ND	0.25 (J)	5.6	ND	ND	ND (<80)	ND
	3/24/2015	430.70	3.05	0.00	427.65	0.65	ND	ND	ND	0.65	7.7	7.0 (J)	ND	ND (<80)	ND
	6/22/2015	430.70	3.05	0.00	427.65	0.92	ND	ND	ND	0.92	6.3	10.3	ND	123	ND
	9/21/2015	430.70	3.52	0.00	427.18	0.54	ND	ND	ND	0.54	9.2	23.5	ND	98.0	ND
	12/9/2015	430.70	3.16	0.00	427.54	0.35 (J)	ND	ND	ND	0.35 (J)	7.4	27.3	ND	ND (<64)	ND
	3/8/2016	430.70	2.99	0.00	427.71	0.38 (J)	ND	ND	ND	0.38 (J)	6.8	19.7	ND (<55)	ND (<64)	ND
	6/7/2016	430.70	3.01	0.00	427.69	0.23 (J)	ND	ND	ND	0.23 (J)	6.8	12.6	ND (<55)	ND (<64)	ND
	9/13/2016	430.70	3.39	0.00	427.31	0.20 (J)	ND	ND	ND	0.20 (J)	6.6	15.4	ND (<100)	ND (<64)	ND
	11/21/2016	430.70	3.74	0.00	426.96	ND	ND	ND	ND	ND	6.2	26.2	ND (<100)	565	ND
	3/9/2017	430.70	3.14	0.00	427.56	0.30 (J)	ND	ND	ND	0.30 (J)	5.7	23.2	ND (<100)	ND (<64)	ND (<100)
	6/7/2017	430.70	3.07	0.00	427.63	0.25 (J)	ND	ND	ND	0.25 (J)	4.5	13.5	ND (<100)	105	ND (<100)
	9/6/2017	430.70	2.98	0.00	427.72	ND	ND	ND	ND	ND	3.6	12.2	ND (<100)	171	ND (<1.1)
	11/1/2017	430.70	3.23	0.00	427.47	ND	ND	ND	ND	ND	5.5	27.9	ND (<100)	109	ND (<1.1)
	3/6/2018	430.70	2.83	0.00	427.87	ND	ND	ND	ND	ND	4.2	27.9	ND (<100)	98.6	ND (<1.1)
	6/20/2018	430.70	2.67	0.00	428.03	ND	ND	ND	ND	ND	3.0	ND	ND (<100)	ND (<83)	ND (<1.1)
	9/5/2018	430.70	2.74	0.00	427.96	ND	ND	ND	ND	ND	3.3	ND	ND (<100)	ND (<53)	ND (<0.98)
	7/18/2019	430.70	2.36	0.00	428.34					Not sampled					
	11/13/2019	430.70	2.70	0.00	428.00					Not sampled					
	7/8/2020	430.70	1.87	0.00	428.83					Not sampled					
	12/9/2020	430.70	2.31	0.00	428.39					Not sampled					
	6/2/2021	430.70	2.67	0.00	428.03					Not sampled					
	11/22/2021	430.70	2.65	0.00	428.05					Not sampled					
	5/17/2022	430.70	2.43	0.00	428.27					Not sampled					
	12/7/2022	430.70	0.82	0.00	429.88					Not sampled					
	6/6/2023	430.70	3.14	0.00	427.56	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	3.3	ND (<5.8)	ND (<110)	293	ND (<2.5)
	10/31/2023	430.70	2.81	0.00	427.89					Not sampled					
	6/19/2024	430.70	4.37	0.00	426.33					Not sampled					
	11/20/2024	430.70	3.17	0.00	427.53					Not sampled					
	6/4/2025	430.70	2.54	0.00	428.16					Not sampled					
YMW-6	9/23/2014	432.68	6.61	0.00	426.07	ND	ND	ND	ND	ND	1.5	26.9	ND	ND (<80)	ND
	12/23/2014	432.68	5.69	0.00	426.99	ND	ND	ND	ND	ND	1.4	24.7	ND	ND (<80)	ND
	3/24/2015	432.68	5.11	0.00	427.57	ND	ND	ND	ND	ND	2.1	44.5	ND	ND (<80)	ND
	6/22/2015	432.68	5.11	0.00	427.57	ND	ND	ND	ND	ND	2.4	65.6	ND	ND	ND
	9/21/2015	432.68	6.11	0.00	426.57	ND	ND	ND	ND	ND	2.9	73.3	ND	76.9	ND
	12/9/2015	432.68	5.56	0.00	427.12	ND	ND	ND	ND	ND	2.9	80.3	ND	ND (<64)	ND
	3/8/2016	432.68	5.10	0.00	427.58	ND	ND	ND	ND	ND	3.3	91.0	ND (<55)	ND (<64)	ND
	6/7/2016	432.68	5.36	0.00	427.32	ND	ND	ND	ND	ND	4.3	109	ND (<55)	ND (<64)	ND
	9/13/2016	432.68	6.38	0.00	426.30	ND	ND	ND	ND	ND	4.3	98.6	ND (<100)	ND (<64)	ND
	11/21/2016	432.68	7.05	0.00	425.63	ND	ND	ND	ND	ND	3.8	85.9	ND (<100)	ND (<64)	ND
	3/9/2017	432.68	6.25	0.00	426.43	ND	ND	ND	ND	ND	4.5	ND	ND (<100)	ND (<64)	ND (<1.0)
	6/7/2017	432.68	5.49	0.00	427.19	ND	ND	ND	ND	ND	4.9	97.3	ND (<100)	ND (<64)	ND (<1.0)
	9/6/2017	432.68	6.25	0.00	426.43	ND	ND	ND	ND	ND	4.0	89.6	ND (<100)	ND (<83)	ND (<1.1)
	11/1/2017	432.68	6.65	0.00	426.03	ND	ND	ND	ND	ND	4.7	83.7	ND (<100)	ND (<83)	ND (<1.1)
	3/6/2018	432.68	5.35	0.00	427.33	ND	ND	ND	ND	ND	5.0	85.6	ND (<100)	ND (<83)	ND (<1.1)
	6/20/2018	432.68	4.89	0.00	427.79	ND	ND	ND	ND	ND	5.5	96.8	ND (<100)	ND (<83)	ND (<1.1)
	9/5/2018	432.68	5.05	0.00	427.63	ND	ND	ND	ND	ND	5.3	98.4	ND (<100)	ND (<53)	ND (<0.98)
	7/18/2019	432.68	4.74	0.00	427.94					Not sampled					
	11/13/2019	432.68	5.49	0.00	427.19					Not sampled					
	7/8/2020	432.68	4.65	0.00	428.03					Not sampled					
	12/9/2020	432.68	4.48	0.00	428.20					Not sampled					
	6/2/2021	432.68	5.03	0.00	427.65					Not sampled					
	11/22/2021	432.68	5.44	0.00	427.24					Not sampled					
	5/1														

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)	
YMW-7 Casing: 0 to 18 feet Screen: 18 to 28 feet	9/23/2014	449.40	15.33	0.00	434.07	173	141	428	2,240	2,982	10.0	ND	17,500	1,670	73.6	
	12/23/2014	449.40	15.16	0.00	434.24	176	130	690	2,580	3,576	9.1 (J)	ND	23,800	2,250	99.7	
	3/24/2015	449.40	15.54	0.00	433.86	142	78.0	261	2,330	2,811	11.4	ND	16,300	2,560	92.8	
	6/22/2015	449.40	15.22	0.00	434.18	134	37.4	146	828	1,145.4	9.1	ND	6,820	1,680	39.8	
	9/21/2015	449.40	15.32	0.00	434.08	101	18.9	67.9	286	473.8	8.3	17.0	4,970	736	22.1	
	12/9/2015	449.40	15.68	0.00	433.72	129	80.2	301	1,140	1,650.2	7.3	ND	14,100	1,630	122	
	3/8/2016	449.40	15.13	0.00	434.27	136	52.0	140	688	1,016.0	7.3	17.0 (J)	7,050	1,300	97.7	
	6/7/2016	449.40	15.09	0.00	434.31	127	42.3	166	620	955.3	7.6	15.7	7,370	1,320	75.6	
	9/13/2016	449.40	15.47	0.00	433.93	118	65.2	296	961	1,440.2	6.9	14.0 (J)	9,010	1,480	103	
	11/21/2016	449.40	15.69	0.00	433.71	97.2	68.1	313	1,080	1,558.3	ND	ND	10,300	841	108	
	3/9/2017	449.40	16.31	0.00	433.09	45.0	81.7	342	1,450	1,918.7	1.9	ND	12,000	1,290	121	
	6/7/2017	449.40	15.24	0.00	434.16	60.0	76.2	303	1,310	1,749.2	2.6 (J)	ND	13,100	2,350	124	
	9/6/2017	449.40	15.68	0.00	433.72	57.3	92.3	398	1,470	2,017.6	ND	ND	13,200	1,650	130	
	11/1/2017	449.40	15.91	0.00	433.49	48.5	89.6	374	1,550	2,062	ND	ND	13,200	2,330	116	
	3/6/2018	449.40	16.12	0.00	433.28	37.9	54.1	267	1,190	1,549	1.4	ND	13,000	2,170	91.5	
	6/20/2018	449.40	14.75	0.00	434.65	57.9	23.6	195	473	750	2.7	15.9 (J)	6,530	1,100	63.4	
	9/5/2018	449.40	14.43	0.00	434.97	64.9	10.1	105	207	387	3.5	12.1	3,810	ND (<53)	39.8	
	7/18/2019	449.40	13.96	0.00	435.44											
	11/13/2019	449.40	14.98	0.00	434.42											
	7/8/2020	449.40	14.11	0.00	435.29											
	12/9/2020	449.40	14.32	0.00	435.08											
	6/2/2021	449.40	14.53	0.00	434.87											
	11/22/2021	449.40	15.32	0.00	434.08											
	5/17/2022	449.40	15.26	0.00	434.14											
	12/7/2022	449.40	15.58	0.00	433.82											
	6/6/2023	449.40	15.43	0.00	433.97	44.0	7.0	185	319	555	1.7	ND (<5.8)	4,100	1,560	72.3	
	10/31/2023	449.40	15.35	0.00	434.05											
	6/19/2024	449.40	14.48	0.00	434.92											
	11/20/2024	449.40	15.65	0.00	433.75											
	6/4/2025	449.40	15.35	0.00	434.05											
YMW-8 Casing: 0 to 7 feet Screen: 7 to 22 feet	9/23/2014	446.91	13.63	0.00	433.28	56.4	46.8	638	2,270	3,011.2	50.8	ND	16,100	1,820	182	
	12/23/2014	446.91	13.96	0.00	432.95	61.9	50.5	793	2,570	3,475.4	40.0	ND	17,800	2,450	216	
	3/24/2015	446.91	12.91	0.00	434.00	ND	ND	ND	ND	ND	ND	ND	ND	ND (<90)	ND	
	6/22/2015	446.91	13.44	0.00	433.47	91.5	18.4	255	395	759.9	28.4	17.2	4,330	1,710	75.9	
	9/21/2015	446.91	13.85	0.00	433.06	45.7	24.9	533	1,150	1,753.6	31.2	ND	16,600	1,900	145	
	12/9/2015	446.91	13.94	0.00	432.97	39.5	96.9	631	1,500	2,267.4	24.6	ND	18,400	2,470	169	
	3/8/2016	446.91	13.05	0.00	433.86	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND	
	6/7/2016	446.91	13.52	0.00	433.39	72.4	14.6	341	185	613.0	29.1	20.9	4,260	1,020	77.1	
	9/13/2016	446.91	14.03	0.00	432.88	37.0	117	806	1,790	2,750	26.1	30.6 (J)	14,700	3,440	200	
	11/21/2016	446.91	14.39	0.00	432.52	22.9	113	710	2,240	3,085.9	18.8	ND	18,200	3,920	208	
	3/9/2017	446.91	14.61	0.00	432.30	31.2	114	1,010	3,070	4,225.2	21.3	ND	20,400	2,620	297	
	6/7/2017	446.91	14.07	0.00	432.84	41.9	70.9	953	2,840	3,905.8	22.4	47.8 (J)	19,500	3,080	251	
	9/6/2017	446.91	14.28	0.00	432.63	25.1	155	1,060	3,190	4,430.1	18.4	ND	26,300	6,870	291	
	11/1/2017	446.91	14.43	0.00	432.48	23.9	144	1,190	4,250	5,608	19.2	ND	21,600	4,510	301	
	3/6/2018	446.91	14.07	0.00	432.84	36.3	76.0	1,240	4,660	6,012	21.6	102	26,400	4,570	325	
	6/20/2018	446.91	12.80	0.00	434.11	ND	ND	ND	ND	ND	ND	ND	ND (<100)	ND (<83)	ND (<1.1)	
	9/5/2018	446.91	12.99	0.00	433.92	29.3	10.4	202	267	509	9.4	17.4	3,000	823	59.7	
	7/18/2019	446.91	12.57	0.00	434.34	11.4	1.1	31.4	34.5	78.4	5.5	ND (<5.8)	403	ND (<53)	6.1	
	11/13/2019	446.91	13.63	0.00	433.28	26.8	46.1	673	1,000	1,746	19.8	ND (<29)	9,190	2,940	217	
	7/8/2020	446.91	11.71	0.00	435.20	18.9	3.1	116	101	239	9.5	ND (<5.8)	1,110	213	18.0	
	12/9/2020	446.91	12.76	0.00	434.15	27.0	33.2	569	965	1,594	21.4	33.3	10,600	2,170	164	
	6/2/2021	446.91	12.99	0.00	433.92	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<100)	ND (<49)	ND (<2.5)	
	11/22/2021	446.91	13.89	0.00	433.02	18.4	31.7	536	1,020	1,606	14.5	ND (<29)	10,600	2,990	187	
	5/17/2022	446.91	13.03	0.00	433.88	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND (<110)	ND (<48)	ND (<2.5)	
	12/7/2022	446.91	13.98	0.00	432.93	24.2	28.6	639	1,280	1,972	12.9	ND (<5.8)	10,900	2,970	165	
	6/6/2023	446.91	13.92	0.00	432.99	24.4	15.5	512	717	1,269	15.1	ND (<5.8)	10,100	2,620	108	
	10/31/2023	446.91	14.01	0.00	432.90	15.2	22.3	683	1,160	1,881	9.9	ND (<29)	12,800	3,090	184	
	6/19/2024	446.91	13.05	0.00	433.86	29.9	3.7	147	109	290	14.4	12.1	2,520	1,140	22.4	
	11/20/2024	446.91	14.21	0.00	432.70	21.5	15.5	525	438	1,000	9.6	ND (<5.8)	9,800	3,610	112	
	6/4/2025	446.91	13.48	0.00	433.43	27.3	13.3	300	566	907	13.1	ND (<29)	8,390	3,770	168	
YMW-9 Casing: 0 to 2.5 feet Screen: 2.5 to 17.5 feet	9/23/2014	436.71	6.16	0.00	430.55	ND	ND	ND	ND	ND	1.8	ND	ND	ND (<80)	ND	
	12/23/2014	436.71	5.94	0.00	430.77	ND	ND	ND	ND	ND	1.6	ND	ND	ND (<80)	ND	
	3/24/2015	436.71	5.41	0.00	431.30	ND	ND	ND	ND	ND	ND	ND	ND	ND (<80)	ND	
	6/22/2015	436.71	5.81	0.00	430.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9/21/2015	436.71	6.17	0.00	430.54	ND	ND	ND	ND	ND	ND	ND	ND	ND (<58)	ND	
	12/9/2015	436.71	5.86	0.00	430.85	ND	ND	ND	ND	ND	ND	ND	ND	ND (<64)	ND	
	3/8/2016	436.71	5.43	0.00	431.28	ND	ND	ND	ND	ND	ND	ND	ND (<55)	ND (<64)	ND	
	6/7/2016	436.71	5.93	0.00	430.78	ND	ND	ND	ND	ND	0.48 (J)	ND	ND (<55)	ND (<64)	ND	
	9/13/2016	436.71	6.44	0.00	430.27	ND	ND	ND	ND	ND	0.67 (J)	ND	ND (<100)	ND (<64)	ND	
	11/21/2016	436.71	6.50	0.00	430.21	ND	ND	ND	ND	ND	0.62 (J)	ND	ND (<100)	ND (<64)	ND	
	3/9/2017	436.71	6.23	0.00	430.48	ND	ND	ND	ND	ND	0.94 (J)	ND	ND (<100)	ND (<64)	ND (<1.0)	
	6/7/2017	436.71	6.13	0.00	430.58	ND	ND	ND	ND	ND	0.86 (J)	ND	ND (<100)	ND (<64)	ND (<1.0)	
	9/6/2017	436.71	6.42	0.00	430.29	ND	ND	ND	ND	ND	0.92 (J)	ND	ND (<100)	ND (<83)	ND (<1.1)	
	11/1/2017	436.71	6.34	0.00	430.37	ND	ND	ND	ND	ND	1.2	ND	ND (<100)	ND (<83)	ND (<1.1)	
	3/6/2018	436.71	5.29	0.00	431.42	ND	ND	ND	ND	ND	ND	ND	ND (<100)	87.5	ND (<1.1)	
	6/20/2018	436.71	5.73	0.00	430.98	ND	ND	ND	ND	ND	1.7	ND	ND (<100)	ND (<83)	ND (<1.1)	
	9/5/2018	436.71	5.88	0.00	430.83	ND	ND	ND	ND	ND	1.7	ND	ND (<100)	ND (<53)	ND (<0.98)	
	7/18/2019	436.71	5.65	0.00	431.06											
	11/13/2019	436.71	5.87	0.00	430.84											
	7/8/2020	436.71	5.27	0.00	431.44											
	12/9/2020	436.71	4.91	0.00	431.80											
	6/2/2021	436.71	5.96	0.00	430.75											
	11/22/2021	436.71	6.17	0.00	430.54											
	5/17/2022	436.71	5.48	0.00	431.23											
	12/7/2022	436.71	5.49	0.00	431.22											
	6/6/2023	436.71	6.50	0.00	430.21	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	4.8	16.2	ND (<110)	113	ND (<2.5)	
	10/31/2023	436.71	6.39	0.00	430.32											
	6/19/2024	436.71	6.16	0.00	430.55											
	11/20/2024	436.71	6.36	0.00	430.35											
	6/4/2025	436.71	5.53	0.00	431.18											
MDE ME																

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
YP-1 Casing: 0 to 8 feet Screen: 8 to 13 feet	9/23/2014	440.41	9.11	0.00	431.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/2014	440.41	9.16	0.00	431.25	0.98	42.1	383	326	752.08	6.3	34.5	4,370	221	67.0
	3/25/2015	440.41	9.26	0.00	431.15	1.8 (J)	72.6	762	2,120	2,956.4 (J)	11.2	70.9	13,300	2,160	160
	6/23/2015	440.41	9.18	0.00	431.23	5.6	75.6	714	1,420	2,215.2	19.3	104	11,100	1,980	186
	9/22/2015	440.41	9.20	0.00	431.21	7.0	63.1	807	1,460	2,337.1	9.4	120	9,470	2,500	280
	12/10/2015	440.41	9.17	0.00	431.24	5.5	31.0	723	872	1,631.5	5.0	113	13,400	1,590	181
	3/9/2016	440.41	9.24	0.00	431.17	6.0	28.1	756	970	1,760.1	5.0	38.4	10,700	1,940	166
	6/8/2016	440.41	9.14	0.00	431.27	6.4	20.2	638	773	1,437.6	4.2	53.3	8,270	2,490	189
	9/14/2016	440.41	8.18	0.00	432.23	6.8	12.4	516	259	794.2	3.5	25.0	6,130	1,730	113
	11/22/2016	440.41	9.25	0.00	431.16	7.4	12.7	652	314	986.1	2.4	24.7	6,950	1,230	129
	3/10/2017	440.41	9.39	0.00	431.02	4.0	22.7	820	1,160	2,006.7	ND	ND	8,680	1,710	171
	6/8/2017	440.41	9.34	0.00	431.07	4.4	14.4	683	1,020	1,721.8	2.0 (J)	32.4 (J)	11,500	1,780	185
	9/7/2017	440.41	9.29	0.00	431.12	6.9	23.4	698	466	1,194.3	ND	ND	8,770	3,130	228
	11/1/2017	440.41	9.32	0.00	431.09	8.4	31.3	785	398	1,222.7	3.1	ND	6,930	2,230	202
	3/7/2018	440.41	9.41	0.00	431.00	5.5	54.7	952	2,210	3,222.2	1.9 (J)	52.7	14,600	3,660	284
	6/21/2018	440.41	9.14	0.00	431.27	4.2	22.6	811	1,360	2,198	4.1	89.5	9,620	2,000	245
	9/6/2018	440.41	9.01	0.00	431.40	10.1	30.6	688	759	1,488	5.3	115	9,700	2,030	202
	7/18/2019	440.41	8.93	0.00	431.48	5.8	16.5	725	404	1,151	1.9 ND (<5.8)	ND	11,200	1,510	268
	11/13/2019	440.41	9.16	0.00	431.25	4.6	9.8	602	157	773	2.0	13.5 (J)	6,350	2,020	237
	7/8/2020	440.41	8.77	0.00	431.64	4.6	16.3	479	196	696	3.8	26.6	5,400	2,020	180
	12/9/2020	440.41	8.93	0.00	431.48	2.7	11.5	558	130	702	1.2	113	7,460	2,670	198
	6/2/2021	440.41	9.12	0.00	431.29	3.8	10.8	485	88.0	588	2.4 (J)	53.7	6,350	2,420	244
	11/22/2021	440.41	9.09	0.00	431.32	3.5	7.7	249	45.0	305	1.8	9.5 (J)	7,270	1,410	133
	5/17/2022	440.41	9.13	0.00	431.28	2.1	5.5	415	83.6	506	0.67 (J)	6.7 (J)	6,860	1,240	129
	12/7/2022	440.41	9.12	0.00	431.29	2.7	9.8	418	94.2	525	1.2	14.7	5,100	1,810	186
	6/6/2023	440.41	9.22	0.00	431.19	2.1	2.9	75.8	28.4	109.2	2.7	11.1	2,990	2,060	54.7
	10/31/2023	440.41	9.01	0.00	431.40	3.2	13.4	281	71.0	369	1.1 ND (<5.8)	ND	4,330	1,200	180
	6/19/2024	440.41	8.98	0.00	431.43	1.6	7.6	167	68.7	245	2.1	14.4	4,320	2,740	89.3
	11/20/2024	440.41	9.13	0.00	431.28	1.1	6.9	201	59.0	268 ND (<0.51)	ND (<5.8)	ND	4,640	2,090	134
	6/4/2025	440.41	9.17	0.00	431.24	ND (<0.43)	1.4	68.3	18.2	<88.3	ND (<0.51)	ND (<5.8)	2,630	778	37.8
YP-2 Casing: 0 to 7 feet Screen: 7 to 12 feet	9/23/2014	438.35	8.25	0.00	430.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/2014	438.35	8.10	0.00	430.25	3.0	ND	ND	ND	3.0	8.5	7.4 (J)	ND	ND (<80)	0.43 (J)
	3/25/2015	438.35	8.05	0.00	430.30	5.3	ND	1.7	1	7.0	12.5	ND	ND	ND (<80)	0.42 (J)
	6/23/2015	438.35	7.98	0.00	430.37	3.9	ND	ND	ND	3.9	12.6	4.7 (J)	ND	95	ND
	9/22/2015	438.35	8.13	0.00	430.22	5.2	0.20 (J)	ND	0.77 (J)	6.17 (J)	13.2	60.2	399	299	0.52 (J)
	12/10/2015	438.35	8.25	0.00	430.10	9.8	0.18 (J)	ND	0.44 (J)	10.42 (J)	15.5	76.0	322	254	0.81 (J)
	3/9/2016	438.35	8.15	0.00	430.20	62.4	0.21 (J)	2.8	0.44 (J)	65.85 (J)	32.7	18.9	324	110	0.66 (J)
	6/8/2016	438.35	8.07	0.00	430.28	13.9	ND	ND	ND	13.9	17.7	23.4	159	151	ND
	9/14/2016	438.35	8.07	0.00	430.28	2.0	ND	ND	ND	2.0	6.1	37.0	215	ND (<64)	ND
	11/22/2016	438.35	8.11	0.00	430.24	6.9	0.46 (J)	15.9	7.4	30.66 (J)	8.6	167	1,030	437	7.7
	3/10/2017	438.35	8.11	0.00	430.24	3.0	ND	ND	ND	3.0	11.6	78.5	168	ND (<64)	ND (<1.0)
	6/8/2017	438.35	8.23	0.00	430.12	2.0	ND	ND	ND	2.0	13.1	21.6	130 (J)	192	ND (<1.1)
	9/7/2017	438.35	8.10	0.00	430.25	1.4	ND	ND	ND	1.4	10.1	26.3	121 (J)	196	ND (<1.1)
	11/1/2017	438.35	8.08	0.00	430.27	6.7	ND	3.0	0.36 (J)	10.1	10.5	257	521	984	4.3 (J)
	3/7/2018	438.35	8.12	0.00	430.23	0.93	ND	ND	ND	0.93	5.0	44.0	ND (<100)	106	ND (<1.1)
	6/21/2018	438.35	8.13	0.00	430.22	0.92	ND	ND	ND	0.92	7.0	13.6	ND (<100)	ND (<83)	ND (<1.1)
	9/6/2018	438.35	8.16	0.00	430.19	2.9	ND	ND	ND	2.9	9.6	57.7	181 (J)	96.3	ND (<0.98)
	7/18/2019	438.35	8.03	0.00	430.32	0.70	ND (<0.53)	ND (<0.60)	ND (<0.59)	<2.42	12.5	ND (<5.8)	150 (J)	ND (<53)	ND (<0.98)
	11/13/2019	438.35	8.16	0.00	430.19	6.5	ND (<0.53)	ND (<0.60)	ND (<0.59)	<8.22	16.1	15.0	422	248	6.3
	7/8/2020	438.35	7.53	0.00	430.82	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	8.7	ND (<5.8)	ND (<100)	ND (<53)	ND (<2.5)
	12/9/2020	438.35	7.97	0.00	430.38	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	9.9	6.2 (J)	ND (<100)	ND (<53)	ND (<2.5)
	6/2/2021	438.35	8.12	0.00	430.23	1.1	ND (<0.53)	ND (<0.60)	ND (<0.59)	<2.8	16.3	12.4	113	ND (<49)	ND (<2.5)
	11/22/2021	438.35	8.03	0.00	430.32	2.5	ND (<0.53)	ND (<0.60)	ND (<0.59)	<4.2	9.2	11.9	235	236	ND (<2.5)
	5/17/2022	438.35	7.94	0.00	430.41	0.49 (J)	ND (<0.53)	ND (<0.60)	ND (<0.59)	<2.21	9.6	7.0 (J)	ND (<110)	ND (<47)	ND (<2.5)
	12/7/2022	438.35	7.99	0.00	430.36	1.3	ND (<0.49)	ND (<0.60)	ND (<0.59)	<3.0	12.0	ND (<5.8)	ND (<110)	121	ND (<2.5)
	6/7/2023	438.35	8.07	0.00	430.28	2.5	ND (<0.49)	ND (<0.60)	ND (<0.59)	<4.2	16.5	15.2	ND (<110)	300	ND (<2.5)
	10/31/2023	438.35	8.10	0.00	430.25	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	2.6	ND (<5.8)	ND (<110)	105	ND (<4.4)
	6/19/2024	438.35	7.99	0.00	430.36	0.64	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.32	22.7	18.2	ND (<110)	ND (<38)	ND (<4.4)
	11/20/2024	438.35	8.12	0.00	430.23	0.44 (J)	ND (<0.49)	ND (<0.60)	ND (<0.59)	<2.12	1.9	ND (<5.8)	768	142	ND (<4.4)
	6/4/2025	438.35	8.13	0.00	430.22	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	17.5	12.0	ND (<110)	ND (<35)	ND (<4.4)
YP-3 Casing: 0 to 5.5 feet Screen: 5.5 to 10.5 feet	9/23/2014	436.51	5.21	0.00	431.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/2014	436.51	5.21	0.00	431.30	ND	ND	ND	ND	ND	1.9	ND	ND	ND (<80)	ND
	3/25/2015	436.51	4.85	0.00	431.66	0.30 (J)	ND	ND	ND	9	6.0	ND	ND	ND (<80)	ND
	6/23/2015	436.51	4.75	0.00	431.76	0.91	ND	ND	ND	0.91	6.9	4.8 (J)	ND	199	ND
	9/22/2015	436.51	5.19	0.00	431.32	1.0	ND	ND	ND	1.0	6.6	ND	ND	122	ND
	12/10/2015	436.51	5.27	0.00	431.24	0.98	ND	ND	ND	0.98	5.9	5.3 (J)	ND	146	ND
	3/9/2016	436.51	4.74	0.00	431.77	0.25 (J)	ND	ND	ND	0.25 (J)	2.6	ND	ND (<55)	122	ND
	6/8/2016	436.51	5.02	0.00	431.49	0.84	ND	ND	ND	0.84	4.3	ND	ND (<55)	216	ND
	9/14/2016	436.51	5.32	0.00	431.19	0.61	ND	ND	ND	0.61	4.9	ND	ND (<100)	ND (<64)	ND
	11/22/2016	436.51	6.65	0.00	429.86	1.0	ND	ND	ND	1.0	6.7	ND	ND (<100)	NS	ND
	3/10/2017	436.51	5.62	0.00	430.89	0.88	ND	ND	ND	0.88	5.0	3.3 (J)	ND (<100)	ND (<64)	ND (<1.0)
	6/8/2017	436.51	5.21	0.00	431.30	0.69	ND	ND	ND	0.69	4.0	4.0 (J)	ND (<100)	89.6	ND (<1.0)
	9/7/2017	436.51	5.16	0.00	431.35	0.67	ND	ND	ND	0.67	3.6	ND	ND (<100)	197	ND (<1.1)
	11/1/2017	436.51	5.94	0.00	430.57	0.96	ND	ND	ND	0.96	5.7	ND	ND (<100)	413	ND (<1.1)
	3/7/2018	436.51	4.95	0.00	431.56	0.25 (J)	ND	ND	ND	0.25 (J)	2.0	ND	ND (<100)	ND (<83)	ND (<1.1)
	6/21/2018	436.51	4.62	0.00	431.89	0.39 (J)	ND	ND	ND	0.39 (J)	2.5	ND	ND (<100)	102	ND (<1.1)

