

**ATTACHMENT H**

**ROVING AIR MONITORING DATA TABLE**

Attachment H  
Roving Air Monitoring Data Table  
Marathon Petroleum Tank Fire  
4663 West Airline Highway  
Garyville, St. John the Baptist Parish, Louisiana

Location ID	Location Description	Date/Time Collected	Wind Direction	Latitude	Longitude	Instrument	VOC 10.6 eV (ppm)	O <sub>2</sub> (%)	CO (ppm)	H <sub>2</sub> S (ppm)	LEL (%)	PM 2.5 (ug/m <sup>3</sup> )	Comments
CAM-230825-1548	637 and Power Blvd	8/25/2023, 3:48 PM	NE	30.07402333	-90.56463167	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.3	
CAM-230825-1554	LA637 at Reg Park Drive	8/25/2023, 3:54 PM	NE	30.07043517	-90.56453673	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.9	
CAM-230825-1558	LA637 at RTC Drive	8/25/2023, 3:58 PM	E	30.06566488	-90.56446072	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.1	
CAM-230825-1603	LA637 @ Railroad Ave	8/25/2023, 4:03 PM	E	30.06108875	-90.56461469	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.5	
CAM-230825-1606	Railroad Ave at Stella C. Tasso St.	8/25/2023, 4:06 PM	SE	30.06057288	-90.57214694	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.4	
CAM-230825-1608	Railroad Ave. at W 17th St.	8/25/2023, 4:08 PM	SE	30.06039456	-90.5763204	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.4	
CAM-230825-1611	W 19th St at Marse Dr.	8/25/2023, 4:11 PM	E	30.06275354	-90.57792187	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.5	
CAM-230825-1613	Due East of Marathon Refinery	8/25/2023, 4:13 PM	E	30.0675197	-90.58340193	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.8	
CAM-230825-1617	River Rd. at W 19th St.	8/25/2023, 4:17 PM	E	30.05651965	-90.57775442	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.4	
CAM-230825-1621	Marathon gate 6 entry along River Rd.	8/25/2023, 4:21 PM	SE	30.05424881	-90.59009493	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.9	
CAM-230825-1625	Marathon gate 18 entry along River Rd	8/25/2023, 4:25 PM	E	30.04874767	-90.60404188	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	23.8	
CAM-230825-1627		8/25/2023, 4:27 PM	SE	30.04654826	-90.60840208	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.9	
CAM-230825-1629	River Rd. at Stout St.	8/25/2023, 4:29 PM	E	30.04418877	-90.61222982	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.2	
CAM-230825-1633	Little Hope St. at Ezekiel Jackson St.	8/25/2023, 4:33 PM	SE	30.04957591	-90.61293863	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.8	
CAM-230825-1637	Little Hope St. at Daisy St.	8/25/2023, 4:37 PM	SE	30.05350479	-90.61443985	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.7	
CAM-230825-1640	Daisy St. at Reserve Telephone Co. Building	8/25/2023, 4:40 PM	E	30.05279591	-90.61807915	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.7	
CAM-230825-1645	St. Hubert Church	8/25/2023, 4:45 PM	SE	30.05625573	-90.61940741	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.1	
CAM-230825-1649	Frazee Harris Library	8/25/2023, 4:49 PM	SE	30.0583975	-90.61883464	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.7	
CAM-230825-1653	Garyville Northern St. at Crocus St.	8/25/2023, 4:53 PM	E	30.06116433	-90.62253434	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19	
CAM-230825-1656	Hwy 54 West of Marathon Refinery	8/25/2023, 4:56 PM	SE	30.06854926	-90.62343328	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.3	
CAM-230825-1659	Moni Carlo parking lot	8/25/2023, 4:59 PM	E	30.07549062	-90.6248247	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.4	
CAM-230825-1702	Pinnacle Polymers entrance	8/25/2023, 5:02 PM	SE	30.07589891	-90.61364816	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.5	
CAM-230825-1704		8/25/2023, 5:04 PM	SE	30.07608567	-90.60364447	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.2	
CAM-230825-1903	Hwy 61 due north of Marathon	8/25/2023, 7:03 PM	N	30.076305	-90.59525	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	22.6	
CAM-230825-1914	Marathon gas station on Hwy 61	8/25/2023, 7:14 PM	N	30.07685667	-90.588375	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	22.3	
CAM-230826-0839	W 19th across from Liquid Transport	8/26/2023, 8:39 AM	W	30.0660295	-90.57848453	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	23.5	
CAM-230826-0849	W 19 at RR tracks	8/26/2023, 8:49 AM	NW	30.06029173	-90.57801288	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.5	
CAM-230826-0855	River Road at ADM dock	8/26/2023, 8:55 AM	NW	30.05622823	-90.57855292	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.8	
CAM-230826-0901	River Road at Cargill dock	8/26/2023, 9:01 AM	NW	30.05539417	-90.58498492	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.7	
CAM-230826-0905	Marathon Gate 6	8/26/2023, 9:05 AM	NW	30.05519848	-90.5904545	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	64	
CAM-230826-0921	River Road at Dock 1	8/26/2023, 9:21 AM	NW	30.05280798	-90.59376228	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.1	
CAM-230826-0925	River Road at Dock 3	8/26/2023, 9:25 AM	NW	30.05038908	-90.59926533	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.5	