Table 1
HISTORICAL GROUNDWATER MONITORING DATA SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Well No.	Sample Date	Casing Elevation* (feet)	Depth to Water (feet)	Product Thickness (feet)	Water Table Elevation* (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Naphthalene (µg/L)
YP-4 Casing: 0 to 8 feet Screen: 8 to 13 feet	9/23/2014	441.83	9.01	0.00	432.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/2014	441.83	9.24	0.00	432.59	0.44 (J)	ND	ND	ND	0.44 (J)	36.5	19.7	NS	386	ND (<80)
	3/25/2015	441.83	8.25	0.00	433.58	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND
	6/23/2015	441.83	8.96	0.00	432.87	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND
	9/22/2015	441.83	9.31	0.00	432.52	ND	ND	ND	ND	ND	12.2	ND	ND	199	0.26 (J)
	12/10/2015	441.83	9.28	0.00	432.55	0.41 (J)	ND	ND	ND	0.41 (J)	19.5	13.7	ND	ND	ND
	3/9/2016	441.83	8.54	0.00	433.29	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND
	6/8/2016	441.83	9.02	0.00	432.81	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND
	9/14/2016	441.83	9.53	0.00	432.30	0.23 (J)	ND	ND	ND	0.23 (J)	14.1	9.3 (J)	118 (J)	ND	ND
	11/22/2016	441.83	9.74	0.00	432.09	0.29 (J)	ND	ND	ND	0.29 (J)	19.8	18.4	140 (J)	122	ND
	3/10/2017	441.83	9.91	0.00	431.92	ND	ND	ND	ND	ND	19.9	ND	ND	ND	ND
	6/8/2017	441.83	9.31	0.00	432.52	ND	ND	ND	ND	ND	5.0	ND	ND	115	ND
	9/7/2017	441.83	9.72	0.00	432.11	ND	ND	ND	ND	ND	11.0	ND	ND	199	ND
	11/1/2017	441.83	9.82	0.00	432.01	ND	ND	ND	ND	ND	14.2	ND	ND	107	ND
	3/7/2018	441.83	9.23	0.00	432.60	ND	ND	ND	ND	ND	8.5	ND	ND	ND	ND
	6/21/2018	441.83	8.48	0.00	433.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/6/2018	441.83	8.61	0.00	433.22	ND	ND	ND	ND	ND	4.7	ND	ND	ND	ND
	7/18/2019	441.83	8.18	0.00	433.65										
	11/13/2019	441.83	9.01	0.00	432.82										
	7/8/2020	441.83	8.37	0.00	433.46										
	12/9/2020	441.83	8.06	0.00	433.77										
	6/2/2021	441.83	8.59	0.00	433.24										
	11/22/2021	441.83	9.29	0.00	432.54										
	5/17/2022	441.83	8.57	0.00	433.26										
	12/7/2022	441.83	9.34	0.00	432.49										
	6/7/2023	441.83	9.46	0.00	432.37	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	2.1	ND (<5.8)	ND (<110)	158	ND (<2.5)
	10/31/2023	441.83	9.45	0.00	432.38										
	6/19/2024	441.83	8.72	0.00	433.11										
	11/20/2024	441.83	9.63	0.00	432.20										
	6/4/2025	441.83	8.75	0.00	433.08										
YP-5 Casing: 0 to 5 feet Screen: 5 to 10 feet	9/23/2014	433.65	4.01	0.00	429.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/2014	433.65	4.33	0.00	429.32	ND	ND	ND	ND	ND	0.66 (J)	ND	ND	137	ND
	3/25/2015	433.65	3.90	0.00	429.75	ND	ND	ND	ND	ND	17.7	51.2	ND	ND	ND
	6/23/2015	433.65	4.49	0.00	429.16	0.28 (J)	ND	ND	ND	0.28 (J)	32.3	106	ND	117	ND
	9/22/2015	433.65	4.12	0.00	429.53	1.2	ND	ND	ND	1.2	45.7	139	ND	236	ND
	12/10/2015	433.65	3.88	0.00	429.77	ND	ND	ND	ND	ND	33.2	8.7 (J)	ND	ND	ND
	3/9/2016	433.65	3.97	0.00	429.68	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND
	6/8/2016	433.65	4.31	0.00	429.34	ND	ND	ND	ND	ND	2.2	7.5 (J)	ND	232	ND
	9/14/2016	433.65	4.33	0.00	429.32	ND	ND	ND	ND	ND	10.4	32.6	ND	ND	ND
	11/22/2016	433.65	4.37	0.00	429.28	ND	ND	ND	ND	ND	29.7	34.5	ND	ND	ND
	3/10/2017	433.65	4.18	0.00	429.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/8/2017	433.65	4.31	0.00	429.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/7/2017	433.65	3.31	0.00	430.34	ND	ND	ND	ND	ND	ND	ND	ND	140	ND
	11/1/2017	433.65	4.33	0.00	429.32	ND	ND	ND	ND	ND	ND	ND	ND	299	ND
	3/7/2018	433.65	3.84	0.00	429.81	ND	ND	ND	ND	ND	ND	ND	ND	105	ND
	6/21/2018	433.65	3.93	0.00	429.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/6/2018	433.65	4.01	0.00	429.64	ND	ND	ND	ND	ND	0.62 (J)	ND	ND	ND	ND
	7/18/2019	433.65	3.83	0.00	429.82	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	11/13/2019	433.65	3.96	0.00	429.69	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	7/8/2020	433.65	1.84	0.00	431.81	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	12/9/2020	433.65	2.32	0.00	431.33	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	6/2/2021	433.65	4.21	0.00	429.44	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	197	ND
	11/22/2021	433.65	4.09	0.00	429.56	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	5/17/2022	433.65	3.98	0.00	429.67	ND (<0.43)	ND (<0.53)	ND (<0.60)	ND (<0.59)	ND (<2.15)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	12/7/2022	433.65	1.64	0.00	432.01	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	6/6/2023	433.65	4.54	0.00	429.11	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	9.5	31.6	ND	135	ND
	10/31/2023	433.65	3.65	0.00	430.00	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	6/19/2024	433.65	4.37	0.00	429.28	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND	ND	ND
	11/20/2024	433.65	3.39	0.00	430.26	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	3.3	ND (<5.8)	ND	ND	ND
	6/4/2025	433.65	3.56	0.00	430.09	ND (<0.43)	ND (<0.49)	ND (<0.60)	ND (<0.59)	ND (<2.11)	ND (<0.51)	ND (<5.8)	ND	ND	ND
MDE MEAT GNCSG**						5	1,000	700	10,000	NA	20	NA	47	47	0.7

Table Notes:

*Elevation is relative to a designated benchmark

(Current Casing elevations surveyed on August 25, 2010.)

**Generic Numeric Cleanup Standards for Groundwater (GNCSG) from Appendix F of the Maryland Department of the Environment (MDE) Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks

***The June 18, 2014 TPH-DRO parameters were analyzed out of laboratory holding times; Follow-up samples were collected on June 30, 2014, for analysis of TPH-DRO only

I-The June 8, 2017 TPH-DRO sample was lost in transit. Follow-up sample was collected on June 21, 2017, for analysis of TPH-DRO only

ND (<MDL) = Not Detected above Method Detection Limit. (As of 2012 this changed to mean "Not Detected above Method Detection Limit".)

Groundwater elevations corrected for the presence of LPH using the following formula: Water Table Elevation = (Water Elevation + (0.75 * LPH Thickness))

Values in boldface type exceed applicable MDE MEAT GNCSG

ND = Not Detected

NA = Not Applicable

Total BTEX = sum of Benzene, Toluene, Ethylbenzene, and Xylenes

MTBE = Methyl-tertiary-Butyl Ether

NS = Not Sampled for indicated analyte

LPH = Liquid Phase Hydrocarbons

¥ = Bottleware broken in shipment.

J = Laboratory Estimated Value

µg/L = micrograms per liter

† = Samples damaged in shipment, resampled for TPH-DRO on 5/24/12

E = Value Exceeded Laboratory Calibration Range

NM = Not Measured

NSVD - Not Surveyed

TABLE 2
GROUNDWATER GAUGING
RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
MDE-4 Casing: 0 to 3 feet Screen: 3 to 13 feet	5/27/2015	443.18	0.00	9.51	433.67
	6/22/2015	443.18	0.00	9.25	433.93
	7/28/2015	443.18	0.00	8.94	434.24
	8/24/2015	443.18	0.00	9.14	434.04
	9/21/2015	443.18	0.00	9.28	433.90
	10/29/2015	443.18	0.00	9.03	434.15
	11/18/2015	443.18	0.00	9.73	433.45
	12/9/2015	443.18	0.00	9.58	433.60
	1/12/2016	443.18	0.00	9.31	433.87
	3/8/2016	443.18	0.00	8.98	434.20
	6/7/2016	443.18	0.00	9.03	434.15
	9/13/2016	443.18	0.00	9.48	433.70
	11/21/2016	443.18	0.00	9.90	433.28
	3/9/2017	443.18	0.00	10.42	432.76
	6/7/2017	443.18	0.00	9.72	433.46
	9/6/2017	443.18	0.00	9.77	433.41
	11/1/2017	443.18	0.00	9.97	433.21
	3/6/2018	443.18	0.00	9.84	433.34
	6/20/2018	443.18	0.00	8.72	434.46
	9/5/2018	443.18	0.00	8.64	434.54
	7/18/2019	443.18	0.00	8.11	435.07
	11/13/2019	443.18	0.00	9.23	433.95
	7/8/2020	443.18	0.00	8.33	434.85
	12/9/2020	443.18	0.00	8.36	434.82
	6/2/2021	443.18	0.00	8.68	434.50
	11/22/2021	443.18	0.00	9.45	433.73
	5/17/2022	443.04	0.00	9.06	433.98
	12/7/2022	443.04	0.00	9.48	433.56
	6/6/2023	443.04	0.00	9.31	433.73
	10/31/2023	443.04	0.00	9.15	433.89
	6/19/2024	443.04	0.00	8.44	434.60
	11/20/2024	443.04	0.00	9.49	433.55
	6/4/2025	443.04	0.00	9.14	433.90
MW-1 Casing: Unknown Screen: Unknown	5/27/2015	453.92	0.00	18.75	435.17
	6/22/2015	453.92	0.00	18.24	435.68
	7/28/2015	453.92	0.00	17.20	436.72
	8/24/2015	453.92	0.00	17.42	436.50
	9/21/2015	453.92	0.00	18.49	435.43
	10/29/2015	453.92	0.00	18.36	435.56
	11/18/2015	453.92	0.00	19.40	434.52
	12/9/2015	453.92	0.00	19.24	434.68
	1/12/2016	453.92	0.00	18.45	435.47
	3/8/2016	453.92	0.00	18.28	435.64
	6/7/2016	453.92	0.00	18.21	435.71
	9/13/2016	453.92	0.00	18.92	435.00
	11/21/2016	453.92	0.00	19.83	434.09
	3/9/2017	453.92	0.00	20.49	433.43
	6/7/2017	453.92	0.00	19.38	434.54
	9/6/2017	453.92	0.00	19.04	434.88
	11/1/2017	453.92	0.00	19.67	434.25
	3/6/2018	453.92	0.00	20.16	433.76
	6/20/2018	453.92	0.00	17.45	436.47
	9/5/2018	453.92	0.00	16.71	437.21
	7/18/2019	453.92	0.00	16.52	437.40
	11/13/2019	453.92	0.00	18.44	435.48
	7/8/2020	453.92	0.00	16.57	437.35
	12/9/2020	453.92	0.00	17.28	436.64
	6/2/2021	453.92	0.00	17.57	436.35
	11/22/2021	453.92	0.00	18.88	435.04
	5/17/2022	453.92	0.00	18.97	434.95
	12/7/2022	453.92	0.00	17.81	436.11
	6/6/2023	453.92	0.00	19.01	434.91
	10/31/2023	453.92	0.00	18.69	435.23
	6/19/2024	453.92	0.00	17.25	436.67
	11/20/2024	453.92		inaccessible	
	6/18/2025	453.92		inaccessible	

TABLE 2
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RESULTS SUMMARY
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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
MW-4 0 to 10 feet Screen: 10 to 25 feet	5/27/2015	455.10	0.00	20.68	434.42
	6/22/2015	455.10	0.00	20.38	434.72
	7/28/2015	455.10	0.00	19.86	435.24
	8/24/2015	455.10	0.00	20.08	435.02
	9/21/2015	455.10	0.00	20.57	434.53
	10/29/2015	455.10	0.00	20.26	434.84
	11/18/2015	455.10	0.00	21.29	433.81
	12/9/2015	455.10	0.00	21.08	434.02
	1/12/2016	455.10	0.00	20.54	434.56
	3/8/2016	455.10	0.00	20.29	434.81
	6/7/2016	455.10	0.00	20.28	434.82
	9/13/2016	455.10	0.00	20.87	434.23
	11/21/2016	455.10	0.00	21.56	433.54
	3/9/2017	455.10	0.00	22.05	433.05
	9/6/2017	455.10	0.00	20.94	434.16
	6/7/2017	455.10	0.00	21.18	433.92
	11/1/2017	455.10	0.00	21.41	433.69
	3/6/2018	455.10	0.00	21.75	433.35
	6/20/2018	455.10	0.00	19.73	435.37
	9/5/2018	455.10	0.00	19.34	435.76
	7/18/2019	455.10	0.00	18.82	436.28
	11/13/2019	455.10	0.00	20.42	434.68
	7/8/2020	455.10	0.00	18.78	436.32
	12/9/2020	455.10	0.00	17.47	437.63
	6/2/2021	455.10	0.00	19.62	435.48
	11/22/2021	455.10	0.00	20.76	434.34
	5/17/2022	455.10	0.00	20.64	434.46
	12/7/2022	455.10	0.00	21.03	434.07
	6/6/2023	455.10	0.00	20.89	434.21
	10/31/2023	455.10	0.00	20.84	434.26
	6/19/2024	455.10	0.00	19.48	435.62
	11/20/2024	455.10	inaccessible		
	6/4/2025	455.10	0.00	20.45	434.65
MW-7 Casing: 0 to 8 feet Screen: 8 to 33 feet	5/27/2015	452.69	0.00	15.60	437.09
	6/22/2015	452.69	0.00	18.29	434.40
	7/28/2015	452.69	0.00	17.90	434.79
	8/24/2015	452.69	0.00	18.11	434.58
	9/21/2015	452.69	0.00	18.42	434.27
	10/29/2015	452.69	0.00	18.20	434.49
	11/18/2015	452.69	0.00	18.99	433.70
	12/9/2015	452.69	0.00	18.81	433.88
	1/12/2016	452.69	0.00	18.71	433.98
	3/8/2016	452.69	0.00	18.16	434.53
	6/7/2016	452.69	0.00	18.19	434.50
	9/13/2016	452.69	0.00	18.62	434.07
	11/21/2016	452.69	0.00	19.14	433.55
	3/9/2017	452.69	0.00	19.63	433.06
	6/7/2017	452.69	0.00	18.89	433.80
	9/6/2017	452.69	0.00	18.78	433.91
	11/1/2017	452.69	0.00	19.07	433.62
	3/6/2018	452.69	0.00	19.31	433.38
	6/20/2018	452.69	0.00	17.74	434.95
	9/5/2018	452.69	0.00	17.38	435.31
	7/18/2019	452.69	0.00	16.97	435.72
	11/13/2019	452.69	0.00	18.28	434.41
	7/8/2020	452.69	0.00	17.12	435.57
	12/9/2020	452.69	0.00	17.51	435.18
	6/2/2021	452.69	0.00	17.62	435.07
	11/22/2021	452.69	0.00	18.51	434.18
	5/17/2022	452.69	0.00	18.39	434.30
	12/7/2022	452.69	0.00	18.75	433.94
	6/6/2023	452.69	0.00	18.59	434.10
	10/31/2023	452.69	0.00	18.42	434.27
	6/19/2024	452.69	0.00	17.52	435.17
	11/20/2024	452.69	0.00	18.82	433.87
	6/4/2025	452.69	0.00	18.47	434.22

TABLE 2
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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
OW-1 Casing: 0 to 9 feet Screen: 9 to 34 feet	5/27/2015	455.31	0.00	20.59	434.72
	6/22/2015	455.31	0.00	20.58	434.73
	7/28/2015	455.31	0.00	20.18	435.13
	8/24/2015	455.31	0.00	20.40	434.91
	9/21/2015	455.31	0.00	20.73	434.58
	10/29/2015	455.31	0.00	20.55	434.76
	11/18/2015	455.31	0.00	21.38	433.93
	12/9/2015	455.31	0.00	21.23	434.08
	1/12/2016	455.31	0.00	21.06	434.25
	3/8/2016	455.31	0.00	20.54	434.77
	6/7/2016	455.31	0.00	20.58	434.73
	9/13/2016	455.31	0.00	21.03	434.28
	11/21/2016	455.31	0.00	21.82	433.49
	3/9/2017	455.31	0.00	22.04	433.27
	9/6/2017	455.31	0.00	21.27	434.04
	6/7/2017	455.31	0.00	21.22	434.09
	11/1/2017	455.31	0.00	21.53	433.78
	3/6/2018	455.31	0.00	21.77	433.54
	6/20/2018	455.31	0.00	20.03	435.28
	9/5/2018	455.31	0.00	19.61	435.70
	7/18/2019	455.31	0.00	19.23	436.08
	11/13/2019	455.31	0.00	20.66	434.65
	7/8/2020	455.31	0.00	19.35	435.96
	12/9/2020	455.31	0.00	19.70	435.61
	6/2/2021	455.31	0.00	19.92	435.39
	11/22/2021	455.31	0.00	20.86	434.45
	5/17/2022	455.31	0.00	20.90	434.41
	12/7/2022	455.31	0.00	21.14	434.17
	6/6/2023	455.31	0.00	20.03	435.28
	10/31/2023	455.31	0.00	20.80	434.51
	6/19/2024	455.31	0.00	19.78	435.53
	11/20/2024	455.31	0.00	21.25	434.06
	6/4/2025	455.31	0.00	20.80	434.51
YMW-1 Casing: 0 to 2 feet Screen: 2 to 14 feet	5/27/2015	433.64	0.00	4.08	429.56
	6/22/2015	433.64	0.00	3.04	430.60
	7/28/2015	433.64	0.00	3.04	430.60
	8/24/2015	433.64	0.00	1.51	432.13
	9/21/2015	433.64	0.00	4.94	428.70
	10/29/2015	433.64	0.00	4.63	429.01
	11/18/2015	433.64	0.00	4.45	429.19
	12/9/2015	433.64	0.00	4.37	429.27
	1/12/2016	433.64	0.00	3.31	430.33
	3/8/2016	433.64	0.00	3.31	430.33
	6/7/2016	433.64	0.00	3.90	429.74
	9/13/2016	433.64	0.00	5.47	428.17
	11/21/2016	433.64	0.00	6.21	427.43
	3/9/2017	433.64	0.00	5.40	428.24
	6/7/2017	433.64	0.00	4.25	429.39
	9/6/2017	433.64	0.00	4.44	429.20
	11/1/2017	433.64	0.00	5.37	428.27
	3/6/2018	433.64	0.00	4.16	429.48
	6/20/2018	433.64	0.00	3.08	430.56
	9/5/2018	433.64	0.00	3.35	430.29
	7/18/2019	433.64	0.00	2.73	430.91
	11/13/2019	433.64	0.00	4.19	429.45
	7/8/2020	433.64	0.00	2.87	430.77
	12/9/2020	433.64	0.00	2.59	431.05
	6/2/2021	433.64	0.00	3.41	430.23
	11/22/2021	433.64	0.00	4.09	429.55
	5/17/2022	433.64	0.00	2.93	430.71
	12/7/2022	433.64	0.00	3.27	430.37
	6/6/2023	433.64	0.00	4.40	429.24
	10/31/2023	433.64	0.00	4.25	429.39
	6/19/2024	433.64	0.00	3.74	429.90
	11/20/2024	433.64	0.00	5.06	428.58
	6/4/2025	433.64	0.00	2.64	431.00

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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
YMW-2 Casing: 0 to 2 feet Screen: 2 to 14 feet	5/27/2015	431.37	0.00	2.78	428.59
	6/22/2015	431.37	0.00	2.51	428.86
	7/28/2015	431.37	0.00	2.41	428.96
	8/24/2015	431.37	0.00	0.61	430.76
	9/21/2015	431.37	0.00	2.58	428.79
	10/29/2015	431.37	0.00	2.31	429.06
	11/18/2015	431.37	0.00	4.02	427.35
	12/9/2015	431.37	0.00	3.94	427.43
	1/12/2016	431.37	0.00	2.90	428.47
	3/8/2016	431.37	0.00	2.97	428.40
	6/7/2016	431.37	0.00	2.84	428.53
	9/13/2016	431.37	0.00	2.44	428.93
	11/21/2016	431.37	0.00	2.94	428.43
	3/9/2017	431.37	0.00	2.94	428.43
	6/7/2017	431.37	0.00	3.10	428.27
	9/6/2017	431.37	0.00	2.65	428.72
	11/1/2017	431.37	0.00	2.67	428.70
	3/6/2018	431.37	0.00	2.85	428.52
	6/20/2018	431.37	0.00	2.58	428.79
	9/5/2018	431.37	0.00	2.51	428.86
	7/18/2019	431.37	0.00	3.01	428.36
	11/13/2019	431.37	0.00	2.61	428.76
	7/8/2020	431.37	0.00	1.27	430.10
	12/9/2020	431.37	0.00	2.13	429.24
	6/2/2021	431.37	0.00	2.55	428.82
	11/22/2021	431.37	0.00	2.38	428.99
	5/17/2022	431.37	0.00	2.17	429.20
	12/7/2022	431.37	0.00	2.10	429.27
	6/6/2023	431.37	0.00	2.74	428.63
	10/31/2023	431.37	0.00	2.55	428.82
	6/19/2024	431.37	0.00	2.52	428.85
	11/20/2024	431.37	0.00	2.61	428.76
	6/4/2025	431.37	0.00	2.46	428.91
YMW-3 Casing: 0 to 4.5 feet Screen: 4.5 to 19.5 feet	5/27/2015	440.39	0.00	8.54	431.85
	6/22/2015	440.39	0.00	8.54	431.85
	7/28/2015	440.39	0.00	7.76	432.63
	8/24/2015	440.39	0.00	7.97	432.42
	9/21/2015	440.39	0.00	9.21	431.18
	10/29/2015	440.39	0.00	9.00	431.39
	11/18/2015	440.39	0.00	9.09	431.30
	12/9/2015	440.39	0.00	8.83	431.56
	1/12/2016	440.39	0.00	7.97	432.42
	3/8/2016	440.39	0.00	8.63	431.76
	6/7/2016	440.39	0.00	8.86	431.53
	9/13/2016	440.39	0.00	9.54	430.85
	11/21/2016	440.39	0.00	10.44	429.95
	3/9/2017	440.39	0.00	9.55	430.84
	6/7/2017	440.39	0.00	8.82	431.57
	9/6/2017	440.39	0.00	8.84	431.55
	11/1/2017	440.39	0.00	9.34	431.05
	3/6/2018	440.39	0.00	7.97	432.42
	6/20/2018	440.39	0.00	8.27	432.12
	9/5/2018	440.39	0.00	8.48	431.91
	7/18/2019	440.39	0.00	8.12	432.27
	11/13/2019	440.39	0.00	8.56	431.83
	7/8/2020	440.39	0.00	7.78	432.61
	12/9/2020	440.39	0.00	8.01	432.38
	6/2/2021	440.39	0.00	8.54	431.85
	11/22/2021	440.39	0.00	8.85	431.54
	5/17/2022	440.39	0.00	8.44	431.95
	12/7/2022	440.39	0.00	8.62	431.77
	6/6/2023	440.39	0.00	9.12	431.27
	10/31/2023	440.39	0.00	8.93	431.46
	10/31/2023	440.39	0.00	8.93	431.46
	6/19/2024	440.39	0.00	8.76	431.63
	11/20/2024	440.39	0.00	9.28	431.11
	6/4/2025	440.39	0.00	8.03	432.36

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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
YMW-4 Casing: 0 to 2 feet Screen: 2 to 17 feet	5/27/2015	433.72	0.00	4.33	429.39
	6/22/2015	433.72	0.00	3.96	429.76
	7/28/2015	433.72	0.00	4.13	429.59
	8/24/2015	433.72	0.00	2.34	431.38
	9/21/2015	433.72	0.00	4.45	429.27
	10/29/2015	433.72	0.00	4.24	429.48
	11/18/2015	433.72	0.00	4.55	429.17
	12/9/2015	433.72	0.00	4.34	429.38
	1/12/2016	433.72	0.00	4.71	429.01
	3/8/2016	433.72	0.00	4.18	429.54
	6/7/2016	433.72	0.00	4.18	429.54
	9/13/2016	433.72	0.00	4.46	429.26
	11/21/2016	433.72	0.00	4.85	428.87
	3/9/2017	433.72	0.00	4.30	429.42
	6/7/2017	433.72	0.00	4.26	429.46
	9/6/2017	433.72	0.00	4.18	429.54
	11/1/2017	433.72	0.00	4.41	429.31
	3/6/2018	433.72	0.00	4.24	429.48
	6/20/2018	433.72	0.00	3.89	429.83
	9/5/2018	433.72	0.00	4.01	429.71
	7/18/2019	433.72	0.00	3.79	429.93
	11/13/2019	433.72	0.00	4.16	429.56
	7/8/2020	433.72	0.00	3.53	430.19
	12/9/2020	433.72	0.00	3.57	430.15
	6/2/2021	433.72	0.00	4.07	429.65
	11/22/2021	433.72	0.00	4.11	429.61
	5/17/2022	433.72	0.00	3.80	429.92
	12/7/2022	433.72	0.00	3.79	429.93
	6/6/2023	433.72	0.00	4.50	429.22
	10/31/2023	433.72	0.00	4.26	429.46
	6/19/2024	433.72	0.00	4.14	429.58
	11/20/2024	433.72	0.00	4.58	429.14
	6/4/2025	433.72	0.00	3.88	429.84
YMW-5 Casing: 0 to 1 feet Screen: 1 to 16 feet	5/27/2015	430.70	0.00	3.25	427.45
	6/22/2015	430.70	0.00	3.05	427.65
	7/28/2015	430.70	0.00	3.23	427.47
	8/24/2015	430.70	0.00	1.43	429.27
	9/21/2015	430.70	0.00	3.52	427.18
	10/29/2015	430.70	0.00	3.23	427.47
	11/18/2015	430.70	0.00	3.32	427.38
	12/9/2015	430.70	0.00	3.16	427.54
	1/12/2016	430.70	0.00	2.91	427.79
	3/8/2016	430.70	0.00	2.99	427.71
	6/7/2016	430.70	0.00	3.01	427.69
	9/13/2016	430.70	0.00	3.39	427.31
	11/21/2016	430.70	0.00	3.74	426.96
	3/9/2017	430.70	0.00	3.14	427.56
	6/7/2017	430.70	0.00	3.07	427.63
	9/6/2017	430.70	0.00	2.98	427.72
	11/1/2017	430.70	0.00	3.23	427.47
	3/6/2018	430.70	0.00	2.83	427.87
	6/20/2018	430.70	0.00	2.67	428.03
	9/5/2018	430.70	0.00	2.74	427.96
	7/18/2019	430.70	0.00	2.36	428.34
	11/13/2019	430.70	0.00	2.70	428.00
	7/8/2020	430.70	0.00	1.87	428.83
	12/9/2020	430.70	0.00	2.31	428.39
	6/2/2021	430.70	0.00	2.67	428.03
	11/22/2021	430.70	0.00	2.65	428.05
	5/17/2022	430.70	0.00	2.43	428.27
	12/7/2022	430.70	0.00	0.82	429.88
	6/6/2023	430.70	0.00	3.14	427.56
	10/31/2023	430.70	0.00	2.81	427.89
	6/19/2024	430.70	0.00	4.37	426.33
	11/20/2024	430.70	0.00	3.17	427.53
	6/4/2025	430.70	0.00	2.54	428.16

TABLE 2
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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
YMW-6 Casing: 0 to 3 feet Screen: 3 to 18 feet	5/27/2015	432.68	0.00	5.87	426.81
	6/22/2015	432.68	0.00	5.11	427.57
	7/28/2015	432.68	0.00	5.38	427.30
	8/24/2015	432.68	0.00	3.58	429.10
	9/21/2015	432.68	0.00	6.11	426.57
	10/29/2015	432.68	0.00	6.01	426.67
	11/18/2015	432.68	0.00	5.79	426.89
	12/9/2015	432.68	0.00	5.56	427.12
	1/12/2016	432.68	0.00	5.11	427.57
	3/8/2016	432.68	0.00	5.10	427.58
	6/7/2016	432.68	0.00	5.36	427.32
	9/13/2016	432.68	0.00	6.38	426.30
	11/21/2016	432.68	0.00	7.05	425.63
	3/9/2017	432.68	0.00	6.25	426.43
	6/7/2017	432.68	0.00	5.49	427.19
	9/6/2017	432.68	0.00	6.25	426.43
	11/1/2017	432.68	0.00	6.65	426.03
	3/6/2018	432.68	0.00	5.35	427.33
	6/20/2018	432.68	0.00	4.89	427.79
	9/5/2018	432.68	0.00	5.05	427.63
	7/18/2019	432.68	0.00	4.74	427.94
	11/13/2019	432.68	0.00	5.49	427.19
	7/8/2020	432.68	0.00	4.65	428.03
	12/9/2020	432.68	0.00	4.48	428.20
	6/2/2021	432.68	0.00	5.03	427.65
	11/22/2021	432.68	0.00	5.44	427.24
	5/17/2022	432.68	0.00	4.78	427.90
	12/7/2022	432.68	0.00	4.97	427.71
	6/6/2023	432.68	0.00	5.71	426.97
	10/31/2023	432.68	0.00	5.65	427.03
	6/19/2024	432.68	0.00	5.38	427.30
	11/20/2024	432.68	0.00	6.21	426.47
	6/4/2025	432.68	0.00	4.66	428.02
YMW-7 Casing: 0 to 18 feet Screen: 18 to 28 feet	5/27/2015	449.40	0.00	15.51	433.89
	6/22/2015	449.40	0.00	15.22	434.18
	7/28/2015	449.40	0.00	14.89	434.51
	8/24/2015	449.40	0.00	15.10	434.30
	9/21/2015	449.40	0.00	15.32	434.08
	10/29/2015	449.40	0.00	14.97	434.43
	11/18/2015	449.40	0.00	15.83	433.57
	12/9/2015	449.40	0.00	15.68	433.72
	1/12/2016	449.40	0.00	15.29	434.11
	3/8/2016	449.40	0.00	15.13	434.27
	6/7/2016	449.40	0.00	15.09	434.31
	9/13/2016	449.40	0.00	15.47	433.93
	11/21/2016	449.40	0.00	15.69	433.71
	3/9/2017	449.40	0.00	16.31	433.09
	6/7/2017	449.40	0.00	15.24	434.16
	9/6/2017	449.40	0.00	15.68	433.72
	11/1/2017	449.40	0.00	15.91	433.49
	3/6/2018	449.40	0.00	16.12	433.28
	6/20/2018	449.40	0.00	14.75	434.65
	9/5/2018	449.40	0.00	14.43	434.97
	7/18/2019	449.40	0.00	13.96	435.44
	11/13/2019	449.40	0.00	14.98	434.42
	7/8/2020	449.40	0.00	14.11	435.29
	12/9/2020	449.40	0.00	14.32	435.08
	6/2/2021	449.40	0.00	14.53	434.87
	11/22/2021	449.40	0.00	15.32	434.08
	5/17/2022	449.40	0.00	15.26	434.14
	12/7/2022	449.40	0.00	15.58	433.82
	6/6/2023	449.40	0.00	15.43	433.97
	10/31/2023	449.40	0.00	15.35	434.05
	6/19/2024	449.40	0.00	14.48	434.92
	11/20/2024	449.40	0.00	15.65	433.75
	6/4/2025	449.40	0.00	15.35	434.05

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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
YMW-8 Casing: 0 to 7 feet Screen: 7 to 22 feet	5/27/2015	446.91	0.00	13.61	433.30
	6/22/2015	446.91	0.00	13.44	433.47
	7/28/2015	446.91	0.00	13.34	433.57
	8/24/2015	446.91	0.00	13.55	433.36
	9/21/2015	446.91	0.00	13.85	433.06
	10/29/2015	446.91	0.00	13.56	433.35
	11/18/2015	446.91	0.00	14.11	432.80
	12/9/2015	446.91	0.00	13.94	432.97
	1/12/2016	446.91	0.00	13.57	433.34
	3/8/2016	446.91	0.00	13.05	433.86
	6/7/2016	446.91	0.00	13.52	433.39
	9/13/2016	446.91	0.00	14.03	432.88
	11/21/2016	446.91	0.00	14.39	432.52
	3/9/2017	446.91	0.00	14.61	432.30
	6/7/2017	446.91	0.00	14.07	432.84
	9/6/2017	446.91	0.00	14.28	432.63
	11/1/2017	446.91	0.00	14.43	432.48
	3/6/2018	446.91	0.00	14.07	432.84
	6/20/2018	446.91	0.00	12.80	434.11
	9/5/2018	446.91	0.00	12.99	433.92
	7/18/2019	446.91	0.00	12.57	434.34
	11/13/2019	446.91	0.00	13.63	433.28
	7/8/2020	446.91	0.00	11.71	435.20
	12/9/2020	446.91	0.00	12.76	434.15
	6/2/2021	446.91	0.00	12.99	433.92
	11/22/2021	446.91	0.00	13.89	433.02
	5/17/2022	446.91	0.00	13.03	433.88
	12/7/2022	446.91	0.00	13.98	432.93
	6/6/2023	446.91	0.00	13.92	432.99
	10/31/2023	446.91	0.00	14.01	432.90
	6/19/2024	446.91	0.00	13.05	433.86
	11/20/2024	446.91	0.00	14.21	432.70
	6/4/2025	446.91	0.00	13.48	433.43
YMW-9 Casing: 0 to 2.5 feet Screen: 2.5 to 17.5 feet	5/27/2015	436.71	0.00	6.02	430.69
	6/22/2015	436.71	0.00	5.81	430.90
	7/28/2015	436.71	0.00	5.94	430.77
	8/24/2015	436.71	0.00	4.14	432.57
	9/21/2015	436.71	0.00	6.17	430.54
	10/29/2015	436.71	0.00	5.99	430.72
	11/18/2015	436.71	0.00	6.13	430.58
	12/9/2015	436.71	0.00	5.86	430.85
	1/12/2016	436.71	0.00	5.04	431.67
	3/8/2016	436.71	0.00	5.43	431.28
	6/7/2016	436.71	0.00	5.93	430.78
	9/13/2016	436.71	0.00	6.44	430.27
	11/21/2016	436.71	0.00	6.50	430.21
	3/9/2017	436.71	0.00	6.23	430.48
	6/7/2017	436.71	0.00	6.13	430.58
	9/6/2017	436.71	0.00	6.42	430.29
	11/1/2017	436.71	0.00	6.34	430.37
	3/6/2018	436.71	0.00	5.29	431.42
	6/20/2018	436.71	0.00	5.73	430.98
	9/5/2018	436.71	0.00	5.88	430.83
	7/18/2019	436.71	0.00	5.65	431.06
	11/13/2019	436.71	0.00	5.87	430.84
	7/8/2020	436.71	0.00	5.27	431.44
	12/9/2020	436.71	0.00	4.91	431.80
	6/2/2021	436.71	0.00	5.96	430.75
	11/22/2021	436.71	0.00	6.17	430.54
	5/17/2022	436.71	0.00	5.48	431.23
	12/7/2022	436.71	0.00	5.49	431.22
	6/6/2023	436.71	0.00	6.50	430.21
	10/31/2023	436.71	0.00	6.39	430.32
	6/19/2024	436.71	0.00	6.16	430.55
	11/20/2024	436.71	0.00	6.36	430.35
	6/4/2025	436.71	0.00	5.53	431.18

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YP-1 Casing: 0 to 8 feet Screen: 8 to 13 feet	5/27/2015	440.41	0.00	9.34	431.07
	6/22/2015	440.41	0.00	9.18	431.23
	7/28/2015	440.41	0.00	8.79	431.62
	8/24/2015	440.41	0.00	8.99	431.42
	9/21/2015	440.41	0.00	9.20	431.21
	10/29/2015	440.41	0.00	8.96	431.45
	11/18/2015	440.41	0.00	9.30	431.11
	12/9/2015	440.41	0.00	9.17	431.24
	1/12/2016	440.41	0.00	9.14	431.27
	3/8/2016	440.41	0.00	9.24	431.17
	6/7/2016	440.41	0.00	9.14	431.27
	9/13/2016	440.41	0.00	8.18	432.23
	11/21/2016	440.41	0.00	9.25	431.16
	3/10/2017	440.41	0.00	9.39	431.02
	6/8/2017	440.41	0.00	9.34	431.07
	9/7/2017	440.41	0.00	9.29	431.12
	11/2/2017	440.41	0.00	9.32	431.09
	3/7/2018	440.41	0.00	9.41	431.00
	6/21/2018	440.41	0.00	9.14	431.27
	9/6/2018	440.41	0.00	9.01	431.40
	7/18/2019	440.41	0.00	8.93	431.48
	11/13/2019	440.41	0.00	9.16	431.25
	7/8/2020	440.41	0.00	8.77	431.64
	12/9/2020	440.41	0.00	8.93	431.48
	6/2/2021	440.41	0.00	9.12	431.29
	11/22/2021	440.41	0.00	9.09	431.32
	5/17/2022	440.41	0.00	9.13	431.28
	12/7/2022	440.41	0.00	9.12	431.29
	6/6/2023	440.41	0.00	9.22	431.19
	10/31/2023	440.41	0.00	9.01	431.40
	6/19/2024	440.41	0.00	8.98	431.43
	11/20/2024	440.41	0.00	9.13	431.28
	6/4/2025	440.41	0.00	9.17	431.24
YP-2 Casing: 0 to 7 feet Screen: 7 to 12 feet	5/27/2015	438.35	0.00	8.36	429.99
	6/22/2015	438.35	0.00	7.98	430.37
	7/28/2015	438.35	0.00	8.08	430.27
	8/24/2015	438.35	0.00	8.28	430.07
	9/21/2015	438.35	0.00	8.13	430.22
	10/29/2015	438.35	0.00	7.91	430.44
	11/18/2015	438.35	0.00	8.36	429.99
	12/9/2015	438.35	0.00	8.25	430.10
	1/12/2016	438.35	0.00	8.17	430.18
	3/8/2016	438.35	0.00	8.15	430.20
	6/7/2016	438.35	0.00	8.07	430.28
	9/13/2016	438.35	0.00	8.07	430.28
	11/21/2016	438.35	0.00	8.11	430.24
	3/10/2017	438.35	0.00	8.11	430.24
	6/8/2017	438.35	0.00	8.23	430.12
	9/7/2017	438.35	0.00	8.10	430.25
	11/2/2017	438.35	0.00	8.08	430.27
	3/7/2018	438.35	0.00	8.12	430.23
	6/21/2018	438.35	0.00	8.13	430.22
	9/6/2018	438.35	0.00	8.16	430.19
	7/18/2019	438.35	0.00	8.03	430.32
	11/13/2019	438.35	0.00	8.16	430.19
	7/8/2020	438.35	0.00	7.53	430.82
	12/9/2020	438.35	0.00	7.97	430.38
	6/2/2021	438.35	0.00	8.12	430.23
	11/22/2021	438.35	0.00	8.03	430.32
	5/17/2022	438.35	0.00	7.94	430.41
	12/7/2022	438.35	0.00	7.99	430.36
	6/6/2023	438.35	0.00	8.07	430.28
	10/31/2023	438.35	0.00	8.10	430.25
	6/19/2024	438.35	0.00	7.99	430.36
	11/20/2024	438.35	0.00	8.12	430.23
	6/4/2025	438.35	0.00	8.13	430.22

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YP-3 Casing: 0 to 5.5 feet Screen: 5.5 to 10.5 feet	5/27/2015	436.51	0.00	5.47	431.04
	6/22/2015	436.51	0.00	4.75	431.76
	7/28/2015	436.51	0.00	5.08	431.43
	8/24/2015	436.51	0.00	5.11	431.40
	9/21/2015	436.51	0.00	5.19	431.32
	10/29/2015	436.51	0.00	4.88	431.63
	11/18/2015	436.51	0.00	5.40	431.11
	12/9/2015	436.51	0.00	5.27	431.24
	1/12/2016	436.51	0.00	4.93	431.58
	3/8/2016	436.51	0.00	4.74	431.77
	6/7/2016	436.51	0.00	5.02	431.49
	9/13/2016	436.51	0.00	5.32	431.19
	11/21/2016	436.51	0.00	6.65	429.86
	3/10/2017	436.51	0.00	5.62	430.89
	6/8/2017	436.51	0.00	5.21	431.30
	9/7/2017	436.51	0.00	5.16	431.35
	11/2/2017	436.51	0.00	5.94	430.57
	3/7/2018	436.51	0.00	4.95	431.56
	6/21/2018	436.51	0.00	4.62	431.89
	9/6/2018	436.51	0.00	4.76	431.75
	7/18/2019	436.51	0.00	4.49	432.02
	11/13/2019	436.51	0.00	5.03	431.48
	7/8/2020	436.51	0.00	4.33	432.18
	12/9/2020	436.51	0.00	4.54	431.97
	6/2/2021	436.51	0.00	4.74	431.77
	11/22/2021	436.51	0.00	5.20	431.31
	5/17/2022	436.51	0.00	4.74	431.77
	12/7/2022	436.51	0.00	4.34	432.17
	6/6/2023	436.51	0.00	5.36	431.15
	10/31/2023	436.51	0.00	7.36	429.15
	6/19/2024	436.51	0.00	5.02	431.49
	11/20/2024	436.51	0.00	6.26	430.25
	6/4/2025	436.51	0.00	4.81	431.70
YP-4 Casing: 0 to 8 feet Screen: 8 to 13 feet	5/27/2015	441.83	0.00	9.07	432.76
	6/22/2015	441.83	0.00	8.96	432.87
	7/28/2015	441.83	0.00	8.27	433.56
	8/24/2015	441.83	0.00	9.18	432.65
	9/21/2015	441.83	0.00	9.31	432.52
	10/29/2015	441.83	0.00	9.11	432.72
	11/18/2015	441.83	0.00	9.41	432.42
	12/9/2015	441.83	0.00	9.28	432.55
	1/12/2016	441.83	0.00	8.78	433.05
	3/8/2016	441.83	0.00	8.54	433.29
	6/7/2016	441.83	0.00	9.02	432.81
	9/13/2016	441.83	0.00	9.53	432.30
	11/21/2016	441.83	0.00	9.74	432.09
	3/10/2017	441.83	0.00	9.91	431.92
	6/8/2017	441.83	0.00	9.31	432.52
	9/7/2017	441.83	0.00	9.72	432.11
	11/2/2017	441.83	0.00	9.82	432.01
	3/7/2018	441.83	0.00	9.23	432.60
	6/21/2018	441.83	0.00	8.48	433.35
	9/6/2018	441.83	0.00	8.61	433.22
	7/18/2019	441.83	0.00	8.18	433.65
	11/13/2019	441.83	0.00	9.01	432.82
	7/8/2020	441.83	0.00	8.37	433.46
	12/9/2020	441.83	0.00	8.06	433.77
	6/2/2021	441.83	0.00	8.59	433.24
	11/22/2021	441.83	0.00	9.29	432.54
	5/17/2022	441.83	0.00	8.57	433.26
	12/7/2022	441.83	0.00	9.34	432.49
	6/6/2023	441.83	0.00	9.46	432.37
	10/31/2023	441.83	0.00	9.45	432.38
	6/19/2024	441.83	0.00	8.72	433.11
	11/20/2024	441.83	0.00	9.63	432.20
	6/4/2025	441.83	0.00	8.75	433.08

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Towson, MD
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Monitoring Well/Piezometer Identification	Gauging Date	Top of Casing Elevation (ft)	LPH Thickness (ft)	Depth to Groundwater (ft)	Corrected Groundwater Table Elevation (ft)
YP-5 Casing: 0 to 5 feet Screen: 5 to 10 feet	5/27/2015	433.65	0.00	4.21	429.44
	6/22/2015	433.65	0.00	4.49	429.16
	7/28/2015	433.65	0.00	5.48	428.17
	8/24/2015	433.65	0.00	3.68	429.97
	9/21/2015	433.65	0.00	4.12	429.53
	10/29/2015	433.65	0.00	4.02	429.63
	11/18/2015	433.65	0.00	4.02	429.63
	12/9/2015	433.65	0.00	3.88	429.77
	1/12/2016	433.65	0.00	4.69	428.96
	3/8/2016	433.65	0.00	3.97	429.68
	6/7/2016	433.65	0.00	4.31	429.34
	9/13/2016	433.65	0.00	4.33	429.32
	11/21/2016	433.65	0.00	4.37	429.28
	3/10/2017	433.65	0.00	4.18	429.47
	6/8/2017	433.65	0.00	4.31	429.34
	9/7/2017	433.65	0.00	3.31	430.34
	11/2/2017	433.65	0.00	4.33	429.32
	3/7/2018	433.65	0.00	3.84	429.81
	6/21/2018	433.65	0.00	3.93	429.72
	9/6/2018	433.65	0.00	4.01	429.64
	7/18/2019	433.65	0.00	3.83	429.82
	11/13/2019	433.65	0.00	3.96	429.69
	7/8/2020	433.65	0.00	1.84	431.81
	12/9/2020	433.65	0.00	2.32	431.33
	6/2/2021	433.65	0.00	4.21	429.44
	11/22/2021	433.65	0.00	4.09	429.56
	5/17/2022	433.65	0.00	3.98	429.67
	12/7/2022	433.65	0.00	1.64	432.01
	6/6/2023	433.65	0.00	4.54	429.11
	10/31/2023	433.65	0.00	3.65	430.00
	6/19/2024	433.65	0.00	4.37	429.28
	11/20/2024	433.65	0.00	3.39	430.26
	6/4/2025	433.65	0.00	3.56	430.09

Notes:

ft = feet

LPH = Liquid Phase Hydrocarbons

NM = Not Monitored (Well not accessible)

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Yakona Road Curb Inlet	8/29/2023	0.0	0.1
	9/13/2023	0.0	0.1
	9/19/2023	0.0	0.0
	9/25/2023	0.0	0.0
	10/4/2023	0.0	0.9
	10/11/2023	0.0	1.7
	11/8/2023	0.0	0.0
	11/14/2023	0.0	0.0
	11/20/2023	0.0	0.0
	11/29/2023	0.0	0.2
	12/5/2023	0.0	0.0
	12/20/2023	0.0	0.0
	12/28/2023	0.0	0.0
	1/2/2024	0.0	0.0
	1/10/2024	0.0	0.0
	1/31/2024	0.0	0.0
	2/8/2024	0.0	0.0
	2/14/2024	0.0	0.0
	2/21/2024	0.0	0.0
	2/28/2024	0.0	0.0
	3/7/2024	0.0	0.0
	3/13/2024	0.0	0.0
	3/21/2024	0.0	0.0
	3/27/2024	0.0	0.0
	4/3/2024	0.0	0.0
	4/9/2024	0.0	0.0
	4/16/2024	0.0	0.0
	4/24/2024	0.0	0.0
	5/2/2024	0.0	0.0
	5/9/2024	0.0	0.0
	5/15/2024	0.0	0.0
	5/23/2024	0.0	0.0
	5/30/2024	0.0	0.0
	6/5/2024	0.0	0.0
	6/12/2024	0.0	0.0
	6/19/2024	0.0	0.0
	6/24/2024	0.0	0.0
	7/2/2024	0.0	0.0
	7/10/2024	0.0	0.0
	7/16/2024	0.0	0.0
	7/24/2024	0.0	0.0
	7/31/2024	0.0	0.0
	8/7/2024	0.0	0.0
	8/14/2024	0.0	0.0
	8/21/2024	0.0	0.0
	8/28/2024	0.0	0.0
	9/4/2024	0.0	0.0
	9/11/2024	0.0	0.0
	9/17/2024	0.0	0.0
	9/25/2024	0.0	0.0
	10/2/2024	0.0	0.0
	10/9/2024	0.0	0.0
	10/17/2024	0.0	0.0
	10/25/2024	0.0	0.0
	10/31/2024	0.0	0.0
	11/5/2024	0.0	0.0
	11/26/2024	0.0	0.0
	12/5/2024	0.0	0.0
	12/10/2024	0.0	0.0
	12/23/2024	0.0	0.0
	12/30/2024	0.0	0.0
	1/15/2025	0.0	0.0
	1/22/2025	0.0	0.0
	1/29/2025	0.0	0.0
	2/5/2025	0.0	0.0
	2/11/2025	0.0	0.1
	2/19/2025	0.0	0.0
	2/26/2025	0.0	0.0
	3/5/2025	0.0	0.0
	3/12/2025	0.0	0.0
	3/20/2025	0.0	0.0
	3/26/2025	0.0	0.0
	4/2/2025	0.0	0.1
	4/10/2025	0.0	0.0
	4/16/2025	0.0	0.0
	4/23/2025	0.0	0.0
	4/29/2025	0.0	0.0
	5/7/2025	0.0	0.0
	5/14/2025	0.0	0.0
	5/20/2025	0.0	0.0
	6/3/2025	0.0	0.0
	6/10/2025	0.0	0.0
	6/25/2025	0.0	0.0

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Manhole 3	8/29/2023	0.0	0.0
	9/13/2023	0.0	0.1
	9/19/2023	0.0	0.0
	9/25/2023	0.0	0.0
	10/4/2023	0.0	0.3
	10/11/2023	0.0	0.8
	11/8/2023	0.0	0.0
	11/14/2023	0.0	0.0
	11/20/2023	0.0	0.1
	11/29/2023	0.0	0.2
	12/5/2023	0.0	0.0
	12/20/2023	0.0	0.0
	12/28/2023	0.0	0.0
	1/2/2024	0.0	0.1
	1/10/2024	0.0	0.1
	1/31/2024	0.0	0.0
	2/8/2024	0.0	0.0
	2/14/2024	0.0	0.0
	2/21/2024	0.0	0.0
	2/28/2024	0.0	0.0
	3/7/2024	0.0	0.0
	3/13/2024	0.0	0.0
	3/21/2024	0.0	0.0
	3/27/2024	0.0	0.0
	4/3/2024	0.0	0.0
	4/9/2024	0.0	0.0
	4/16/2024	0.0	0.0
	4/24/2024	0.0	0.0
	5/2/2024	0.0	0.0
	5/9/2024	0.0	0.0
	5/15/2024	0.0	0.0
	5/23/2024	0.0	0.0
	5/30/2024	0.0	0.1
	6/5/2024	0.0	0.0
	6/12/2024	0.0	0.0
	6/19/2024	0.0	0.0
	6/24/2024	0.0	0.0
	7/2/2024	0.0	0.0
	7/10/2024	0.0	0.0
	7/16/2024	0.0	0.0
	7/24/2024	0.0	0.0
	7/31/2024	0.0	0.0
	8/7/2024	0.0	0.0
	8/14/2024	0.0	0.0
	8/21/2024	0.0	0.0
	8/28/2024	0.0	0.0
	9/4/2024	0.0	0.0
	9/11/2024	0.0	0.0
	9/17/2024	0.0	0.0
	9/25/2024	0.0	0.0
	10/2/2024	0.0	0.0
	10/9/2024	0.0	0.0
	10/17/2024	0.0	0.0
	10/25/2024	0.0	0.0
	10/31/2024	0.0	0.0
	11/5/2024	0.0	0.0
	11/26/2024	0.0	0.0
	12/5/2024	0.0	0.0
	12/10/2024	0.0	0.0
	12/23/2024	0.0	0.0
	12/30/2025	0.0	0.0
	1/15/2025	0.0	0.0
	1/22/2025	0.0	0.0
	1/29/2025	0.0	0.0
	2/5/2025	0.0	0.0
	2/11/2025	0.0	0.0
	2/19/2025	0.0	0.0
	2/26/2025	0.0	0.0
	3/5/2025	0.0	0.0
	3/12/2025	0.0	0.0
	3/20/2025	0.0	0.0
	3/26/2025	0.0	0.0
	4/2/2025	0.0	0.0
	4/10/2025	0.0	0.0
	4/16/2025	0.0	0.0
	4/23/2025	0.0	0.0
	4/29/2025	0.0	0.0
	5/7/2025	0.0	0.0
	5/14/2025	0.0	0.0
	5/20/2025	0.0	0.0
	6/3/2025	0.0	0.0
	6/10/2025	0.0	0.0
	6/25/2025	0.0	0.0

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Manhole 21	8/29/2023	0.0	1.4
	9/13/2023	0.0	20.3
	9/19/2023	0.0	0.2
	9/25/2023	0.0	0.7
	10/4/2023	0.0	15.3
	10/11/2023	0.0	11.2
	11/8/2023	0.0	0.4
	11/14/2023	0.0	0.5
	11/20/2023	0.0	0.1
	11/29/2023	0.0	0.4
	12/5/2023	0.0	0.0
	12/20/2023	0.0	0.5
	12/28/2023	0.0	1.5
	1/2/2024	0.0	0.1
	1/10/2024	0.0	2.0
	1/31/2024	0.0	0.2
	2/8/2024	0.0	1.2
	2/14/2024	0.0	1.5
	2/21/2024	0.0	0.1
	2/28/2024	0.0	8.1
	3/7/2024	0.0	24.1
	3/13/2024	0.0	17.2
	3/21/2024	0.0	0.2
	3/27/2024	0.0	3.4
	4/3/2024	0.0	0.5
	4/9/2024	0.0	19.8
	4/16/2024	0.0	1.2
	4/24/2024	0.0	4.5
	5/2/2024	0.0	15.2
	5/9/2024	0.0	9.8
	5/15/2024	0.0	5.4
	5/23/2024	0.0	5.6
	5/30/2024	0.0	17.4
	6/5/2024	0.0	13.8
	6/12/2024	0.0	5.8
	6/19/2024	0.0	2.8
	6/24/2024	0.0	0.8
	7/2/2024	0.0	5.6
	7/10/2024	0.0	4.8
	7/16/2024	0.0	5.4
	7/24/2024	0.0	9.1
	7/31/2024	0.0	5.4
	8/7/2024	0.0	0.6
	8/14/2024	0.0	4.3
	8/21/2024	0.0	4.5
	8/28/2024	0.0	4.9
	9/4/2024	0.0	9.5
	9/11/2024	0.0	5.8
	9/17/2024	0.0	3.6
	9/25/2024	0.0	5.6
	10/2/2024	0.0	1.8
	10/9/2024	0.0	0.6
	10/17/2024	0.0	0.3
	10/25/2024	0.0	1.8
	10/31/2024	0.0	0.3
	11/5/2024	0.0	0.4
	11/26/2024	0.0	1.4
	12/5/2024	0.0	0.1
	12/10/2024	0.0	0.0
	12/23/2024	0.0	0.8
	12/30/2025	0.0	0.1
	1/15/2025	0.0	0.4
	1/22/2025	0.0	0.4
	1/29/2025	0.0	0.1
	2/5/2025	0.0	0.1
	2/11/2025	0.0	0.1
	2/19/2025	0.0	0.8
	2/26/2025	0.0	0.2
	3/5/2025	0.0	0.7
	3/12/2025	0.0	0.1
	3/20/2025	0.0	0.1
	3/26/2025	0.0	0.2
	4/2/2025	0.0	0.2
	4/10/2025	0.0	0.3
	4/16/2025	0.0	0.4
	4/23/2025	0.0	1.4
	4/29/2025	0.0	0.2
	5/7/2025	0.0	0.3
	5/14/2025	0.0	0.3
	5/20/2025	0.0	0.0
	6/3/2025	0.0	18.5
	6/10/2025	0.0	15.7
	6/25/2025	0.0	15.2

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Manhole 22	8/29/2023	0.0	0.0
	9/13/2023	0.0	0.0
	9/19/2023	0.0	12.9
	9/25/2023	0.0	3.4
	10/4/2023	0.0	0.1
	10/11/2023	0.0	0.0
	11/8/2023	0.0	7.7
	11/14/2023	0.0	5.3
	11/20/2023	0.0	5.4
	11/29/2023	0.0	6.4
	12/5/2023	0.0	21.5
	12/20/2023	0.0	4.5
	12/28/2023	0.0	5.1
	1/2/2024	0.0	2.9
	1/10/2024	0.0	5.8
	1/31/2024	0.0	14.1
	2/8/2024	0.0	13.6
	2/14/2024	0.0	5.1
	2/21/2024	0.0	12.1
	2/28/2024	0.0	27.1
	3/7/2024	0.0	0.1
	3/13/2024	0.0	0.5
	3/21/2024	0.0	18.8
	3/27/2024	0.0	37.9
	4/3/2024	0.0	3.2
	4/9/2024	0.0	0.3
	4/16/2024	0.0	0.2
	4/24/2024	0.0	0.0
	5/2/2024	0.0	0.0
	5/9/2024	0.0	0.0
	5/15/2024	0.0	0.0
	5/23/2024	0.0	0.1
	5/30/2024	0.0	0.2
	6/5/2024	0.0	0.0
	6/12/2024	0.0	0.1
	6/19/2024	0.0	0.0
	6/24/2024	0.0	6.9
	7/2/2024	0.0	1.4
	7/10/2024	0.0	8.8
	7/16/2024	0.0	3.2
	7/24/2024	0.0	1.3
	7/21/2024	0.0	1.5
	8/7/2024	0.0	0.0
	8/14/2024	0.0	0.5
	8/21/2024	0.0	0.2
	8/28/2024	0.0	0.7
	9/4/2024	0.0	1.4
	9/11/2024	0.0	1.7
	9/17/2024	0.0	0.6
	9/25/2024	0.0	0.9
	10/2/2024	0.0	10.5
	10/9/2024	0.0	11.1
	10/17/2024	0.0	6.4
	10/25/2024	0.0	1.5
	10/31/2024	0.0	0.1
	11/5/2024	0.0	0.1
	11/26/2024	0.0	0.3
	12/5/2024	0.0	0.1
	12/10/2024	0.0	0.1
	12/23/2024	0.0	0.1
	12/30/2025	0.0	0.0
	1/15/2025	0.0	0.2
	1/22/2025	0.0	0.2
	1/29/2025	0.0	0.2
	2/5/2025	0.0	0.0
	2/11/2025	0.0	0.2
	2/19/2025	0.0	0.1
	2/26/2025	0.0	0.0
	3/5/2025	0.0	0.1
	3/12/2025	0.0	0.1
	3/20/2025	0.0	0.0
	3/26/2025	0.0	0.0
	4/2/2025	0.0	0.1
	4/10/2025	0.0	0.0
	4/16/2025	0.0	0.1
	4/23/2025	0.0	0.1
	4/29/2025	0.0	0.0
	5/7/2025	0.0	0.0
	5/14/2025	0.0	0.1
	5/20/2025	0.0	0.3
	6/3/2025	0.0	0.2
	6/10/2025	0.0	0.0
	6/25/2025	0.0	0.1

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Manhole 23	8/29/2023	0.0	0.5
	9/13/2023	0.0	0.0
	9/19/2023	0.0	7.4
	9/25/2023	0.0	0.0
	10/4/2023	0.0	0.0
	10/11/2023	0.0	0.0
	11/8/2023	0.0	31.1
	11/14/2023	0.0	9.0
	11/20/2023	0.0	18.5
	11/29/2023	0.0	1.5
	12/5/2023	0.0	3.8
	12/20/2023	0.0	14.8
	12/28/2023	0.0	8.5
	1/2/2024	0.0	10.7
	1/10/2024	0.0	1.3
	1/31/2024	0.0	24.1
	2/8/2024	0.0	57.1
	2/14/2024	0.0	16.7
	2/21/2024	0.0	46.3
	2/28/2024	0.0	2.0
	3/7/2024	0.0	2.8
	3/13/2024	0.0	15.8
	3/21/2024	0.0	15.6
	3/27/2024	0.0	14.5
	4/3/2024	0.0	4.5
	4/9/2024	0.0	1.4
	4/16/2024	0.0	0.1
	4/24/2024	0.0	0.2
	5/2/2024	0.0	11.1
	5/9/2024	0.0	3.3
	5/15/2024	0.0	12.8
	5/23/2024	0.0	0.1
	5/30/2024	0.0	10.5
	6/5/2024	0.0	0.7
	6/12/2024	0.0	14.2
	6/19/2024	0.0	5.1
	6/24/2024	0.0	9.8
	7/2/2024	0.0	1.5
	7/10/2024	0.0	6.9
	7/16/2024	0.0	1.8
	7/24/2024	0.0	0.2
	7/31/2024	0.0	0.9
	8/7/2024	0.0	0.0
	8/14/2024	0.0	0.0
	8/21/2024	0.0	1.8
	8/28/2024	0.0	0.1
	9/4/2024	0.0	0.1
	9/11/2024	0.0	2.9
	9/17/2024	0.0	0.0
	9/25/2024	0.0	0.1
	10/2/2024	0.0	0.2
	10/9/2024	0.0	6.3
	10/17/2024	0.0	9.4
	10/25/2024	0.0	5.5
	10/31/2024	0.0	6.8
	11/5/2024	0.0	5.4
	11/26/2024	0.0	2.1
	12/5/2024	0.0	3.1
	12/10/2024	0.0	5.4
	12/23/2024	0.0	3.2
	12/30/2025	0.0	0.2
	1/15/2025	0.0	0.4
	1/22/2025	0.0	3.8
	1/29/2025	0.0	0.4
	2/5/2025	0.0	0.1
	2/11/2025	0.0	0.8
	2/19/2025	0.0	0.2
	2/26/2025	0.0	0.1
	3/5/2025	0.0	2.5
	3/12/2025	0.0	0.2
	3/20/2025	0.0	0.1
	3/26/2025	0.0	0.1
	4/2/2025	0.0	0.1
	4/10/2025	0.0	0.1
	4/16/2025	0.0	0.0
	4/23/2025	0.0	0.1
	4/29/2025	0.0	0.1
	5/7/2025	0.0	0.1
	5/14/2025	0.0	0.0
	5/20/2025	0.0	0.0
	6/3/2025	0.0	0.0
	6/10/2025	0.0	0.0
	6/25/2025	0.0	0.0

TABLE 3
MONTHLY PID SCREENING RESULTS SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Location (Corresponds with Site Plan)	Date	Breathing Zone Readings (ppm)	Below Grade Readings (ppm)
Manhole 24	8/29/2023	0.0	0.1
	9/13/2023	0.0	0.0
	9/19/2023	0.0	0.1
	9/25/2023	0.0	0.1
	10/4/2023	0.0	0.0
	10/11/2023	0.0	0.0
	11/8/2023	0.0	22.1
	11/14/2023	0.0	9.5
	11/20/2023	0.0	10.5
	11/29/2023	0.0	4.4
	12/5/2023	0.0	8.2
	12/20/2023	0.0	5.8
	12/28/2023	0.0	3.1
	1/2/2024	0.0	9.8
	1/10/2024	0.0	0.6
	1/31/2024	0.0	26.9
	2/8/2024	0.0	34.8
	2/14/2024	0.0	17.6
	2/21/2024	0.0	24.5
	2/28/2024	0.0	1.2
	3/7/2024	0.0	5.1
	3/13/2024	0.0	13.3
	3/21/2024	0.0	29.2
	3/27/2024	0.0	37.8
	4/3/2024	0.0	7.8
	4/9/2024	0.0	0.2
	4/16/2024	0.0	0.4
	4/24/2024	0.0	0.0
	5/2/2024	0.0	0.1
	5/9/2024	0.0	0.0
	5/15/2024	0.0	17.2
	5/23/2024	0.0	0.2
	5/30/2024	0.0	14.4
	6/5/2024	0.0	6.8
	6/12/2024	0.0	4.4
	6/19/2024	0.0	0.0
	6/24/2024	0.0	2.7
	7/2/2024	0.0	8.6
	7/10/2024	0.0	0.8
	7/16/2024	0.0	3.4
	7/24/2024	0.0	3.0
	7/31/2024	0.0	2.4
	8/7/2024	0.0	0.0
	8/14/2024	0.0	0.9
	8/21/2024	0.0	0.3
	8/28/2024	0.0	0.4
	9/4/2024	0.0	2.2
	9/11/2024	0.0	1.4
	9/17/2024	0.0	13.1
	9/25/2024	0.0	11.2
	10/2/2024	0.0	1.1
	10/9/2024	0.0	0.8
	10/17/2024	0.0	2.5
	10/25/2024	0.0	1.4
	10/31/2024	0.0	0.8
	11/5/2024	0.0	1.4
	11/26/2024	0.0	3.5
	12/5/2024	0.0	0.6
	12/10/2024	0.0	1.8
	12/23/2024	0.0	1.4
	12/30/2025	0.0	0.1
	1/15/2025	0.0	0.6
	1/22/2025	0.0	0.6
	1/29/2025	0.0	0.1
	2/5/2025	0.0	0.2
	2/11/2025	0.0	0.2
	2/19/2025	0.0	0.2
	2/26/2025	0.0	0.1
	3/5/2025	0.0	0.1
	3/12/2025	0.0	0.2
	3/20/2025	0.0	0.2
	3/26/2025	0.0	0.1
	4/2/2025	0.0	0.1
	4/10/2025	0.0	0.2
	4/16/2025	0.0	0.2
	4/23/2025	0.0	0.2
	4/29/2025	0.0	0.1
	5/7/2025	0.0	0.1
	5/14/2025	0.0	0.1
	5/20/2025	0.0	0.2
	6/3/2025	0.0	0.1
	6/10/2025	0.0	0.1
	6/25/2025	0.0	0.1

Notes: PID = Photoionization Detector ppm = parts per million

TABLE 4
GROUNDWATER TREATMENT SYSTEM
DISCHARGE SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Month Year	Monthly Discharge Volume (gallons)	Cumulative Discharge Volume (gallons)
January 2015	51,520	51,520
February 2015	41,600	93,120
March 2015	31,090	124,210
April 2015	18,940	143,150
May 2015	23,180	166,330
June 2015	36,940	203,270
July 2015	24,170	227,440
August 2015	29,460	256,900
September 2015	24,570	281,470
October 2015	18,540	300,010
November 2015	27,850	327,860
December 2015	45,180	373,040
January 2016	35,570	408,610
February 2016	33,300	441,910
March 2016	38,030	479,940
April 2016	54,020	533,960
May 2016	75,280	609,240
June 2016	54,560	663,800
July 2016	37,250	701,050
August 2016	32,410	733,460
September 2016	39,190	772,650
October 2016	34,620	807,270
November 2016	42,680	849,950
December 2016	45,380	895,330
January 2017	57,450	952,780
February 2017	30,100	982,880
March 2017	35,940	1,018,820
April 2017	32,050	1,050,870
May 2017	50,660	1,101,530
June 2017	48,510	1,150,040
July 2017	67,450	1,217,490
August 2017	41,410	1,258,900
September 2017	52,870	1,311,770
October 2017	47,560	1,359,330
November 2017	35,300	1,394,630
December 2017	38,470	1,433,100
January 2018	51,060	1,484,160
February 2018	29,770	1,513,930
March 2018	41,760	1,555,690
April 2018	37,050	1,592,740
May 2018	37,120	1,629,860
June 2018	36,080	1,665,940
July 2018	32,020	1,697,960
August 2018	43,500	1,741,460
September 2018	44,960	1,786,420
October 2018	52,550	1,838,970

TABLE 4
GROUNDWATER TREATMENT SYSTEM
DISCHARGE SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Month Year	Monthly Discharge Volume (gallons)	Cumulative Discharge Volume (gallons)
November 2018	42,510	1,881,480
December 2018	40,490	1,921,970
January 2019	43,930	1,965,900
February 2019	46,710	2,012,610
March 2019	45,230	2,057,840
April 2019	45,490	2,103,330
May 2019	83,670	2,187,000
June 2019	43,460	2,230,460
July 2019	69,230	2,299,690
August 2019	50,770	2,350,460
September 2019	65,450	2,415,910
October 2019	92,570	2,508,480
November 2019	57,370	2,565,850
December 2019	36,980	2,602,830
January 2020	50,330	2,653,160
February 2020	55,590	2,708,750
March 2020	59,510	2,768,260
April 2020	36,250	2,804,510
May 2020	87,810	2,892,320
June 2020	92,930	2,985,250
July 2020	95,870	3,081,120
August 2020	70,120	3,151,240
September 2020	56,800	3,208,040
October 2020	74,980	3,283,020
November 2020	77,770	3,360,790
December 2020	41,940	3,402,730
January 2021	59,180	3,461,910
February 2021	63,150	3,525,060
March 2021	78,320	3,603,380
April 2021	96,040	3,699,420
May 2021	71,500	3,770,920
June 2021	55,010	3,825,930
July 2021	63,690	3,889,620
August 2021	83,920	3,973,540
September 2021	58,050	4,031,590
October 2021	62,493	4,094,083
November 2021	79,797	4,173,880
December 2021	68,834	4,242,714
January 2022	48,957	4,291,671
February 2022	44,134	4,335,805
March 2022	62,802	4,398,607
April 2022	80,652	4,479,259
May 2022	73,233	4,552,492
June 2022	82,437	4,634,929
July 2022	61,181	4,696,110
August 2022	54,034	4,750,144

TABLE 4
GROUNDWATER TREATMENT SYSTEM
DISCHARGE SUMMARY

Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case No. 1991-2100-BA

Month Year	Monthly Discharge Volume (gallons)	Cumulative Discharge Volume (gallons)
September 2022	40,041	4,790,185
October 2022	58,655	4,848,840
November 2022	56,260	4,905,100
December 2022	87,908	4,993,008
January 2023	46,115	5,039,123
February 2023	62,985	5,102,108
March 2023	74,073	5,176,181
April 2023	84,145	5,260,326
May 2023	59,363	5,319,689
June 2023	31,153	5,350,842
July 2023	104,077	5,454,919
August 2023	109,186	5,564,105
September 2023	87,637	5,651,742
October 2023	115,344	5,767,086
November 2023	73,699	5,840,785
December 2023	70,670	5,911,455
January 2024	123,997	6,035,452
February 2024	100,798	6,136,250
March 2024	100,730	6,236,980
April 2024	104,061	6,341,041
May 2024	99,094	6,440,135
June 2024	76,639	6,516,774
July 2024	118,219	6,634,993
August 2024	93,560	6,728,553
September 2024	83,310	6,811,863
October 2024	99,750	6,911,613
November 2024	33,756	6,945,369
December 2024	52,709	6,998,078
January 2025	39,729	7,037,807
February 2025	42,731	7,080,538
March 2025	43,750	7,124,288
April 2025	72,457	7,196,745
May 2025	54,374	7,251,119
June 2025	88,614	7,339,733

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/19/2015	1.1	7.7	77.6	107	193.4	11.8	1.42	0.898	2.318	49.3
EFF	1/19/2015	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND
INF	1/26/2015	0.48 (J)	4.4	35.2	68.7	108.78 (J)	ND	0.973	0.454	1.427	35.1
EFF	1/26/2015	0.26 (J)	2.3	15.7	38.5	56.76 (J)	6.8	0.418	0.267	0.685	12.3
INF	2/4/2015	1.2	10.9	96.1	173	281.2	12.4	1.70	1.21	2.91	60.1
EFF	2/4/2015	ND	0.74 (J)	1.6	16.0	18.34 (J)	7.0	ND	ND	ND	0.84 (J)
INF	2/20/2015	0.90	8.7	81.5	167	258.10	14.5	1.79	0.826	2.616	62.5
EFF	2/20/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	3/3/2015	0.77	8.6	71.1	152	232.47	10.9	1.51	0.573	2.083	47.3
EFF	3/3/2015	ND	ND	ND	ND	ND	0.88 (J)	ND	ND	ND	ND
INF	3/30/2015	1.6	15.3	100	352	468.9	11.5	2.33	0.779	3.109	51.3
EFF	3/30/2015	ND	ND	ND	ND	ND	0.97 (J)	ND	ND	ND	ND
INF	4/7/2015	1.9	16.7	143	439	600.6	12.5	3.52	0.870	4.390	94.1
EFF	4/7/2015	ND	ND	ND	ND	ND	0.59 (J)	ND	ND	ND	ND
INF	4/27/2015	1.7	ND	ND	ND	1.7	ND	2.51	1.24	3.75	79.7
EFF	4/27/2015	ND	ND	ND	ND	ND	0.41 (J)	ND	ND	ND	ND
INF	5/4/2015	1.4	15.3	117	340	473.7	11.9	2.02	0.873	2.893	76.6
EFF	5/4/2015	ND	ND	ND	ND	ND	1.0	ND	0.192	0.192	ND
INF	5/18/2015	1.7	20.9	141	417	580.6	12.8	3.58	1.17	4.75	71.3
EFF	5/18/2015	ND	ND	ND	0.37 (J)	0.37 (J)	2.2	ND	ND	ND	ND
INF	6/2/2015	0.83	8.7	75.3	250	334.83	6.2	1.45	0.461	1.911	38.2
EFF	6/2/2015	ND	ND	ND	ND	ND	1.5	ND	0.114	0.114	ND
INF	6/23/2015	1.6	14.7	116	343	475.3	ND	1.45	0.937	2.387	69.3
EFF	6/23/2015	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND
INF	7/6/2015	1.7	13.1	109	355	478.8	11.6	2.20	1.02	3.22	67.4
EFF	7/6/2015	ND	ND	ND	0.27 (J)	0.27 (J)	3.8	ND	0.212	0.212	ND
INF	7/21/2015	1.4	10.4	81.4	278	371.2	7.0	2.03	0.943	2.973	58.7
EFF	7/21/2015	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND
INF	8/3/2015	2.3	17.7	125	430	575.0	12.4	3.08	0.812	3.892	72.9
EFF	8/3/2015	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND
INF	8/20/2015	1.1	5.9	22.4	81.3	110.7	5.3	0.476	0.206	0.682	3.6 (J)
EFF	8/20/2015	ND	ND	ND	ND	ND	2.5	ND	0.239	0.239	ND
INF	9/9/2015	3.1	25.5	144	446	618.6	11.2	3.15	1.27	4.42	50.8
EFF	9/9/2015	ND	ND	ND	ND	ND	2.4	ND	0.448	0.448	ND
INF	9/22/2015	2.6	14.4	93.4	272	382.4	8.5	3.16	0.971	4.131	65.8
EFF	9/22/2015	ND	ND	ND	ND	ND	2.6	ND	0.0953	0.0953	ND
INF	10/7/2015	3.1	14.7	105	298	420.8	10.3	2.09	0.290	2.380	58.1
EFF	10/7/2015	ND	ND	ND	ND	ND	2.1	ND	0.0987	0.0987	ND
INF	10/13/2015	2.8	11.7	88.8	263	366.3	10.2	2.82	1.40	4.22	48.0
EFF	10/13/2015	ND	ND	ND	ND	ND	1.9	ND	0.105	0.105	ND
INF	11/10/2015	2.0	9.1	71.9	177	260.0	ND	1.98	0.807	2.787	35.7
EFF	11/10/2015	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND
INF	12/2/2015	1.9	4.3	48.7	106	160.9	7.3	1.02	0.502	1.522	39.7
EFF	12/2/2015	ND	ND	ND	ND	ND	3.8	ND	ND	ND	ND
INF	12/16/2015	1.8	5.0	57.4	111	175.2	7.6	1.17	0.527	1.697	51.0
EFF	12/16/2015	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND
INF	1/6/2016	2.4	7.0	86.8	144	240.2	7.2	1.90	0.627	2.527	41.2
EFF	1/6/2016	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/12/2016	1.2	3.7	36.5	83.2	124.6	5.4	1.31	0.376	1.686	21.0
EFF	1/12/2016	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND
INF	2/3/2016	0.86	3.3	26.6	66.1	96.86	3.2	0.668	0.340	1.008	17.5
EFF	2/3/2016	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
INF	2/9/2016	2.6	11.8	96.2	219	329.6	7.1	1.79	0.665	2.455	49.6
EFF	2/9/2016	ND	ND	ND	ND	ND	2.1	ND	0.0850	0.0850	ND
INF	3/3/2016	3.1	12.2	112	367	494.3	7.6	2.71	0.717	3.427	68.5
EFF	3/3/2016	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND
INF	3/9/2016	3.1	14.1	125	377	519.2	6.6	3.03	0.665	3.695	76.7
EFF	3/9/2016	ND	ND	ND	0.78 (J)	0.78 (J)	6.2	ND	ND	ND	ND
INF	4/6/2016	4.6	35.1	156	505	700.7	7.3	3.78	0.947	4.727	75.3
EFF	4/6/2016	ND	0.32 (J)	0.75 (J)	2.3	3.37 (J)	2.4	ND	ND	ND	ND
INF	4/12/2016	4.3	29.0	109	439	581.3	7.4	2.83	0.994	3.824	74.9
EFF	4/12/2016	ND	0.17 (J)	0.41 (J)	1.4	1.98 (J)	1.4	ND	ND	ND	ND
INF	5/4/2016	2.7	23.1	123	358	506.8	5.0	2.43	0.656	3.086	63.2
EFF	5/4/2016	ND	0.40 (J)	0.94 (J)	3.6	4.94 (J)	3.7	ND	ND	ND	ND
INF	5/12/2016	3.8	29.2	166	388	587.0	7.4	3.28	1.40	4.68	76.1
EFF	5/12/2016	0.22 (J)	0.58 (J)	1.2	3.1	5.1 (J)	5.8	ND	0.269	0.269	ND
INF	6/8/2016	4.6	33.2	187	466	690.8	7.3	3.24	0.777	4.017	86.0
EFF	6/8/2016	0.50	1.4	3.5	10.4	15.80	7.2	0.226	ND	0.226	ND
INF	6/14/2016	4.9	30.1	164	422	621.0	7.2	2.94	0.822	3.762	74.4
EFF	6/14/2016	0.83	3.0	8.1	20.5	32.43	4.9	0.316	ND	0.316	ND
INF	7/7/2016	3.9	22.1	144	353	523.0	ND	2.64	1.11	3.75	73.8
EFF	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	7/12/2016	2.2	11.6	68.8	203	285.6	3.5	1.66	0.957	2.617	42.9
EFF	7/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	8/3/2016	3.0	7.0	36.3	147	193.3	4.7	1.28	0.810	2.090	41.4
EFF	8/3/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	8/17/2016	3.5	12.4	81.5	273	370.4	5.2	2.10	0.792	2.892	63.1
EFF	8/17/2016	ND	ND	ND	ND	0.00	0.70 (J)	ND	ND	ND	ND
INF	9/8/2016	4.3	10.2	88.9	263	366.4	5.6	2.26	0.802	3.062	61.0
EFF	9/8/2016	ND	ND	0.36 (J)	0.40 (J)	0.76 (J)	1.4	ND	ND	ND	ND
INF	9/14/2016	3.8	8.4	84.9	218	315.1	4.7	1.92	1.06	2.980	58.2
EFF	9/14/2016	ND	ND	0.30 (J)	0.59 (J)	0.89 (J)	0.84	ND	ND	ND	ND
INF	10/12/2016	4.4	5.0	15.4	79.2	104.0	5.4	1.24	0.704	1.94	6.1
EFF	10/12/2016	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND
INF	10/18/2016	4.9	6.8	46.0	177	234.7	4.9	2.72	1.06	3.78	53.7
EFF	10/18/2016	ND	ND	0.36 (J)	0.50 (J)	0.86 (J)	1.80	ND	ND	ND	ND
INF	11/3/2016	6.7	7.4	61.0	164	239.1	4.4	2.89	1.01	3.90	65.3
EFF	11/3/2016	ND	ND	0.35 (J)	ND	0.35 (J)	1.70	ND	ND	ND	ND
INF	11/8/2016	7.5	8.1	28.3	193	236.9	4.1	3.75	1.36	5.11	83.1
EFF	11/8/2016	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND
INF	12/7/2016	2.2	1.4	10.4	23.9	37.9	3.5	0.971	0.329	1.300	8.3
EFF	12/7/2016	ND	ND	ND	ND	ND	3.10	ND	ND	ND	ND
INF	12/15/2016	2.9	2.3	24.2	26.7	56.1	4.3	ND	0.486	0.486	18.2
EFF	12/15/2016	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND
INF	1/4/2017	2.7	5.3	26.6	34.7	69.3	4.7	1.12	0.46	1.58	13.8
EFF	1/4/2017	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/11/2017	3.5	4.7	44.2	43.1	95.5	5.4	1.12	0.367	1.49	18.8
EFF	1/11/2017	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND
INF	2/7/2017	3.9	4.3	53.6	59.0	120.8	5.5	1.58	0.464	2.04	21.1
EFF	2/7/2017	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
INF	2/21/2017	3.1	3.3	47.1	60.5	114.0	5.2	1.62	0.394	2.01	17.5
EFF	2/21/2017	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND
INF	3/1/2017	3.0	3.3	49.6	65.0	120.9	5.3	1.54	0.322	1.86	17.0
EFF	3/1/2017	ND	ND	0.24 (J)	ND	0.24 (J)	2.5	ND	ND	ND	ND
INF	3/10/2017	2.9	3.0	40.3	59.1	105.3	5.8	1.09	0.444	1.53	21.0
EFF	3/10/2017	0.28 (J)	ND	0.58 (J)	1.2	2.06 (J)	2.5	0.123	ND	0.123	ND
INF	4/4/2017	2.1	4.7	53	187	246.8	6.8	2.07	0.708	2.778	24.9
EFF	4/4/2017	0.31 (J)	ND	0.51 (J)	2.8	3.62 (J)	3.9	0.113	ND	0.113	ND
INF	4/11/2017	2.3	6.2	59.2	168	235.7	8.1	1.63	1.140	2.770	31.8
EFF	4/11/2017	0.55	0.37 (J)	0.95 (J)	4.9	6.77 (J)	3.4	ND	0.114	0.114	ND
INF	5/3/2017	2.0	2.6	43.7	114	162.3	6.2	1.53	0.905	2.435	34.0
EFF	5/3/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	5/16/2017	1.6	2.2	31.6	107	142.4	6.3	1.09	0.813	1.903	34.3
EFF	5/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	6/1/2017	2.5	4.0	50.5	202	259.0	5.9	1.95	1.03	2.98	47.1
EFF	6/1/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	6/8/2017	2.7	6.0	76	440	524.7	5.1	3.34	1.84	5.18	72.5
EFF	6/8/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	7/11/2017	1.4	2.8	29.6	159	192.8	4.5	0.857	1.63	2.49	41.4
EFF	7/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	7/20/2017	1.4	2.8	31.3	167	202.5	4.2	1.23	1.47	2.70	58.5
EFF	7/20/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
INF	8/10/2017	1.8	3.2	30.6	129	164.6	4.8	1.06	0.991	2.051	33.8
EFF	8/10/2017	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND
INF	8/18/2017	0.7	1.4	11.9	47.3	61.3	3.4	0.39	0.64	1.02	23.5
EFF	8/18/2017	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND
INF	9/7/2017	2.5	4.6	42.6	238	287.7	ND	1.97	2.19	4.16	82.5
EFF	9/7/2017	ND	1.4	0.38 (J)	2.4	4.18 (J)	243.0	ND	ND	ND	ND
INF	9/18/2017	3.6	6.5	57.0	167	234.1	4.2	1.23	1.47	2.70	68.9
EFF	9/18/2017	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND
INF	10/3/2017	3.4	5.5	44.2	157	210.1	3.7	1.82	1.22	3.04	64.3
EFF	10/3/2017	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND
INF	10/17/2017	2.3	3.5	31.4	95.2	132.4	3.9	1.24	0.755	2.00	34.8
EFF	10/17/2017	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND
INF	11/2/2017	2.7	3.0	19.3	86.1	111.1	5.9	1.05	2.780	3.83	24.9
EFF	11/2/2017	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
INF	11/9/2017	1.4	1.5	10.3	47.1	60.3	4.4	0.643	1.20	1.84	13.4
EFF	11/9/2017	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND
INF	12/8/2017	2.9	3.3	42.1	75.2	123.5	5.4	1.18	1.04	2.22	33.8
EFF	12/8/2017	ND	ND	ND	0.22 (J)	0.22 (J)	2.3	ND	ND	ND	ND
INF	12/21/2017	3.4	3.3	33.0	54.4	94.1	5.7	0.871	4.72	5.59	29.0
EFF	12/21/2017	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND
INF	1/11/2018	1.1	0.98 (J)	9.3	17.2	28.6 (J)	5.2	0.315	1.72	2.035	17.5
EFF	1/11/2018	ND	ND	0.24 (J)	0.42 (J)	0.66 (J)	2.7	ND	0.0893	0.0893	ND
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/22/2018	2.5	2.2	22.3	32.2	59.2	5.2	0.358	1.48	1.838	15.2
EFF	1/22/2018	ND	ND	ND	ND	ND	2.2	ND	0.133	0.133	ND
INF	2/7/2018	2.0	2.1	18.7	33.1	55.9	5.8	0.656	1.22	1.876	14.3
EFF	2/7/2018	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
INF	2/14/2018	1.3	2.5	17.1	44.9	65.8	6.3	0.731	1.05	1.781	8.4
EFF	2/14/2018	ND	ND	0.33 (J)	0.99 (J)	1.32 (J)	3.3	ND	0.108	0.108	ND
INF	3/7/2018	2.1	7.8	49.3	137	196.2	6.3	0.970	2.49	3.460	22.9
EFF	3/7/2018	ND	ND	0.33 (J)	1.2	1.5 (J)	3.5	ND	ND	ND	ND
INF	3/14/2018	2.3	7.6	55.2	149	214.1	5.8	1.29	1.01	2.30	28.3
EFF	3/14/2018	0.29 (J)	0.58 (J)	0.63 (J)	15.4	16.9 (J)	3.6	0.196 (J)	0.173	0.369 (J)	ND
INF	4/3/2018	2.3	6.3	59.2	162	230	6.3	1.35	0.755	2.11	27.8
EFF	4/3/2018	0.19 (J)	ND	0.60 (J)	2.5	3.3 (J)	3.0	0.110 (J)	0.0990	0.209 (J)	ND
INF	4/11/2018	2.5	5.8	70.6	188	267	5.4	1.41	0.933	2.34	31.1
EFF	4/11/2018	0.53	1.1	5.5	31.4	38.5	3.1	0.301	0.304	0.605	2.5 (J)
INF	5/2/2018	1.7	4.9	51.1	190	248	4.9	1.84	0.889	2.73	40.8
EFF	5/2/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	5/9/2018	2.8	7.6	80.5	302	393	6.8	2.15	1.46	3.61	50.6
EFF	5/9/2018	ND	ND	ND	ND	ND	ND	ND	0.179	0.179	ND
INF	6/6/2018	2.1	7.3	48.2	241	299	4.8	1.54	0.907	2.45	35.2
EFF	6/6/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	6/13/2018	2.0	6.8	39.5	214	262	4.4	1.47	0.728	2.20	34.3
EFF	6/13/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	7/3/2018	2.4	9.2	47.9	256	316	4.5	1.81	0.913	2.72	43.2
EFF	7/3/2018	ND	ND	ND	0.29 (J)	0.29 (J)	0.39 (J)	ND	ND	ND	ND
INF	7/12/2018	3.0	9.5	50.9	271	334	5.2	1.82	0.728	2.55	55.6
EFF	7/12/2018	ND	ND	ND	ND	ND	0.41 (J)	ND	ND	ND	ND
INF	8/1/2018	3.0	6.6	36.2	181	227	4.6	1.58	ND	1.58	35.0
EFF	8/1/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	8/8/2018	3.9	9.0	52.8	234	300	5.6	1.81	0.851	2.66	47.2
EFF	8/8/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	9/4/2018	4.6	8.0	59.1	191	263	4.5	1.88	0.716	2.60	42.9
EFF	9/4/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	9/12/2018	4.0	5.8	43.0	181	234	4.5	1.61	0.315	1.93	34.7
EFF	9/12/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INF	10/3/2018	4.1	6.7	39.6	263	313	3.8	1.88	0.974	2.85	55.5
EFF	10/3/2018	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND	0.65 (J)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 0.98)
INF	10/10/2018	4.0	6.3	44.6	263	317.9	3.7	1.69	0.677	2.37	52.7
EFF	10/10/2018	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND	0.95 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	11/7/2018	3.9	6.2	45.4	210	265.5	3.2	1.23	0.614	1.84	36.5
EFF	11/7/2018	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND	0.65 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	11/14/2018	2.6	3.9	25.3	158	189.8	2.4	0.850	0.672	1.522	26.3
EFF	11/14/2018	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND	0.60 (J)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 0.98)
INF	12/4/2018	5.7	11.8	90.7	363	471.2	4.2	2.51	1.63	4.14	34.7
EFF	12/4/2018	ND (< 0.43)	ND (< 0.53)	1.3	5.0	6.3	0.73 (J)	ND (< 0.10)	ND (< 0.048)	ND (< 0.15)	ND (< 0.98)
INF	12/12/2018	5.7	12.3	101	437	556.0	4.8	2.05	1.12	3.17	76.9
EFF	12/12/2018	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND	1.1	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	1/3/2019	5.1	9.9	55.4	377	447	3.9	1.94	0.707	2.65	58.1
EFF	1/3/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.98 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/10/2019	4.8	12.3	119	439	575	3.5	2.25	1.32	3.57	76.9
EFF	1/10/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.94 (J)	ND (< 0.10)	ND (< 0.052)	ND (< 0.15)	ND (< 0.98)
INF	2/6/2019	4.1	9.9	96.2	374	484	3.3	2.19	0.871	3.06	75.0
EFF	2/6/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.80 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	2/15/2019	2.9	6.7	61.0	280	351	2.9	2.25	0.963	3.21	39.3
EFF	2/15/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	4.5	< 6.1	1.0	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	3/6/2019	1.9	2.5	9.5	230	244	2.9	1.56	0.992	2.55	9.8
EFF	3/6/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	1.7	< 3.3	1.0	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	3/13/2019	3.5	7.4	44.8	350	406	3.5	2.36	1.18	3.54	43.3
EFF	3/13/2019	ND (< 0.43)	ND (< 0.53)	0.93 (J)	8.3	< 10.2	1.1	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	4/3/2019	4.5	13.8	112	419	549	2.5	3.29	1.08	4.37	76.7
EFF	4/3/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	1.4	< 3.0	0.97 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	4/17/2019	4.9	13.9	118	532	669	3.0	3.13	0.972	4.10	67.4
EFF	4/17/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 0.98)
INF	5/1/2019	4.8	12.4	102	492	611	2.7	3.04	1.50	4.54	63.6
EFF	5/1/2019	ND (< 0.43)	0.80 (J)	ND (< 0.60)	ND (< 0.59)	< 2.42	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	5/8/2019	6.3	17.1	142	499	664	3.5	3.17	1.11	4.28	87.6
EFF	5/8/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	6/5/2019	4.4	11.2	91.9	455	563	3.3	2.60	1.06	3.66	69.3
EFF	6/5/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	0.63 (J)	< 2.19	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	6/12/2019	4.8	12.3	100	456	573	2.9	2.94	1.14	4.08	77.0
EFF	6/12/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	3.0	4.6	ND (< 0.51)	ND (< 0.042)	ND (< 0.050)	ND (< 0.092)	ND (< 0.98)
INF	7/10/2019	4.0	7.7	48.9	328	389	2.7	1.88	0.92	2.80	57.5
EFF	7/10/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	7/19/2019	3.2	6.1	49.0	270	328.3	2.3	1.81	0.77	2.58	50.3
EFF	7/19/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	8/5/2019	3.4	5.3	24.6	203	236.3	0.68 (J)	1.77	0.81	2.58	57.6
EFF	8/5/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.68 (J)	ND (< 0.042)	0.109	0.151	ND (< 0.98)
INF	8/13/2019	2.9	3.1	10.5	90.6	107.1	2.9	1.10	0.693	1.79	27.9
EFF	8/13/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.62 (J)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	9/4/2019	2.6	1.9	7.3	32.2	44.0	3.2	0.720	0.356	1.08	17.0
EFF	9/4/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	9/11/2019	3.1	2.2	26.6	35.9	67.8	2.9	0.895	0.435	1.330	11.7
EFF	9/11/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.74 (J)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	10/1/2019	4.1	4.3	10.6	71.9	90.9	2.6	1.25	0.625	1.875	29.4
EFF	10/1/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.84 (J)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	10/9/2019	3.6	2.9	19.1	57.0	82.6	2.6	1.24	0.386	1.626	23.2
EFF	10/9/2019	0.48 (J)	ND (< 0.53)	ND (< 0.60)	1.0	<2.61	0.85 (J)	ND (< 0.042)	ND (< 0.053)	ND (< 0.095)	ND (< 0.98)
INF	11/14/2019	2.7	3.6	37.0	104	147	3.4	1.47	0.628	2.098	45.1
EFF	11/14/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.59 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	11/19/2019	2.9	4.2	43.2	117	167	3.4	1.33	0.646	1.976	47.5
EFF	11/19/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	0.79 (J)	<2.35	0.78 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	12/4/2019	1.4	2.2	26.4	56.4	86.4	2.0	0.695	0.158	0.853	16.9
EFF	12/4/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.67 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	12/11/2019	1.7	2.6	31.5	62.4	98.2	2.0	0.778	0.334	1.112	19.4
EFF	12/11/2019	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.62 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/2/2020	2.5	4.4	59.3	108	174	3.0	1.44	0.548	1.99	24.7
EFF	1/2/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	0.87 (J)	< 2.43	0.54 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	1/8/2020	1.9	3.2	39.8	74.0	118.9	2.4	0.896	0.307	1.203	14.1
EFF	1/8/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	0.96 (J)	< 2.52	0.78 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	2/12/2020	0.67	ND (< 0.53)	ND (< 0.60)	12.1	< 13.9	2.7	0.384	0.213	0.597	ND (< 2.5)
EFF	2/12/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.96 (J)	0.103 (J)	ND (< 0.053)	< 0.156	ND (< 2.5)
INF	2/18/2020	0.96	1.1	0.81 (J)	37.9	40.8 (J)	2.6	0.631	0.348	0.979	6.7
EFF	2/18/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	3/4/2020	1.2	0.96 (J)	ND (< 0.60)	50.2	< 53.0	2.8	0.716	ND (0.053)	< 0.769	7.6
EFF	3/4/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.79 (J)	ND (< 0.10)	0.201	< 0.30	ND (< 2.5)
INF	3/11/2020	1.0	1.1	ND (< 0.60)	32.0	< 34.7	2.6	0.496	0.502	0.998	2.9 (J)
EFF	3/11/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.94 (J)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	4/1/2020	1.8	2.4	0.61 (J)	56.5	61.3 (J)	3.7	0.680	0.378	1.058	7.4
EFF	4/1/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.66 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	4/8/2020	2.0	2.8	0.81 (J)	48.0	53.6 (J)	3.7	0.801	0.571	1.372	10.3
EFF	4/8/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.63 (J)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	5/6/2020	1.5	1.4	3.2	39.0	45.1	2.8	0.754	0.380	1.134	8.0
EFF	5/6/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	5/13/2020	2.0	3.9	4.6	76.4	86.9	2.7	0.978	ND (< 0.053)	< 1.031	17.3
EFF	5/13/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF**	6/3/2020	2.6	9.3	98.1	98.9	208.9	2.2	ND (< 0.10)	0.732	< 0.83	34.2
EFF	6/3/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	6/10/2020	2.4	4.4	9.5	37.0	53.3	3.0	0.924	0.694	1.618	15.9
EFF	6/10/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	7/9/2020	1.1	0.76 (J)	0.91 (J)	16.4	19.2 (J)	1.8	0.458	0.182	0.640	3.1 (J)
EFF	7/9/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	7/15/2020	1.9	2.1	5.5	21.7	31.2	2.1	0.747	0.453	1.200	7.8
EFF	7/15/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	8/5/2020	1.0	2.0	18.2	84.1	105.3	1.9	0.644	0.505	1.149	19.7
EFF	8/5/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.052)	ND (< 0.15)	ND (< 2.5)
INF	8/12/2020	1.2	1.8	16.6	68.8	88.4	2.3	0.688	0.588	1.276	32.2
EFF	8/12/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	9/9/2020	1.3	1.6	2.3	71.3	76.5	2.0	0.618	0.311	0.929	9.3
EFF	9/9/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	9/16/2020	1.4	2.6	18.0	116	138	2.1	1.07	0.536	1.61	28.9
EFF	9/16/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	10/7/2020	2.2	3.6	41.8	116	164	2.1	1.49	0.640	2.13	38.6
EFF	10/7/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	10/14/2020	2.0	4.1	50.0	146	202	2.1	1.35	0.793	2.14	43.1
EFF	10/14/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	11/4/2020	1.3	1.8	15.8	103	122	2.1	0.964	0.580	1.544	23.4
EFF	11/4/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	11/11/2020	1.8	3.4	22.4	170	198	2.0	1.25	0.529	1.78	35.1
EFF	11/11/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	12/2/2020	1.1	1.4	12.3	92.3	107.1	2.3	0.838	0.613	1.45	18.8
EFF	12/2/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	12/10/2020	1.3	2.2	17.5	108	129	2.0	0.944	0.756	1.700	24.5
EFF	12/10/2020	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	1/21/2021	1.1	2.9	29.5	108	141.5	2.0	1.03	0.578	1.61	41.5
EFF	1/21/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	1/28/2021	1.2	3.0	32.8	114	151	2.1	0.983	0.562	1.545	35.8
EFF	1/28/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	2/3/2021	0.92	2.4	28.9	90.4	122.6	1.9	0.866	0.439	1.305	21.7
EFF	2/3/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	2/9/2021	1.9	4.1	55.4	144	205.4	2.5	1.30	0.398	1.70	33.0
EFF	2/9/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	3/3/2021	1.2	2.8	33.4	98	135.8	1.9	1.15	0.620	1.77	20.0
EFF	3/3/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.065)	0.308	ND (< 0.15)	ND (< 2.5)
INF	3/8/2021	1.6	3.8	34.5	143	182.9	2.1	1.37	0.550	1.92	28.5
EFF	3/8/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	3.0	< 4.56	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	4/1/2021	1.5	3.8	34.4	131	171	1.8	1.33	0.564	1.89	25.3
EFF	4/1/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	1.8	< 3.4	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	4/7/2021	1.5	4.4	15.4	184	205	1.9	1.46	0.629	2.09	26.4
EFF	4/7/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	9.7	< 11.3	ND (< 0.51)	0.122 (J)	ND (< 0.052)	< 0.174	ND (< 2.5)
INF	5/5/2021	1.8	6.2	36.8	127	172	2.3	1.33	0.746	2.08	29.6
EFF	5/5/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	5/12/2021	1.9	5.3	38.7	97.5	143.4	2.7	1.28	0.574	1.85	20.6
EFF	5/12/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	6/3/2021	1.5	3.2	29.4	114	148	2.0	1.06	0.709	1.77	23.0
EFF	6/3/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	6/10/2021	1.7	3.4	37.8	118	161	2.2	1.31	0.831	2.14	29.4
EFF	6/10/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.052)	ND (< 0.15)	ND (< 2.5)
INF	7/7/2021	1.5	3.2	28.4	128	161	2.0	0.560	0.549	1.109	34.1
EFF	7/7/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	2.2	3.8	ND (< 0.51)	ND (< 0.250)	ND (< 0.050)	ND (< 0.300)	ND (< 2.5)
INF	7/13/2021	1.1	2.1	16.2	93.4	112.8	1.8	0.720	0.575	1.295	20.4
EFF	7/13/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.250)	ND (< 0.053)	ND (< 0.303)	ND (< 2.5)
INF	8/11/2021	1.4	2.3	20.3	98.1	122.1	1.9	0.826	0.646	1.472	32.3
EFF	8/11/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	8/18/2021	0.99	1.4	15.3	53.0	70.7	1.4	0.550	0.304	0.854	19.2
EFF	8/18/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	0.86 (J)	< 2.42	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	9/1/2021	1.5	2.2	12.7	91.5	107.9	2.0	0.982	0.560	1.542	21.4
EFF	9/1/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	1.60	3.16	ND (< 0.51)	0.101 (J)	ND (< 0.053)	< 0.154	ND (< 2.5)
INF	9/8/2021	1.5	2.0	18.7	69.5	91.7	2.1	0.741	0.566	1.307	24.5
EFF	9/8/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	10/20/2021	2.2	3.4	41.5	87.8	134.9	2.2	1.18	0.642	1.82	36.2
EFF	10/20/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.053)	ND (< 0.15)	ND (< 2.5)
INF	10/27/2021	2.3	2.4	17.3	82.4	104.4	1.7	1.18	0.778	1.96	21.8
EFF	10/27/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.062)	ND (< 0.16)	ND (< 2.5)
INF	11/4/2021	1.9	2.4	30.7	68.9	103.9	2.4	1.120	0.693	1.813	31.5
EFF	11/4/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.055)	ND (< 0.16)	ND (< 2.5)
INF	11/9/2021	1.1	1.4	14.9	36.5	53.9	1.5	0.582	0.117	0.699	18.1
EFF	11/9/2021	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.66 (J)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	12/1/2021	2.8	3.3	42.5	67.2	115.8	2.9	1.72	2.72	4.44	36.9
EFF	12/1/2021	0.64	0.71 (J)	10	15.8	27 (J)	1.2	0.434	0.806	1.240	6.7
INF	12/8/2021	1.4	1.9	24.3	36.3	63.9	1.7	0.929	0.528	1.457	16.1
EFF	12/8/2021	ND (< 0.43)	ND (< 0.53)	5.5	8.8	< 15.3	0.95 (J)	0.299	0.206	0.505	ND (< 2.5)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/12/2022	1.2	0.83 (J)	8.0	7.6	17.6 (J)	1.7	0.776	0.427	1.203	6.8
EFF	1/12/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.040)	ND (< 0.14)	ND (< 2.5)
INF	1/19/2022	1.1	0.73 (J)	6.2	8.3	16.3 (J)	3.1	0.810	0.374	1.184	9.4
EFF	1/19/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	0.54 (J)	ND (< 0.10)	0.110	< 0.21	ND (< 2.5)
INF	2/2/2022	1.1	0.86 (J)	9.8	8.3	20.1 (J)	2.2	0.598	0.304	0.902	8.4
EFF	2/2/2022	ND (< 0.43)	ND (< 0.53)	1.1	1.3	< 3.4	0.83 (J)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	2/10/2022	1.5	0.97 (J)	12.2	8.8	23.5 (J)	3.0	0.945	0.607	1.552	11.5
EFF	2/10/2022	0.59	ND (< 0.53)	4.5	3.4	< 9.0	1.7	0.373	0.347	0.720	4.3 (J)
INF	3/2/2022	1.9	1.1	14.4	0.96 (J)	18.4 (J)	2.7	0.838	0.707	1.545	13.4
EFF	3/2/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	3/10/2022	1.6	1.1	15.4	10	28	2.6	0.700	0.372	1.072	10.2
EFF	3/10/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.10)	ND (< 0.050)	ND (< 0.15)	ND (< 2.5)
INF	4/6/2022	1.1	0.70 (J)	8.8	10	21 (J)	2.2	0.538	0.390	0.928	6.1
EFF	4/6/2022	ND (< 0.43)	ND (< 0.53)	1.2	1.4	< 3.56	0.85 (J)	ND (< 0.11)	0.302	< 0.41	ND (< 2.5)
INF	4/12/2022	1.2	0.96 (J)	16.8	18.0	40.0 (J)	2.4	0.558	0.323	0.881	8.7
EFF	4/12/2022	ND (< 0.43)	ND (< 0.53)	2.6	2.9	< 6.5	0.89 (J)	ND (< 0.11)	ND (< 0.050)	ND (< 0.16)	ND (< 2.5)
INF	5/5/2022	2.4	2.1	33.5	46.0	84.0	3.2	1.39	0.584	1.97	14.3
EFF	5/5/2022	0.84	0.80 (J)	10.9	16.8	29.3 (J)	1.7	0.512	0.220	0.732	4.2 (J)
INF	5/11/2022	1.7	2.4	33.6	65.5	103.2	3.1	1.19	0.501	1.69	14.3
EFF	5/11/2022	0.47 (J)	ND (< 0.53)	6.5	15.8	< 23.3	1.5	0.359	ND (< 0.050)	< 0.409	2.7
INF	6/7/2022	1.2	1.6	11.4	41.5	55.7	2.6	0.776	0.330	1.11	8.7
EFF	6/7/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.050)	ND (< 0.16)	ND (< 2.5)
INF	6/16/2022	1.1	1.1	6.8	25	34.4	2.5	0.467	0.240	0.707	5.2
EFF	6/16/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	7/6/2022	1.1	1.0	2.4	14.4	18.9	2.3	0.29	0.339	0.63	5.9
EFF	7/6/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	NA	ND (< 0.053)	ND (< 0.053)	ND (< 2.5)
INF	7/26/2022	1.7	1.4	9.4	8.2	20.7	2.7	0.501	0.325	0.826	7.1
EFF	7/26/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.050)	ND (< 0.16)	ND (< 2.5)
INF	8/3/2022	1.7	1.3	13.7	6.1	22.8	2.3	0.463	0.462	0.925	6.7
EFF	8/3/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.059)	ND (< 0.17)	ND (< 2.5)
INF	8/9/2022	1.4	ND (< 0.53)	1.7	3.8	< 7.4	2.1	0.331	0.443	0.774	4.0 (J)
EFF	8/9/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.057)	ND (< 0.17)	ND (< 2.5)
INF	9/7/2022	1.8	2.9	21.3	46.6	72.6	2.6	1.18	0.661	1.84	23.9
EFF	9/7/2022	ND (< 0.43)	ND (< 0.53)	ND (< 0.60)	ND (< 0.59)	ND (< 2.15)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	9/14/2022	1.1	1.6	10.0	28.0	40.7	2.4	0.671	0.408	1.079	9.8
EFF	9/14/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.050)	ND (< 0.16)	ND (< 2.5)
INF	10/6/2022	1.6	1.7	15.4	23.3	42.0	2.5	0.661	0.444	1.105	10.6
EFF	10/6/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	10/13/2022	0.79	0.93 (J)	6.2	10.7	18.6 (J)	2.2	0.403	0.325	0.728	3.6 (J)
EFF	10/13/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	11/9/2022	1.0	1.2	9.7	13.3	25.2	2.1	0.643	0.266	0.909	11.1
EFF	11/9/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.058)	ND (< 0.17)	ND (< 2.5)
INF	11/21/2022	1.1	1.3	9.8	13.3	25.5	2.3	0.561	0.504	1.065	8.6
EFF	11/21/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	12/15/2022	ND (< 0.43)	ND (< 0.49)	0.95 (J)	1.8	< 3.7	1.4	0.260	ND (< 0.053)	< 0.313	ND (< 2.5)
EFF	12/15/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.78 (J)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	12/20/2022	0.64	0.82 (J)	8.9	8.0	18.4 (J)	2.3	0.494	0.551	1.045	5.8
EFF	12/20/2022	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.86 (J)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	1/5/2023	1.1	1.8	25.0	24.8	52.7	3.4	0.545	0.684	1.229	9.4
EFF	1/5/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.6	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	1/19/2023	1.2	2.1	26.6	31.0	60.9	2.9	0.603	1.46	2.06	8.5
EFF	1/19/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.7	ND (< 0.11)	0.400	< 0.51	ND (< 2.5)
INF	2/7/2023	0.91	1.6	22.9	30.0	55.4	2.6	0.580	0.373	0.953	10.8
EFF	2/7/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.7	ND (< 0.11)	ND (< 0.064)	ND (< 0.17)	ND (< 2.5)
INF	2/14/2023	1.1	1.8	21.0	37.9	61.8	2.8	0.622	0.545	1.167	17.5
EFF	2/14/2023	ND (< 0.43)	ND (< 0.49)	0.90 (J)	2.5	< 4.3 (J)	2.8	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	3/15/2023	0.65	1.4	24.2	25.4	51.7	1.8	0.436	0.565	1.001	8.5
EFF	3/15/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.063)	ND (< 0.17)	ND (< 2.5)
INF	3/22/2023	1.5	3.1	53.9	60.3	118.8	2.9	0.896	0.395	1.291	25.2
EFF	3/22/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.051)	ND (< 0.16)	ND (< 2.5)
INF	4/6/2023	0.99	2.0	36.4	35.4	74.8	2.6	0.640	0.391	1.031	18.3
EFF	4/6/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.3	ND (< 0.11)	ND (< 0.052)	ND (< 0.16)	ND (< 2.5)
INF	4/12/2023	1.1	1.9	31.3	36.9	71.2	2.5	0.682	0.533	1.215	22.2
EFF	4/12/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	5/11/2023	1.0	1.7	23.7	25.7	52.1	2.6	0.489	0.591	1.080	6.8
EFF	5/11/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.91 (J)	ND (< 0.11)	ND (< 0.064)	ND (< 0.17)	ND (< 2.5)
INF	5/16/2023	1.1	1.8	16.5	27.9	47.3	2.6	0.601	0.446	1.047	ND (< 2.5)
EFF	5/16/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.97 (J)	ND (< 0.11)	0.168	< 0.278	ND (< 2.5)
INF	6/21/2023	ND (< 0.43)	ND (< 0.49)	0.91 (J)	1.1	< 2.9	ND (< 0.51)	ND (< 0.11)	0.120	< 0.23	ND (< 2.5)
EFF	6/21/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.76 (J)	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 2.5)
INF	6/28/2023	0.64	ND (< 0.49)	3.6	3.9	< 8.6	2.3	0.468	0.176	0.644	ND (< 4.4)
EFF	6/28/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.053)	ND (< 0.16)	ND (< 4.4)
INF	7/5/2023	0.69	0.72 (J)	6.7	7.2	15.3 (J)	2.5	0.529	0.367	0.896	6.3
EFF	7/5/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.3	ND (< 0.11)	ND (< 0.059)	ND (< 0.17)	ND (< 4.4)
INF	7/11/2023	0.72	0.85 (J)	9.4	9.0	20.0 (J)	2.5	0.422	0.474	0.896	8.1
EFF	7/11/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.4	ND (< 0.11)	0.611	< 0.72	ND (< 4.4)
INF	8/2/2023	0.80	1.1	11.3	12.6	25.8	2.2	0.459	0.371	0.830	10.3
EFF	8/2/2023	ND (< 0.43)	ND (< 0.49)	1.7	2.4	< 5.0	1.8	ND (< 0.11)	0.130	< 0.24	ND (< 4.4)
INF	8/22/2023	0.69	0.97 (J)	10.1	18.6	30.4 (J)	2.0	0.316	0.340	0.656	15.0
EFF	8/22/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.064)	ND (< 0.17)	ND (< 4.4)
INF	9/7/2023	0.45 (J)	0.71 (J)	8.2	13.3	22.7 (J)	1.8	0.393	0.249	0.642	9.8
EFF	9/7/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	9/13/2023	0.56	0.50 (J)	4.2	10.9	16.2 (J)	1.9	0.365	0.288	0.653	5.9
EFF	9/13/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	10/4/2023	1.0	1.6	17.0	27.4	47.0	2.5	0.756	0.379	1.135	18.2
EFF	10/4/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.5	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	10/19/2023	0.69	1.3	11.7	18.9	32.6	1.8	0.628	0.260	0.888	15.0
EFF	10/19/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	11/8/2023	0.69	1.0	12.6	14.6	28.9	2.1	0.514	0.383	0.897	15.7
EFF	11/8/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.3	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	11/14/2023	0.52	0.73 (J)	8.1	10.9	20.3 (J)	1.7	0.437	0.356	0.793	10.6
EFF	11/14/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.5	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	12/5/2023	0.90	0.88	9.1	11.0	21.9	2.3	0.546	0.318	0.864	9.4
EFF	12/5/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	12/20/2023	0.55	0.63 (J)	7.3	9.1	17.6 (J)	2.4	0.494	0.196	0.690	7.4
EFF	12/20/2023	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	1/2/2024	0.55	1.1	14.3	15.7	31.7	2.1	0.617	0.440	1.057	11.8
EFF	1/2/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	1/10/2024	0.46 (J)	0.75 (J)	8.1	13.4	22.7 (J)	1.9	0.514	0.275	0.789	6.2
EFF	1/10/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.0	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	2/8/2024	0.74	2.2	24.6	72.3	99.8	1.7	0.928	0.660	1.588	26.9
EFF	2/8/2024	ND (< 0.43)	0.73 (J)	4.0	26.5	31.7 (J)	1.9	0.363	0.309	0.672	5.4
INF	2/14/2024	0.72	1.2	12.8	58.1	72.8	2.0	0.860	0.467	1.327	11.6
EFF	2/14/2024	ND (< 0.43)	0.60 (J)	4.9	29.4	35.3 (J)	1.9	0.462	0.278	0.740	ND (< 4.4)
INF	3/7/2024	0.97	2.7	27.5	94.5	125.7	2.1	1.07	0.351	1.42	25.3
EFF	3/7/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	3/13/2024	1.2	3.4	34.5	114	153	1.8	1.36	0.415	1.78	24.1
EFF	3/13/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	4/4/2024	0.87	2.8	29.9	102	136	1.5	1.28	0.402	1.68	19.0
EFF	4/4/2024	ND (< 0.43)	0.83 (J)	4.0	26.4	< 31.7	1.1	0.342	0.206	0.548	ND (< 4.4)
INF	4/24/2024	1.3	5.7	64.1	199	270	2.1	1.98	1.20	3.18	38.7
EFF	4/24/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	5/2/2024	1.6	6.6	66.9	192	267	2.2	1.83	0.995	2.83	40.9
EFF	5/2/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.040)	ND (< 0.15)	ND (< 4.4)
INF	5/30/2024	1.3	6.5	80.1	152	240	1.6	1.93	0.948	2.88	38.2
EFF	5/30/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	0.193	< 0.30	ND (< 4.4)
INF	6/5/2024	1.4	7.3	96.7	160	265	1.9	2.00	0.841	2.84	48.5
EFF	6/5/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	6/12/2024	1.0	3.4	36.4	120	161	1.5	1.43	0.771	2.20	29.5
EFF	6/12/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	7/10/2024	1.1	3.4	28.9	98.9	132.3	2.0	1.46	0.604	2.06	ND (< 4.4)
EFF	7/10/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.81 (J)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	7/17/2024	1.3	4.6	41.8	118	166	1.8	1.82	0.839	2.66	36.0
EFF	7/17/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	8/21/2024	0.79	2.0	21.1	40.8	64.7	2.4	0.910	0.683	1.593	19.6
EFF	8/21/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	8/28/2024	0.70	2.2	27.2	47.3	77.4	2.1	0.914	0.490	1.404	33.3
EFF	8/28/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.037)	ND (< 0.15)	ND (< 4.4)
INF	9/4/2024	0.81	2.4	25.0	42.2	70.4	2.2	0.942	0.706	1.648	27.9
EFF	9/4/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.81 (J)	ND (< 0.11)	ND (< 0.040)	ND (< 0.15)	ND (< 4.4)
INF	9/11/2024	0.80	2.3	23.3	39.9	66.3	1.7	0.932	0.462	1.394	28.0
EFF	9/11/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.0	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	10/11/2024	0.71	1.4	14.0	19.4	35.5	2.0	0.679	0.426	1.105	13.1
EFF	10/11/2024	0.55	ND (< 0.49)	2.1	3.4	< 6.5	1.5	0.223	0.129	0.352	ND (< 4.4)
INF	10/17/2024	0.72	1.5	13.5	22.6	38.3	1.9	0.765	0.544	1.309	18.6
EFF	10/17/2024	0.76	ND (< 0.49)	ND (< 0.60)	3.2	< 5.1	1.2	0.182 (J)	0.276	0.458 (J)	ND (< 4.4)
INF	11/5/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.9	0.120 (J)	0.0877	0.208 (J)	ND (< 4.4)
EFF	11/5/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	11/12/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.2	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
EFF	11/12/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	12/5/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.2	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
EFF	12/5/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	12/10/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.2	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
EFF	12/10/2024	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	1/7/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.2	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
EFF	1/7/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	1/15/2025	ND (< 0.43)	ND (< 0.49)	2.3	2.0	< 5.2	1.3	0.473	0.332	0.805	ND (< 4.4)
EFF	1/15/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	2/5/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.1	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
EFF	2/5/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	2/11/2025	ND (< 0.43)	ND (< 0.49)	0.86 (J)	ND (< 0.59)	< 2.37	1.3	0.161 (J)	0.107	0.268 (J)	ND (< 4.4)
EFF	2/11/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.041)	ND (< 0.15)	ND (< 4.4)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

TABLE 5
GROUNDWATER TREATMENT SYSTEM SAMPLING RESULTS SUMMARY
Former Hess Station No. 20204
1613 East Joppa Road
Towson, MD
Case # 1991-2100-BA

Groundwater Treatment System Sample Identification	Groundwater Treatment System Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (Total) (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	Total TPH (mg/L)	Naphthalene (µg/L)
INF	3/5/2025	ND (< 0.43)	ND (< 0.49)	1.1	ND (< 0.59)	< 2.6	1.8	0.251	0.123	0.374	ND (< 4.4)
EFF	3/5/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.61 (J)	ND (< 0.11)	ND (< 0.041)	ND (< 0.15)	ND (< 4.4)
INF	3/12/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	1.9	0.175 (J)	0.112	0.287 (J)	ND (< 4.4)
EFF	3/12/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.78 (J)	ND (< 0.11)	ND (< 0.040)	ND (< 0.93)	ND (< 4.4)
INF	4/2/2025	ND (< 0.43)	ND (< 0.49)	0.64 (J)	ND (< 0.59)	< 2.15	1.6	0.173 (J)	0.119	0.292 (J)	ND (< 4.4)
EFF	4/2/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.75 (J)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	4/10/2025	0.72	0.61 (J)	7.6	3.6	12.5 (J)	2.7	0.679	0.396	1.075	5.2
EFF	4/10/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	0.90 (J)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
INF	5/7/2025	0.62	ND (< 0.49)	7.0	6.7	< 14.8 (J)	2.4	0.793	0.475	1.268	6.7
EFF	5/7/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	5/14/2025	ND (< 0.43)	ND (< 0.49)	3.2	3.5	< 7.6	1.9	0.352	0.286	0.638	ND (< 4.4)
EFF	5/14/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	6/4/2025	0.51	0.83 (J)	15.8	19.7	36.8 (J)	2.1	0.478	0.377	0.855	12.3
EFF	6/4/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.038)	ND (< 0.15)	ND (< 4.4)
INF	6/10/2025	0.45 (J)	0.89 (J)	12.0	25.1	38.4 (J)	2.0	0.539	0.669	1.23	10.7
EFF	6/10/2025	ND (< 0.43)	ND (< 0.49)	ND (< 0.60)	ND (< 0.59)	ND (< 2.11)	ND (< 0.51)	ND (< 0.11)	ND (< 0.039)	ND (< 0.15)	ND (< 4.4)
NPDES Permit Limits*		5	NL	NL	NL	100	NL	NL	NL	15	NL

*Effluent Limitations listed in NPDES Permit # MDG915958

** Due to an anomalous Ethylbenzene concentration, the system was resampled on 6/25/2020.

EFF = Effluent Sample (Post-filtration)

INF = Influent Sample (Pre-filtration)

ND = Constituent Compound Not Detected

NL = No limit listed in NPDES permit

NA = Not Analyzed

(J) = Laboratory-Estimated Value

µg/L = micrograms/Liter

mg/L = milligrams/Liter

MTBE = Methyl-Tertiary-Butyl Ether

Total BTEX = sum of Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

ND (< MDL) = Not Detected above Method Detection Limit

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.24 PO#6638J00.24

SGS Job Number: JE12818

Sampling Date: 06/04/25



Report to:

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Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 55



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE12818

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.24 PO#6638J00.24

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE12818-1	06/04/25	13:06 MS	06/05/25	AQ	Ground Water	MW-7
JE12818-2	06/04/25	11:35 MS	06/05/25	AQ	Ground Water	YMW-1
JE12818-3	06/04/25	11:40 MS	06/05/25	AQ	Ground Water	YMW-2
JE12818-4	06/04/25	12:00 MS	06/05/25	AQ	Ground Water	YMW-3
JE12818-5	06/04/25	12:30 MS	06/05/25	AQ	Ground Water	YMW-4
JE12818-6	06/04/25	12:25 MS	06/05/25	AQ	Ground Water	YMW-8
JE12818-7	06/04/25	13:30 MS	06/05/25	AQ	Ground Water	YP-1
JE12818-8	06/04/25	12:50 MS	06/05/25	AQ	Ground Water	YP-2
JE12818-9	06/04/25	11:15 MS	06/05/25	AQ	Ground Water	YP-5

Summary of Hits

Job Number: JE12818**Account:** Earth Systems, Inc.**Project:** HESS #20204, 1613 East Joppa Road, Towson, MD**Collected:** 06/04/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JE12818-1 MW-7

Benzene	0.81	0.50	0.43	ug/l	SW846 8260D
2-Butanone (MEK)	6.5 J	10	2.7	ug/l	SW846 8260D
n-Butylbenzene	1.3 J	2.0	0.52	ug/l	SW846 8260D
sec-Butylbenzene	1.3 J	2.0	0.62	ug/l	SW846 8260D
1,2-Dichloroethane	0.66 J	1.0	0.60	ug/l	SW846 8260D
Ethylbenzene	5.9	1.0	0.60	ug/l	SW846 8260D
Isopropylbenzene	5.2	1.0	0.65	ug/l	SW846 8260D
Methyl Tert Butyl Ether	7.1	1.0	0.51	ug/l	SW846 8260D
Naphthalene	6.1	5.0	4.4	ug/l	SW846 8260D
n-Propylbenzene	13.5	2.0	0.60	ug/l	SW846 8260D
Tert Butyl Alcohol	10.5	10	5.8	ug/l	SW846 8260D
Toluene	0.53 J	1.0	0.49	ug/l	SW846 8260D
1,2,4-Trimethylbenzene	1.5 J	2.0	1.0	ug/l	SW846 8260D
m,p-Xylene	2.3	1.0	0.78	ug/l	SW846 8260D
Xylene (total)	2.3	1.0	0.59	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.896	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)	0.457	0.073	0.035	mg/l	SW846 8015D

JE12818-2 YMW-1

Acetone	3.7 J	10	3.1	ug/l	SW846 8260D
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JE12818-3 YMW-2

Acetone	5.3 J	10	3.1	ug/l	SW846 8260D
1,2-Dichloroethane	2.5	1.0	0.60	ug/l	SW846 8260D
Methyl Tert Butyl Ether	11.1	1.0	0.51	ug/l	SW846 8260D
Tert Butyl Alcohol	12.4	10	5.8	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.118 J	0.20	0.11	mg/l	SW846 8015D

JE12818-4 YMW-3

No hits reported in this sample.

JE12818-5 YMW-4

sec-Butylbenzene	1.4 J	2.0	0.62	ug/l	SW846 8260D
Methyl Tert Butyl Ether	6.0	1.0	0.51	ug/l	SW846 8260D
Tert Butyl Alcohol	20.8	10	5.8	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.525	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)	0.340	0.074	0.036	mg/l	SW846 8015D

Summary of Hits

Job Number: JE12818
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 06/04/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE12818-6	YMW-8					
Benzene ^a		27.3	2.5	2.1	ug/l	SW846 8260D
n-Butylbenzene ^a		12.3	10	2.6	ug/l	SW846 8260D
sec-Butylbenzene ^a		7.5 J	10	3.1	ug/l	SW846 8260D
Ethylbenzene ^a		300	5.0	3.0	ug/l	SW846 8260D
Isopropylbenzene ^a		48.5	5.0	3.2	ug/l	SW846 8260D
p-Isopropyltoluene ^a		7.7 J	10	3.3	ug/l	SW846 8260D
Methyl Tert Butyl Ether ^a		13.1	5.0	2.5	ug/l	SW846 8260D
Naphthalene ^a		168	25	22	ug/l	SW846 8260D
n-Propylbenzene ^a		132	10	3.0	ug/l	SW846 8260D
Toluene ^a		13.3	5.0	2.5	ug/l	SW846 8260D
1,2,4-Trimethylbenzene ^a		712	10	5.0	ug/l	SW846 8260D
m,p-Xylene ^a		552	5.0	3.9	ug/l	SW846 8260D
o-Xylene ^a		14.2	5.0	3.0	ug/l	SW846 8260D
Xylene (total) ^a		566	5.0	3.0	ug/l	SW846 8260D
TPH-GRO (C6-C10)		8.39	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		3.77	0.078	0.037	mg/l	SW846 8015D
JE12818-7	YP-1					
n-Butylbenzene		7.4	2.0	0.52	ug/l	SW846 8260D
sec-Butylbenzene		4.9	2.0	0.62	ug/l	SW846 8260D
Ethylbenzene		68.3	1.0	0.60	ug/l	SW846 8260D
Isopropylbenzene		21.8	1.0	0.65	ug/l	SW846 8260D
p-Isopropyltoluene		1.4 J	2.0	0.66	ug/l	SW846 8260D
Naphthalene		37.8	5.0	4.4	ug/l	SW846 8260D
n-Propylbenzene		55.2	2.0	0.60	ug/l	SW846 8260D
Toluene		1.4	1.0	0.49	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		2.3	2.0	1.0	ug/l	SW846 8260D
1,3,5-Trimethylbenzene		12.2	2.0	1.0	ug/l	SW846 8260D
m,p-Xylene		15.1	1.0	0.78	ug/l	SW846 8260D
o-Xylene		3.1	1.0	0.59	ug/l	SW846 8260D
Xylene (total)		18.2	1.0	0.59	ug/l	SW846 8260D
TPH-GRO (C6-C10)		2.63	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.778	0.074	0.036	mg/l	SW846 8015D
JE12818-8	YP-2					
1,2-Dichloroethane		1.0	1.0	0.60	ug/l	SW846 8260D
Methyl Tert Butyl Ether		17.5	1.0	0.51	ug/l	SW846 8260D
Tert Butyl Alcohol		12.0	10	5.8	ug/l	SW846 8260D

Summary of Hits

Job Number: JE12818
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 06/04/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JE12818-9 YP-5

No hits reported in this sample.

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-7	
Lab Sample ID:	JE12818-1	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372675.D	1	06/10/25 22:03	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.81	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	6.5	10	2.7	ug/l	J
104-51-8	n-Butylbenzene	1.3	2.0	0.52	ug/l	J
135-98-8	sec-Butylbenzene	1.3	2.0	0.62	ug/l	J
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	0.66	1.0	0.60	ug/l	J
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-1	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	5.9	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	5.2	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.1	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	6.1	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	13.5	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	10.5	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	0.53	1.0	0.49	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.5	2.0	1.0	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	2.3	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	2.3	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-1	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-7		
Lab Sample ID:	JE12818-1	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11439.D	1	06/11/25 13:22	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.896	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	88%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7						
Lab Sample ID:	JE12818-1					Date Sampled:	06/04/25
Matrix:	AQ - Ground Water					Date Received:	06/05/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93665.D	1	06/12/25 12:24	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	54.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.457	0.073	0.035	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		70-130%
438-22-2	5a-Androstane	79%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-1	
Lab Sample ID:	JE12818-2	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372669.D	1	06/10/25 19:31	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.7	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-1	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-2	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-1	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-2	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YMW-1		
Lab Sample ID:	JE12818-2	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11440.D	1	06/11/25 13:46	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-1	
Lab Sample ID:	JE12818-2	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93666.D	1	06/12/25 12:47	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	54.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.074	0.035	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	103%		70-130%		
438-22-2	5a-Androstane	70%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-3	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372670.D	1	06/10/25 19:57	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.3	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	2.5	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-3	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.1	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	12.4	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-3	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	91%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-2	
Lab Sample ID:	JE12818-3	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11445.D	1	06/11/25 15:48	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.118	0.20	0.11	mg/l	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	83%		63-120%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YMW-2		
Lab Sample ID:	JE12818-3	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93667.D	1	06/12/25 13:09	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	53.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.075	0.036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		70-130%
438-22-2	5a-Androstane	70%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-3	
Lab Sample ID:	JE12818-4	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372671.D	1	06/10/25 20:22	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-3	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-4	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-3	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-4	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YMW-3		
Lab Sample ID:	JE12818-4	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11446.D	1	06/11/25 16:12	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	83%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-3		
Lab Sample ID:	JE12818-4	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93672.D	1	06/12/25 15:01	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	53.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.074	0.036	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		70-130%		
438-22-2	5a-Androstane	65% ^a		70-130%		

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-4	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-5	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372672.D	1	06/10/25 20:47	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	1.4	2.0	0.62	ug/l	J
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-4	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-5	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.0	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	20.8	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-4	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-5	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-4						
Lab Sample ID:	JE12818-5					Date Sampled:	06/04/25
Matrix:	AQ - Ground Water					Date Received:	06/05/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11447.D	1	06/11/25 16:36	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.525	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	86%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-4	
Lab Sample ID:	JE12818-5	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93673.D	1	06/12/25 15:24	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	53.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.340	0.074	0.036	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	104%		70-130%		
438-22-2	5a-Androstane	67% ^a		70-130%		

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-8	
Lab Sample ID:	JE12818-6	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	L372659.D	5	06/10/25 15:19	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	27.3	2.5	2.1	ug/l	
108-86-1	Bromobenzene	ND	5.0	2.7	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane ^b	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
104-51-8	n-Butylbenzene	12.3	10	2.6	ug/l	
135-98-8	sec-Butylbenzene	7.5	10	3.1	ug/l	J
98-06-6	tert-Butylbenzene	ND	10	3.4	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
95-49-8	o-Chlorotoluene	ND	10	3.2	ug/l	
106-43-4	p-Chlorotoluene	ND	10	3.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	3.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-8	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-6	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	4.5	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	2.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	300	5.0	3.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	2.7	ug/l	
98-82-8	Isopropylbenzene	48.5	5.0	3.2	ug/l	
99-87-6	p-Isopropyltoluene	7.7	10	3.3	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	13.1	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
74-95-3	Methylene bromide	ND	5.0	2.4	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
91-20-3	Naphthalene	168	25	22	ug/l	
103-65-1	n-Propylbenzene	132	10	3.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
75-65-0	Tert Butyl Alcohol	ND	50	29	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	10	4.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	10	2.8	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	3.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	13.3	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	ND	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	3.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	712	10	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.6	ug/l	
	m,p-Xylene	552	5.0	3.9	ug/l	
95-47-6	o-Xylene	14.2	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	566	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-8	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-6	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

- (a) Dilution required due to high concentration of target compound.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YMW-8		
Lab Sample ID:	JE12818-6	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11451.D	1	06/11/25 18:14	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	8.39	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	91%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YMW-8	
Lab Sample ID:	JE12818-6	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93674.D	1	06/12/25 15:46	CB	06/11/25 12:05	OP64293	G3Y3652
Run #2							

	Initial Volume	Final Volume
Run #1	51.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3.77	0.078	0.037	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		70-130%
438-22-2	5a-Androstane	77%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-1		
Lab Sample ID:	JE12818-7	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8260D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372660.D	1	06/10/25 15:44	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	7.4	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	4.9	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-1	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-7	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	68.3	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	21.8	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	1.4	2.0	0.66	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	37.8	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	55.2	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	1.4	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.3	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	12.2	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	15.1	1.0	0.78	ug/l	
95-47-6	o-Xylene	3.1	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	18.2	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-1	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-7	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-1						
Lab Sample ID:	JE12818-7					Date Sampled:	06/04/25
Matrix:	AQ - Ground Water					Date Received:	06/05/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11448.D	1	06/11/25 17:01	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.63	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-1	
Lab Sample ID:	JE12818-7	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93672.D	1	06/12/25 15:01	CB	06/11/25 12:05	OP64293	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	53.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.778	0.074	0.036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		70-130%
438-22-2	5a-Androstane	79%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-8	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372673.D	1	06/10/25 21:12	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	1.0	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-8	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	17.5	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	12.0	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-2	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-8	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YP-2		
Lab Sample ID:	JE12818-8	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11449.D	1	06/11/25 17:25	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	83%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-2						
Lab Sample ID:	JE12818-8					Date Sampled:	06/04/25
Matrix:	AQ - Ground Water					Date Received:	06/05/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93673.D	1	06/12/25 15:24	CB	06/11/25 12:05	OP64293	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	54.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.073	0.035	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	103%		70-130%		
438-22-2	5a-Androstane	83%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-5	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-9	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372674.D	1	06/10/25 21:38	ED	n/a	n/a	VL11432
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-5	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-9	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.60	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-5	Date Sampled:	06/04/25
Lab Sample ID:	JE12818-9	Date Received:	06/05/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	YP-5		
Lab Sample ID:	JE12818-9	Date Sampled:	06/04/25
Matrix:	AQ - Ground Water	Date Received:	06/05/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11450.D	1	06/11/25 17:50	JN	n/a	n/a	GKM484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	YP-5	
Lab Sample ID:	JE12818-9	Date Sampled: 06/04/25
Matrix:	AQ - Ground Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93674.D	1	06/12/25 15:46	CB	06/11/25 12:05	OP64293	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	54.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.073	0.035	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	101%		70-130%		
438-22-2	5a-Androstane	70%		70-130%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #	Bottle Order Control #
SGS Quote #	SGS Job #

EN-052725-23
 JE2818

[illegible]

Initial Assessment 2B 60
Lab Verification

2.4 M4C

JE12818: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE12818

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 6/5/2025 6:28:00 PM

Delivery Method: SGS COURIER

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Security

Y or N

Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature

Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IR-50</u> | |
| 3. Cooler media: <u>Ice (Bag)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JE12818: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.24 PO#6638J00.24

SGS Job Number: JE13567

Sampling Date: 06/18/25

Report to:

Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: **13**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE13567

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.24 PO#6638J00.24

Sample Number	Collected		Matrix		Client	
	Date	Time By	Received	Code Type	Sample ID	

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE13567-1	06/18/25	14:00 MS	06/19/25	AQ	Ground Water	MW-4
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Summary of Hits

Job Number: JE13567
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 06/18/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE13567-1	MW-4					
Isopropylbenzene		0.92 J	1.0	0.65	ug/l	SW846 8260D
n-Propylbenzene		0.69 J	2.0	0.60	ug/l	SW846 8260D
Tetrachloroethene		1.4	1.0	0.56	ug/l	SW846 8260D
m,p-Xylene		0.99 J	1.0	0.78	ug/l	SW846 8260D
Xylene (total)		0.99 J	1.0	0.59	ug/l	SW846 8260D
TPH-DRO (C10-C28)		0.216	0.076	0.036	mg/l	SW846 8015D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-4	
Lab Sample ID:	JE13567-1	Date Sampled: 06/18/25
Matrix:	AQ - Ground Water	Date Received: 06/19/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2S016408.D	1	06/20/25 17:44	CF	n/a	n/a	V2S423
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.55	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.52	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.62	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.69	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^b	ND	1.0	0.76	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.63	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.68	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene ^c	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	06/18/25
Lab Sample ID:	JE13567-1	Date Received:	06/19/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.89	ug/l	
594-20-7	2,2-Dichloropropane ^a	ND	1.0	0.52	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.42	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.54	ug/l	
98-82-8	Isopropylbenzene	0.92	1.0	0.65	ug/l	J
99-87-6	p-Isopropyltoluene	ND	2.0	0.66	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK) ^c	ND	5.0	4.9	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.48	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	
103-65-1	n-Propylbenzene	0.69	2.0	0.60	ug/l	J
100-42-5	Styrene	ND	1.0	0.49	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	5.8	ug/l	
994-05-8	tert-Amyl Methyl Ether ^a	ND	2.0	0.85	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	1.4	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	0.99	1.0	0.78	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	0.99	1.0	0.59	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	06/18/25
Lab Sample ID:	JE13567-1	Date Received:	06/19/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4		
Lab Sample ID:	JE13567-1	Date Sampled:	06/18/25
Matrix:	AQ - Ground Water	Date Received:	06/19/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11752.D	1	06/23/25 13:42	JN	n/a	n/a	GKM495
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	79%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4		
Lab Sample ID:	JE13567-1	Date Sampled:	06/18/25
Matrix:	AQ - Ground Water	Date Received:	06/19/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93943.D	1	06/23/25 17:27	CB	06/23/25 10:20	OP64660	G3Z3659
Run #2							

	Initial Volume	Final Volume
Run #1	52.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.216	0.076	0.036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	110%		70-130%
438-22-2	5a-Androstane	97%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #

Bottle Order Control								
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A11-061725-2

[illegible]

565 Corner Pl

JE13567: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE13567

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 6/19/2025 7:03:00 PM

Delivery Method: SGS

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE13567: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22 PO#6638J00.22

SGS Job Number: JE8704

Sampling Date: 04/02/25



Report to:

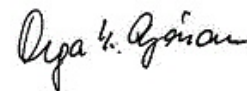
Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE8704

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22 PO#6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE8704-1	04/02/25	10:30	KF	04/03/25	AQ	Influent	INF
JE8704-2	04/02/25	10:15	KF	04/03/25	AQ	Water	MID
JE8704-3	04/02/25	10:00	KF	04/03/25	AQ	Effluent	EFF

Summary of Hits

Job Number: JE8704
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 04/02/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
JE8704-1		INF				
Ethylbenzene		0.64 J	1.0	0.60	ug/l	SW846 8260D
Methyl Tert Butyl Ether		1.6	1.0	0.51	ug/l	SW846 8260D
TPH-GRO (C6-C10)		0.173 J	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.119	0.079	0.038	mg/l	SW846 8015D
JE8704-2		MID				
Methyl Tert Butyl Ether		0.96 J	1.0	0.51	ug/l	SW846 8260D
JE8704-3		EFF				
Methyl Tert Butyl Ether		0.75 J	1.0	0.51	ug/l	SW846 8260D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	INF	Date Sampled:	04/02/25
Lab Sample ID:	JE8704-1	Date Received:	04/03/25
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2X213869.D	1	04/07/25 13:08	ED	n/a	n/a	V2X9039
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	0.64	1.0	0.60	ug/l	J
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.6	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID:	INF						
Lab Sample ID:	JE8704-1					Date Sampled:	04/02/25
Matrix:	AQ - Influent					Date Received:	04/03/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10227.D	1	04/04/25 12:56	JN	n/a	n/a	GKM440
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.173	0.20	0.11	mg/l	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	77%		63-120%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE8704-1					Date Sampled:	04/02/25
Matrix:	AQ - Influent					Date Received:	04/03/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y92660.D	1	04/08/25 21:58	CB	04/08/25 09:00	OP62626	G3Y3615
Run #2							

	Initial Volume	Final Volume
Run #1	50.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.119	0.079	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	98%		70-130%		
438-22-2	5a-Androstane	90%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE8704-2					Date Sampled:	04/02/25
Matrix:	AQ - Water					Date Received:	04/03/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2X213871.D	1	04/07/25 13:41	ED	n/a	n/a	V2X9039
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.96	1.0	0.51	ug/l	J
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID	
Lab Sample ID:	JE8704-2	Date Sampled: 04/02/25
Matrix:	AQ - Water	Date Received: 04/03/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10228.D	1	04/04/25 13:20	JN	n/a	n/a	GKM440
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	81%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID		
Lab Sample ID:	JE8704-2	Date Sampled:	04/02/25
Matrix:	AQ - Water	Date Received:	04/03/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y92661.D	1	04/08/25 22:16	CB	04/08/25 09:00	OP62626	G3Y3615
Run #2							

	Initial Volume	Final Volume
Run #1	49.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.080	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		70-130%
438-22-2	5a-Androstane	90%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE8704-3					Date Sampled:	04/02/25
Matrix:	AQ - Effluent					Date Received:	04/03/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2X213895.D	1	04/07/25 20:18	ED	n/a	n/a	V2X9039
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.75	1.0	0.51	ug/l	J
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE8704-3					Date Sampled:	04/02/25
Matrix:	AQ - Effluent					Date Received:	04/03/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10236.D	1	04/04/25 16:35	JN	n/a	n/a	GKM440
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	77%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE8704-3					Date Sampled:	04/02/25
Matrix:	AQ - Effluent					Date Received:	04/03/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y92662.D	1	04/08/25 22:35	CB	04/08/25 09:00	OP62626	G3Y3615
Run #2							

	Initial Volume	Final Volume
Run #1	49.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.081	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		70-130%		
438-22-2	5a-Androstane	91%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #	Boeing Order Control # FN-031225-156
SGS Quote #	SGS Job # JE8704

4.4.1

Page 1 of 2



SGS Sample Receipt Summary

Job Number: JE8704

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 4/3/2025 6:25:00 PM

Delivery Method: SGS COURIER

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.9);

Cooler Temps (Corrected) °C: Cooler 1: (2.3);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JE8704: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22; PO#6638J00.22

SGS Job Number: JE9271

Sampling Date: 04/10/25



Report to:

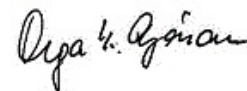
Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE9271

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22; PO#6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE9271-1	04/10/25	10:30	KF	04/11/25	AQ	Influent	INF
JE9271-2	04/10/25	10:15	KF	04/11/25	AQ	Water	MID
JE9271-3	04/10/25	10:00	KF	04/11/25	AQ	Effluent	EFF

Summary of Hits

Page 1 of 1

Job Number: JE9271

Account: Earth Systems, Inc.

Project: HESS #20204, 1613 East Joppa Road, Towson, MD

Collected: 04/10/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE9271-1	INF					
Benzene		0.72	0.50	0.43	ug/l	SW846 8260D
Toluene		0.61 J	1.0	0.49	ug/l	SW846 8260D
Ethylbenzene		7.6	1.0	0.60	ug/l	SW846 8260D
Xylene (total)		3.6	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether		2.7	1.0	0.51	ug/l	SW846 8260D
Naphthalene		5.2	5.0	4.4	ug/l	SW846 8260D
TPH-GRO (C6-C10)		0.679	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.396	0.082	0.039	mg/l	SW846 8015D
JE9271-2	MID					
Ethylbenzene		2.6	1.0	0.60	ug/l	SW846 8260D
Xylene (total)		1.3	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether		2.0	1.0	0.51	ug/l	SW846 8260D
TPH-GRO (C6-C10)		0.234	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.196	0.079	0.038	mg/l	SW846 8015D
JE9271-3	EFF					
Methyl Tert Butyl Ether		0.90 J	1.0	0.51	ug/l	SW846 8260D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	INF	Date Sampled:	04/10/25
Lab Sample ID:	JE9271-1	Date Received:	04/11/25
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E192262.D	1	04/14/25 18:49	ED	n/a	n/a	V2E9027
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.72	0.50	0.43	ug/l	
108-88-3	Toluene	0.61	1.0	0.49	ug/l	J
100-41-4	Ethylbenzene	7.6	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	3.6	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.7	1.0	0.51	ug/l	
91-20-3	Naphthalene	5.2	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID:	INF						
Lab Sample ID:	JE9271-1					Date Sampled:	04/10/25
Matrix:	AQ - Influent					Date Received:	04/11/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10367.D	1	04/16/25 13:04	JN	n/a	n/a	GKM446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.679	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	85%		63-120%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE9271-1					Date Sampled:	04/10/25
Matrix:	AQ - Influent					Date Received:	04/11/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z92725.D	1	04/15/25 16:41	CB	04/15/25 11:00	OP62784	G3Z3616
Run #2							

	Initial Volume	Final Volume
Run #1	48.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.396	0.082	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	107%		70-130%		
438-22-2	5a-Androstane	95%		70-130%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID	Date Sampled:	04/10/25
Lab Sample ID:	JE9271-2	Date Received:	04/11/25
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E192263.D	1	04/14/25 19:02	ED	n/a	n/a	V1E9027
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	2.6	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	1.3	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.0	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE9271-2					Date Sampled:	04/10/25
Matrix:	AQ - Water					Date Received:	04/11/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10368.D	1	04/16/25 13:28	JN	n/a	n/a	GKM446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.234	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	83%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID		
Lab Sample ID:	JE9271-2	Date Sampled:	04/10/25
Matrix:	AQ - Water	Date Received:	04/11/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z92726.D	1	04/15/25 16:59	CB	04/15/25 11:00	OP62784	G3Z3616
Run #2							

	Initial Volume	Final Volume
Run #1	50.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.196	0.079	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		70-130%
438-22-2	5a-Androstane	92%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE9271-3					Date Sampled:	04/10/25
Matrix:	AQ - Effluent					Date Received:	04/11/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E192261.D	1	04/14/25 18:35	ED	n/a	n/a	V1E9027
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.90	1.0	0.51	ug/l	J
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	EFF	
Lab Sample ID:	JE9271-3	Date Sampled: 04/10/25
Matrix:	AQ - Effluent	Date Received: 04/11/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10366.D	1	04/16/25 12:40	JN	n/a	n/a	GKM446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	80%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE9271-3					Date Sampled:	04/10/25
Matrix:	AQ - Effluent					Date Received:	04/11/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z92727.D	1	04/15/25 17:18	CB	04/15/25 11:00	OP62784	G3Z3616
Run #2							

	Initial Volume	Final Volume
Run #1	49.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.081	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	210% ^a		70-130%		
438-22-2	5a-Androstane	192% ^a		70-130%		

(a) Outside of in house control limits.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page of

FED-EX Tracking #		Sample Order Control #	
SGS Quote #		SGS Job #	
1		EN-031225-156 JE9271	

Requested Analysis										Matrix Codes	
BTEX, MTBE, and Naphthalene by 8260	TPH-GRO by 8015	TPH-DRO by 8015								DW - Drinking Water	
										GW - Ground Water	
										WW - Water	
										SW - Surface Water	
										SO - Soil	
										SL - Sludge	
										SED - Sediment	
										OI - Oil	
										LIQ - Other Liquid	
										AIR - Air	
										WIP - Wipe	
										FB - Field Blank	
										EB - Equipment Blank	
										RB - Rinse Blank	
										TB - Trip Blank	

Client / Reporting Information				Project Information			
Company Name: Earth Systems, Inc.				Project Name: Former Hess - 20204			
Street Address: 3590 Route 378				Street: 1613 E. Joppa Rd.			
City: Bethlehem, PA				City: Towson MD			
State: PA				State: MD			
Zip: 18015				Zip: 21204			
Project Contact: Jeremy Fox				Project #: 6638J00.22			
E-mail: jfox@earthsys.net				Client Purchase Order #: 6638J00.22			
Phone #: 610-509-5153				City: Towson			
Sampler(s) Name(s): Kyle Froehlich				State: MD			
Phone #: 610-218-1632				Zip: 21204			
Project Manager: Attention:				Billing Information (if different from Report to):			
Collection				Number of preserved bottles			
Field ID / Point of Collection	MECH/DI Vial #	Date	Time	Sampled by	One (1) Comp (C)	Matrix	# of bottles
1 INF		4/10/25	10:30	KF		WW	7
2 MID		4/10/25	10:15	KF		WW	7
3 EFF		4/10/25	10:00	KF		WW	7

Turn Around Time (Business Days)		Data Deliverable Information		Comments / Special Instructions	
☐ 10 Business Days ☐ 5 Business Days ☐ 3 Business Days ☐ 2 Business Days ☐ 1 Business Day ☒ Other 14 Day Hess Standard All data available via Lablink		☒ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ NJ Reduced (Level 3) ☐ Full Tier I (Level 4) ☐ Commercial "C" ☐ NJ DKQP Commercial "A" = Results only Commercial "B" = Results + QC Summary + Partial RMR Commercial "C" = Results + QC Summary + Partial RMR + RMR		☐ NYASP Category A ☐ NYASP Category B ☐ MA MCP Criteria ☐ CT RCP Criteria ☐ State Forms ☐ EDO Format Initial Assessment Label Verification 2B NP 24	

Sample Custody must be documented below each time samples change possession, including courier delivery.			
Relinquished by: 1 <i>[Signature]</i>	Date / Time: 4/10/25 18:00	Received By: 1 <i>[Signature]</i>	Date / Time: 4/10/25 17:43
Relinquished by: 2 <i>[Signature]</i>	Date / Time: 4/11/25 18:51	Received By: 2 <i>[Signature]</i>	Date / Time: 4/11/25 17:43
Relinquished by: 3 <i>[Signature]</i>	Date / Time:	Received By: 3 <i>[Signature]</i>	Date / Time:
Relinquished by:	Date / Time:	Received By:	Date / Time:
Custody Seal #		☐ Intact ☐ Not Intact ☐ Absent	
Preserved where applicable		On Ice	
Therm ID:		Cooler Temp. °C	
		24	

JE9271: Chain of Custody

Page 1 of 2

SGS

SGS Sample Receipt Summary

Job Number: JE9271

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 4/11/2025 6:51:00 PM

Delivery Method: SGS COURIER

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JE9271: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22

SGS Job Number: JE10951

Sampling Date: 05/07/25

Report to:

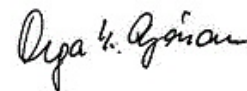
Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: **18**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE10951

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE10951-1	05/07/25	09:30	KF	05/08/25	AQ	Influent	IN
JE10951-2	05/07/25	09:15	KF	05/08/25	AQ	Ground Water	MID
JE10951-3	05/07/25	09:00	KF	05/08/25	AQ	Effluent	EFF
JE10951-4	05/07/25	10:00	KF	05/08/25	SO	Soil	CARBO DRUM WASTE CLASS

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JE10951
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 05/07/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JE10951-1 IN

Benzene	0.62	0.50	0.43	ug/l	SW846 8260D
Ethylbenzene	7.0	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	6.7	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether	2.4	1.0	0.51	ug/l	SW846 8260D
Naphthalene	6.7	5.0	4.4	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.793	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)	0.475	0.079	0.038	mg/l	SW846 8015D

JE10951-2 MID

No hits reported in this sample.

JE10951-3 EFF

No hits reported in this sample.

JE10951-4 CARBO DRUM WASTE CLASS

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	IN						
Lab Sample ID:	JE10951-1					Date Sampled:	05/07/25
Matrix:	AQ - Influent					Date Received:	05/08/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U76126.D	1	05/09/25 18:05	CF	n/a	n/a	V2U2708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.62	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	7.0	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	6.7	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.4	1.0	0.51	ug/l	
91-20-3	Naphthalene	6.7	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	106%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN						
Lab Sample ID:	JE10951-1					Date Sampled:	05/07/25
Matrix:	AQ - Influent					Date Received:	05/08/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10757.D	1	05/12/25 13:31	JN	n/a	n/a	GKM458
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.793	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	IN		
Lab Sample ID:	JE10951-1	Date Sampled:	05/07/25
Matrix:	AQ - Influent	Date Received:	05/08/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93108.D	1	05/14/25 17:28	CB	05/13/25 09:00	OP63514	G3Z3633
Run #2							

	Initial Volume	Final Volume
Run #1	50.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.475	0.079	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	117%		70-130%
438-22-2	5a-Androstane	97%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE10951-2					Date Sampled:	05/07/25
Matrix:	AQ - Ground Water					Date Received:	05/08/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U76127.D	1	05/09/25 18:20	CF	n/a	n/a	V1U2708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	116%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	121% ^a		82-114%

(a) High surrogate recovery and no associated positive reported in this sample.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID		
Lab Sample ID:	JE10951-2	Date Sampled:	05/07/25
Matrix:	AQ - Ground Water	Date Received:	05/08/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10758.D	1	05/12/25 13:56	JN	n/a	n/a	GKM458
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	82%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID		
Lab Sample ID:	JE10951-2	Date Sampled:	05/07/25
Matrix:	AQ - Ground Water	Date Received:	05/08/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93109.D	1	05/14/25 17:47	CB	05/13/25 09:00	OP63514	G3Z3633
Run #2							

	Initial Volume	Final Volume
Run #1	50.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.079	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%		70-130%
438-22-2	5a-Androstane	103%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF	Date Sampled:	05/07/25
Lab Sample ID:	JE10951-3	Date Received:	05/08/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U76125.D	1	05/09/25 17:51	CF	n/a	n/a	V1U2708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	108%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	EFF	
Lab Sample ID:	JE10951-3	Date Sampled: 05/07/25
Matrix:	AQ - Effluent	Date Received: 05/08/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10766.D	1	05/12/25 17:14	JN	n/a	n/a	GKM458
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	79%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE10951-3					Date Sampled:	05/07/25
Matrix:	AQ - Effluent					Date Received:	05/08/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93109.D	1	05/14/25 17:47	CB	05/13/25 09:00	OP63514	G3Y3635
Run #2							

	Initial Volume	Final Volume
Run #1	50.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.079	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	105%		70-130%		
438-22-2	5a-Androstane	97%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

Client Sample ID:	CARBO DRUM WASTE CLASS			Date Sampled:	05/07/25
Lab Sample ID:	JE10951-4			Date Received:	05/08/25
Matrix:	SO - Soil			Percent Solids:	n/a
Method:	SW846 8260D SW846 1311				
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T19511.D	5	05/13/25 03:03	CF	05/10/25 10:27	GP60982	V1T484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits				
1868-53-7	Dibromofluoromethane	106%		76-120%				
17060-07-0	1,2-Dichloroethane-D4	116%		64-135%				
2037-26-5	Toluene-D8	99%		76-117%				
460-00-4	4-Bromofluorobenzene	100%		72-122%				

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



GW

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 136, Dayton, NJ 08810
TEL: 732-328-0200
www.sgs.com/ehsusa

JE10951

Page 1 of 1

Client / Reporting Information				Project Information				FED-EX Tracking #				Bottle Label Control #							
Company Name: Earth Systems LLC				Project Name: Former Hess - 20204				SGS Quote #				SGS Job #							
Street Address: 3540 Prate 378				Street: 1613 East Jorma				Analysis Requested				Matrix Codes							
City: Bethlehem, Pa 18015				City: Towson MD				Bottle Label Control #				DW - Drinking Water							
Project Contact: Jeremy Fox jfox@earthsys.net				Project # 6638 500.22				Bottle Label Control #				GW - Ground Water							
Phone # 610-509-5153				Client Purchase Order #				Bottle Label Control #				SW - Surface Water							
Sample(s) Name(s): Kyle Froehlich				Project Manager: 610-216-1632				Bottle Label Control #				SO - Soil							
Phone # 610-216-1632				Attention:				Bottle Label Control #				SL - Sludge							
Turn Around Time (Business Days)				Collection				Number of Bottles				pH Check (Lab Use Only)							
SGS Sample #	Field ID / Point of Collection	MED/WBI Val #	Date	Time	Sampled by	Crab (G) Comp (G)	Source Characterized (Y/N)	Matrix	# of bottles	AD	NO3	HCO3	H2SO4	NH4	DI Water	MECH	ENCORE	LAB USE ONLY	
1	IN		5/7	930	KF			GW	7	7								X X X	
2	Mid		5/7	915	KF			GW	7	7								X X X	
3	EFF		5/7	900	KF			GW	7	7								X X X	
4	Carbo drum waste class		5/7	1000	KF			SLID	1				1					X	
Initial Assessment <u>MB3A</u>																			
Label Verification																			
http://www.sgs.com/en/terms-and-conditions																			
Sample Custody must be documented below each time samples change possession, including courier delivery.																			
Retransmitted By: 1	Date / Time: 5/8 900	Received By: 1	Date / Time: 5/8 1630	Retransmitted By: 2	Date / Time: 5/8 1630	Received By: 2	Date / Time: 5/8 1630	Retransmitted By: 3	Date / Time: 5/8 1630	Received By: 3	Date / Time: 5/8 1630	Retransmitted By: 4	Date / Time: 5/8 1630	Received By: 4	Date / Time: 5/8 1630	Retransmitted By: 5	Date / Time: 5/8 1630	Received By: 5	Date / Time: 5/8 1630
Therm ID: See Sample Received Summary																			

EHSA-QAC-0023-06 Rev.Date:9/24/2024

JE10951: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: JE10951

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 5/8/2025 6:55:00 PM

Delivery Method: _____

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.4);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JE10951: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22 PO#6638J00.22

SGS Job Number: JE11562

Sampling Date: 05/14/25

Report to:

Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE11562

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22 PO#6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE11562-1	05/14/25	11:00	KF	05/15/25	AQ	Influent	INF
JE11562-2	05/14/25	10:45	KF	05/15/25	AQ	Water	MID
JE11562-3	05/14/25	10:30	KF	05/15/25	AQ	Effluent	EFF

Summary of Hits

Job Number: JE11562
Account: Earth Systems, Inc.
Project: HESS #20204, 1613 East Joppa Road, Towson, MD
Collected: 05/14/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE11562-1	INF					
Ethylbenzene		3.2	1.0	0.60	ug/l	SW846 8260D
Xylene (total)		3.5	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether		1.9	1.0	0.51	ug/l	SW846 8260D
TPH-GRO (C6-C10)		0.352	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.286	0.080	0.038	mg/l	SW846 8015D

JE11562-2 MID

No hits reported in this sample.

JE11562-3 EFF

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE11562-1					Date Sampled:	05/14/25
Matrix:	AQ - Influent					Date Received:	05/15/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K21348.D	1	05/20/25 21:11	ED	n/a	n/a	V1K591
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	3.2	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	3.5	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.9	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	INF	
Lab Sample ID:	JE11562-1	Date Sampled: 05/14/25
Matrix:	AQ - Influent	Date Received: 05/15/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10907.D	1	05/19/25 18:13	JN	n/a	n/a	GKM463
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.352	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	85%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

3.1

Client Sample ID:	INF		
Lab Sample ID:	JE11562-1	Date Sampled:	05/14/25
Matrix:	AQ - Influent	Date Received:	05/15/25
Method:	SW846 8015D SW846 3511	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93263.D	1	05/22/25 11:14	CB	05/21/25 16:30	OP63713	G3Z3639
Run #2							

	Initial Volume	Final Volume
Run #1	50.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.286	0.080	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	113%		70-130%
438-22-2	5a-Androstane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE11562-2					Date Sampled:	05/14/25
Matrix:	AQ - Water					Date Received:	05/15/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K21342.D	1	05/20/25 18:42	ED	n/a	n/a	V1K591
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID		
Lab Sample ID:	JE11562-2	Date Sampled:	05/14/25
Matrix:	AQ - Water	Date Received:	05/15/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10908.D	1	05/19/25 18:37	JN	n/a	n/a	GKM463
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	85%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE11562-2					Date Sampled:	05/14/25
Matrix:	AQ - Water					Date Received:	05/15/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z93264.D	1	05/22/25 11:33	CB	05/21/25 16:30	OP63713	G3Z3639
Run #2							

	Initial Volume	Final Volume
Run #1	49.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.081	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	127%		70-130%
438-22-2	5a-Androstane	119%		70-130%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE11562-3					Date Sampled:	05/14/25
Matrix:	AQ - Effluent					Date Received:	05/15/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K21330.D	1	05/20/25 13:44	ED	n/a	n/a	V1K591
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE11562-3					Date Sampled:	05/14/25
Matrix:	AQ - Effluent					Date Received:	05/15/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM10905.D	1	05/19/25 17:24	JN	n/a	n/a	GKM463
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE11562-3					Date Sampled:	05/14/25
Matrix:	AQ - Effluent					Date Received:	05/15/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93265.D	1	05/22/25 11:51	CB	05/21/25 16:30	OP63713	G3Y3641
Run #2							

	Initial Volume	Final Volume
Run #1	50.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.080	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	115%		70-130%		
438-22-2	5a-Androstane	109%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08610
TEL: 732-329-0200 FAX: 732-329-3480/3480
www.sgs.com/nasusa

JE11562

Page 1 of 2

FED-EX Tracking #		Building / Control #	
SGS Quote #		SGS Job #	
Requested Analysis		Matrix Codes	
BTEX, MTBE, and Naphthalene by 8260		DW - Drinking Water GW - Ground Water WW - Wastewater SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
TPH-GRO by 8015		LAB USE ONLY	
TPH-DRO by 8015		19FY V517	

Client / Reporting Information		Project Information																	
Company Name: Earth Systems, Inc.		Project Name: Former Hess - 20204																	
Street Address: 3590 Route 378		Street: 1613 E. Joppa Rd.																	
City: Bethlehem, PA		City: Towson, MD																	
State: PA		State: MD																	
Zip: 18015		Zip: 21204																	
Project Contact: Jeremy Fox		Project # 6638J00.22																	
E-mail: jfox@earthsys.net		Client Purchase Order # 6638J00.22																	
Phone # 610-509-5153		City: State: Zip:																	
Sample(s) Name(s): Kyle Froehlich		Attention:																	
Phone # 610-216-1832		Project Manager:																	
Collection		Number of preserved Bottles																	
SGS Sample #	Field ID / Point of Collection	MECHDR Val #	Date	Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	D1 Water	MEOH	EMCORE	BTEX	TPH-GRO by 8015	TPH-DRO by 8015
1	INF		5/14/25	11:00	KF		WW	7	7								X	X	X
2	MID		5/14/25	10:45	KF		WW	7	7								X	X	X
3	EFF		5/14/25	10:30	KF		WW	7	7								X	X	X

Turn Around Time (Business Days)		Date Deliverable Information		Comments / Special Instructions	
Approved By (SGS PA)		Commercial "A" (Level 1)		NYASP Category A	
10 Business Days		Commercial "B" (Level 2)		NYASP Category B	
5 Business Days		NJ Reduced (Level 3)		MA MCP Criteria	
3 Business Days		Full Tier I (Level 4)		CT RCP Criteria	
2 Business Days		Commercial "C"		State Forms	
1 Business Day		NJ DKQP		EDD Format	
☒ Other 14 Day Hess Standard		Commercial "A" = Results only; Commercial "B" = Results + QC Summary		http://www.sgs.com/en/terms-and-conditions	
All data available via Lablink		Commercial "C" = Results + QC Summary + Partial Raw data			

Relinquished By: 1		Date / Time: 5/15 8:00		Received By: 1		Date / Time: 5/15/25 18:33		Received By: 1	
Relinquished By: 3		Date / Time: 5-15-25 18:33		Received By: 3		Date / Time: 5/15/25 18:33		Received By: 3	
Relinquished By: 5		Date / Time: 5/15/25 18:33		Received By: 5		Date / Time: 5/15/25 18:33		Received By: 5	

Custody Seal #		Intact		Preserved where applicable		Therm. ID:		On Ice		Cooler Temp. °C	
		☐		☐				☐		19 11:40	

SGS Courier PIC

JE11562: Chain of Custody

Page 1 of 2

SGS

SGS Sample Receipt Summary

Job Number: JE11562

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 5/15/2025 6:33:00 PM

Delivery Method: SGS

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (1.9);

Cooler Temps (Corrected) °C: Cooler 1: (1.9);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 1 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
--------------------	-----------------	-----------------	------------------

Comments

SM089-03
Rev. Date 12/7/17

JE11562: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22 PO#6638J00.22

SGS Job Number: JE12652

Sampling Date: 06/04/25



Report to:

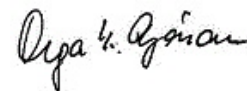
Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Earth Systems, Inc.

Job No: JE12652

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22 PO#6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE12652-1	06/04/25	09:30	KF	06/05/25	AQ	Influent	INF
JE12652-2	06/04/25	09:15	KF	06/05/25	AQ	Water	MID
JE12652-3	06/04/25	09:00	KF	06/05/25	AQ	Effluent	EFF

Summary of Hits

Page 1 of 1

Job Number: JE12652

Account: Earth Systems, Inc.

Project: HESS #20204, 1613 East Joppa Road, Towson, MD

Collected: 06/04/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JE12652-1 INF

Benzene	0.51	0.50	0.43	ug/l	SW846 8260D
Toluene	0.83 J	1.0	0.49	ug/l	SW846 8260D
Ethylbenzene	15.8	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	19.7	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether	2.1	1.0	0.51	ug/l	SW846 8260D
Naphthalene	12.3	5.0	4.4	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.478	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28) ^a	0.377	0.076	0.037	mg/l	SW846 8015D

JE12652-2 MID

Ethylbenzene	3.7	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	7.2	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether	1.2	1.0	0.51	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.210	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28) ^a	0.173	0.077	0.037	mg/l	SW846 8015D

JE12652-3 EFF

No hits reported in this sample.

(a) Sample extracted outside the holding time.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE12652-1					Date Sampled:	06/04/25
Matrix:	AQ - Influent					Date Received:	06/05/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372521.D	1	06/06/25 21:22	ED	n/a	n/a	VL11427
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.51	0.50	0.43	ug/l	
108-88-3	Toluene	0.83	1.0	0.49	ug/l	J
100-41-4	Ethylbenzene	15.8	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	19.7	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	0.51	ug/l	
91-20-3	Naphthalene	12.3	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE12652-1					Date Sampled:	06/04/25
Matrix:	AQ - Influent					Date Received:	06/05/25
Method:	SW846 8015D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11359.D	1	06/09/25 13:25	JN	n/a	n/a	GKM481
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.478	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	88%		63-120%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE12652-1					Date Sampled:	06/04/25
Matrix:	AQ - Influent					Date Received:	06/05/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3Z93680.D	1	06/12/25 18:50	CB	06/12/25 11:00	OP64198	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	52.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.377	0.076	0.037	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	90%		70-130%		
438-22-2	5a-Androstane	73%		70-130%		

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE12652-2					Date Sampled:	06/04/25
Matrix:	AQ - Water					Date Received:	06/05/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372520.D	1	06/06/25 20:57	ED	n/a	n/a	VL11427
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	3.7	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	7.2	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.2	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID	
Lab Sample ID:	JE12652-2	Date Sampled: 06/04/25
Matrix:	AQ - Water	Date Received: 06/05/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11358.D	1	06/09/25 13:00	JN	n/a	n/a	GKM481
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.210	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	85%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	MID	
Lab Sample ID:	JE12652-2	Date Sampled: 06/04/25
Matrix:	AQ - Water	Date Received: 06/05/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3Z93681.D	1	06/12/25 19:12	CB	06/12/25 11:00	OP64198	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	52.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.173	0.077	0.037	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		70-130%		
438-22-2	5a-Androstane	83%		70-130%		

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE12652-3					Date Sampled:	06/04/25
Matrix:	AQ - Effluent					Date Received:	06/05/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L372512.D	1	06/06/25 17:35	ED	n/a	n/a	VL11427
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	EFF	
Lab Sample ID:	JE12652-3	Date Sampled: 06/04/25
Matrix:	AQ - Effluent	Date Received: 06/05/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11357.D	1	06/09/25 12:36	JN	n/a	n/a	GKM481
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE12652-3					Date Sampled:	06/04/25
Matrix:	AQ - Effluent					Date Received:	06/05/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3Z93682.D	1	06/12/25 19:34	CB	06/12/25 11:00	OP64198	G3Z3650
Run #2							

	Initial Volume	Final Volume
Run #1	50.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.079	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	97%		70-130%		
438-22-2	5a-Androstane	89%		70-130%		

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

ww

FED-EX Tracking #	Boiler Order Control # JV-05725-68
SGS Quote #	SGS Job # JE12652

[illegible]

JE12652: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE12652

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 6/5/2025 6:26:00 PM

Delivery Method: sgs

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.3);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 1 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
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Comments

SM089-03
Rev. Date 12/7/17

JE12652: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Earth Systems, Inc.

HESS #20204, 1613 East Joppa Road, Towson, MD

6638J00.22 PO#6638J00.22

SGS Job Number: JE13229

Sampling Date: 06/10/25



Report to:

Earth Systems
6272 Sauerkraut Lane
Macungie, PA 18062
jfox@earthsys.net

ATTN: Jeremy Fox

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Sample Summary

Earth Systems, Inc.

Job No: JE13229

HESS #20204, 1613 East Joppa Road, Towson, MD
Project No: 6638J00.22 PO#6638J00.22

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE13229-1	06/10/25	10:30	KF	06/11/25	AQ	Influent	INF
JE13229-2	06/10/25	10:15	KF	06/11/25	AQ	Water	MID
JE13229-3	06/10/25	10:00	KF	06/11/25	AQ	Effluent	EFF

Summary of Hits

Page 1 of 1

Job Number: JE13229

Account: Earth Systems, Inc.

Project: HESS #20204, 1613 East Joppa Road, Towson, MD

Collected: 06/10/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JE13229-1 INF

Benzene	0.45 J	0.50	0.43	ug/l	SW846 8260D
Toluene	0.89 J	1.0	0.49	ug/l	SW846 8260D
Ethylbenzene	12.0	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	25.1	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether	2.0	1.0	0.51	ug/l	SW846 8260D
Naphthalene	10.7	5.0	4.4	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.539	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)	0.669	0.078	0.038	mg/l	SW846 8015D

JE13229-2 MID

Ethylbenzene	3.6	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	8.4	1.0	0.59	ug/l	SW846 8260D
Methyl Tert Butyl Ether	1.3	1.0	0.51	ug/l	SW846 8260D
TPH-GRO (C6-C10)	0.214	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)	0.410	0.081	0.039	mg/l	SW846 8015D

JE13229-3 EFF

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	INF	Date Sampled:	06/10/25
Lab Sample ID:	JE13229-1	Date Received:	06/11/25
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1V115249.D	1	06/16/25 19:19	NW	n/a	n/a	V1V4425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.45	0.50	0.43	ug/l	J
108-88-3	Toluene	0.89	1.0	0.49	ug/l	J
100-41-4	Ethylbenzene	12.0	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	25.1	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.0	1.0	0.51	ug/l	
91-20-3	Naphthalene	10.7	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	112%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	INF		
Lab Sample ID:	JE13229-1	Date Sampled:	06/10/25
Matrix:	AQ - Influent	Date Received:	06/11/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11586.D	1	06/16/25 13:46	JN	n/a	n/a	GKM488
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.539	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	86%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	INF						
Lab Sample ID:	JE13229-1					Date Sampled:	06/10/25
Matrix:	AQ - Influent					Date Received:	06/11/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93845.D	1	06/18/25 02:48	CP	06/17/25 13:00	OP64505	G3Y3657
Run #2							

	Initial Volume	Final Volume
Run #1	51.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.669	0.078	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	90%		70-130%		
438-22-2	5a-Androstane	74%		70-130%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MID						
Lab Sample ID:	JE13229-2					Date Sampled:	06/10/25
Matrix:	AQ - Water					Date Received:	06/11/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1V115248.D	1	06/16/25 18:54	NW	n/a	n/a	V1V4425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	3.6	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	8.4	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	113%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MID		
Lab Sample ID:	JE13229-2	Date Sampled:	06/10/25
Matrix:	AQ - Water	Date Received:	06/11/25
Method:	SW846 8015D	Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11588.D	1	06/16/25 14:35	JN	n/a	n/a	GKM488
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.214	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	83%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MID	
Lab Sample ID:	JE13229-2	Date Sampled: 06/10/25
Matrix:	AQ - Water	Date Received: 06/11/25
Method:	SW846 8015D SW846 3511	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93846.D	1	06/18/25 03:11	CP	06/17/25 13:00	OP64505	G3Y3657
Run #2							

	Initial Volume	Final Volume
Run #1	49.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.410	0.081	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		70-130%		
438-22-2	5a-Androstane	84%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE13229-3					Date Sampled:	06/10/25
Matrix:	AQ - Effluent					Date Received:	06/11/25
Method:	SW846 8260D					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1V115247.D	1	06/16/25 18:29	NW	n/a	n/a	V1V4425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
91-20-3	Naphthalene	ND	5.0	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	106%		80-120%
460-00-4	4-Bromofluorobenzene	110%		82-114%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	EFF	
Lab Sample ID:	JE13229-3	Date Sampled: 06/10/25
Matrix:	AQ - Effluent	Date Received: 06/11/25
Method:	SW846 8015D	Percent Solids: n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM11585.D	1	06/16/25 13:22	JN	n/a	n/a	GKM488
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	84%		63-120%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EFF						
Lab Sample ID:	JE13229-3					Date Sampled:	06/10/25
Matrix:	AQ - Effluent					Date Received:	06/11/25
Method:	SW846 8015D SW846 3511					Percent Solids:	n/a
Project:	HESS #20204, 1613 East Joppa Road, Towson, MD						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y93847.D	1	06/18/25 03:33	CP	06/17/25 13:00	OP64505	G3Y3657
Run #2							

	Initial Volume	Final Volume
Run #1	49.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.080	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		70-130%		
438-22-2	5a-Androstane	83%		70-130%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

JE13229

JE13223

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FED-EX Tracking #		Bottle Order Control # JV-05725-68	
SGS Quote #		SGS Job #	
Client / Reporting Information		Project Information	
Company Name: Earth Systems, Inc.		Project Name: Former Hess - 20204	
Street Address: 3590 Route 378		Street: 1613 E. Joppa Rd.	
City: Bethlehem, PA		City: Towson, MD	
State: PA		State: MD	
Zip: 18015		Zip: 21204	
Project Contact: Jeremy Fox		Project #: 6638J00.22	
E-mail: jfox@earthsys.net		Client Purchase Order #: 6638J00.22	
Phone #: 610-509-5153		Street Address:	
Sample(s) Name(s): Kyle Froehlich		City:	
Phone #: 610-216-1632		State:	
Project Manager:		Zip:	
Attention:			
Turn Around Time (Business Days)		Data Deliverable Information	
Approved By (SGS PM): / Date:		Comments / Special Instructions	
☐ 10 Business Days ☐ 5 Business Days ☐ 3 Business Days ☐ 2 Business Days ☐ 1 Business Day ☒ Other 14 Day Hess Standard All data available via LabLink		☒ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ NJ Reduced (Level 3) ☐ Full Tier 1 (Level 4) ☐ Commercial "C" ☐ NJ DKQP ☐ NYASP Category A ☒ NYASP Category B ☐ MA MCP Criteria ☐ CT RCP Criteria ☐ State Forms ☐ EDD Format Initial Assessment <u>2B IO</u> Label Verification _____	
* Approval needed for 1-3 Business Day TAT		http://www.sgs.com/en/terms-and-conditions	
Sample Custody must be documented below each time samples change possession, including courier delivery.			
Relinquished by:	Date / Time:	Received By:	Date / Time:
1 <u>[Signature]</u>	6/11/2008	1 <u>[Signature]</u>	
Relinquished by:	Date / Time:	Received By:	Date / Time:
3 <u>[Signature]</u>		3 <u>[Signature]</u>	
Relinquished by:	Date / Time:	Received By:	Date / Time:
5 <u>[Signature]</u>		5 <u>[Signature]</u>	
Custody Seal #		Therm. ID:	
☐ Intact ☐ Not Intact		☐ Preserved where applicable ☐ Absent	
		Cooler Temp. °C	
		21	

JE13229: Chain of Custody

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SGS

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JE13229

SGS Sample Receipt Summary

Job Number: JE13229

Client: EARTH SYSTEMS

Project: HESS #20204, 1613 EAST JOPPA ROAD,

Date / Time Received: 6/11/2025 4:01:00 PM

Delivery Method: IMP

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.1);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE13229: Chain of Custody

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