CAM-230826-0930	River Road at Gate 18	8/26/2023, 9:30 AM	NW	30.04870442	-90.60426813	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.6	
CAM-230826-0938	St John Child Development Center	8/26/2023, 9:38 AM	NW	30.04793465	-90.61328825	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.8	flare up
CAM-230826-0946	Hobson Brown Funeral Home	8/26/2023, 9:46 AM	NW	30.05353662	-90.61505048	MultiRAE & pDR1500	<0.1	17.5	<1	<0.1	<1	17.5	
CAM-230826-0952	Frazee Harris Library	8/26/2023, 9:52 AM	NW	30.05815435	-90.61840312	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17.7	
CAM-230826-0959	Oak Park Blvd and Garyville Northern St	8/26/2023, 9:59 AM	NW	30.06352423	-90.62305842	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	16.5	
CAM-230826-1005	Dollar General	8/26/2023, 10:05 AM	NW	30.07405742	-90.62467632	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	17	
CAM-230826-1013	Pinnacle Polymers turnoff	8/26/2023, 10:13 AM	NW	30.07550715	-90.61400432	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.9	
CAM-230826-1230	Ezekiel Jackson Park	8/26/2023, 12:30 PM	N	30.04416525	-90.61220093	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.2	
CAM-230826-1238	Anna Drive and Main Street	8/26/2023, 12:38 PM	N	30.04527423	-90.61398493	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	22.2	
CAM-230826-1243	Historic Main Street and Iris Street	8/26/2023, 12:43 PM	N	30.05011232	-90.61534323	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.7	
CAM-230826-1251	Garyville Post Office	8/26/2023, 12:51 PM	N	30.05698007	-90.61769918	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.6	
CAM-230826-1259	Hwy 54 south of Hwy 61	8/26/2023, 12:59 PM	N	30.06834667	-90.62340333	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.6	
CAM-230826-1305	Dollar General at Hwy 61	8/26/2023, 1:05 PM	N	30.07424167	-90.624485	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.1	
CAM-230826-1313	Pinnacle Polymers	8/26/2023, 1:13 PM	N	30.075405	-90.61389167	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.3	
CAM-230826-1318	Sugarcane Road	8/26/2023, 1:18 PM	N	30.07587543	-90.60347988	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.7	
CAM-230826-1324	Terre Haute and Airline Highway	8/26/2023, 1:24 PM	N	30.07614963	-90.58765975	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	22.2	
CAM-230826-1329	Terre Haute	8/26/2023, 1:29 PM	N	30.06742723	-90.58308228	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.9	
CAM-230826-1334		8/26/2023, 1:34 PM	N	30.06577308	-90.57801783	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20	
CAM-230826-1339	West 19th and Railroad	8/26/2023, 1:39 PM	N	30.06039527	-90.57788912	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.3	
CAM-230826-1345	ADM	8/26/2023, 1:45 PM	N	30.05637062	-90.57907937	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.2	
CAM-230826-1349	Gaugnard House	8/26/2023, 1:49 PM	N	30.05445762	-90.58895413	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.1	
CAM-230826-1352	Gate 6	8/26/2023, 1:52 PM	N	30.05537173	-90.59050403	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	20.8	
CAM-230826-1400	Dock 2	8/26/2023, 2:00 PM	N	30.05165692	-90.59646093	MultiRAE & pDR1500	0.5	20.9	<1	<0.1	<1	31.5	odor
CAM-230826-1619	Terre Haute cane field	8/26/2023, 4:19 PM	N	30.0742402	-90.58748457	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19	
CAM-230826-1630	19th and River Road	8/26/2023, 4:30 PM	N	30.05668777	-90.57744817	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	19.4	
CAM-230826-1633	20th and River Road	8/26/2023, 4:33 PM	N	30.05605252	-90.58102005	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.8	
CAM-230826-1640	Gate 6 River Road	8/26/2023, 4:40 PM	W	30.05434377	-90.59016647	MultiRAE & pDR1500	0.3	20.9	<1	<0.1	<1	45.6	Strong West wind from rain to the northwest.
CAM-230826-1646	dock 1	8/26/2023, 4:46 PM	NW	30.05286	-90.59375167	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	14.8	
CAM-230826-1650	dock 2	8/26/2023, 4:50 PM	NW	30.05168333	-90.59637833	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	14.8	
CAM-230826-1655	gate 18	8/26/2023, 4:55 PM	NW	30.04881	-90.604215	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	12.8	
CAM-230826-1702	River Road and S Emilie Street	8/26/2023, 5:02 PM	NW	30.04500547	-90.61075483	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	12.2	
CAM-230826-1706	Stebbins and East	8/26/2023, 5:06 PM	NW	30.04786703	-90.61385682	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	12	
CAM-230826-1713	S Emilie Street	8/26/2023, 5:13 PM	NW	30.05850992	-90.61555367	MultiRAE & pDR1500	<0.1	21.2	<1	<0.1	<1	14.6	

Attachment H (continued)  
Roving Air Monitoring Data Table  
Marathon Petroleum Tank Fire  
4663 West Airline Highway  
Garyville, St. John the Baptist Parish, Louisiana

Location ID	Location Description	Date/Time Collected	Wind Direction	Latitude	Longitude	Instrument	VOC 10.6 eV (ppm)	O <sub>2</sub> (%)	CO (ppm)	H <sub>2</sub> S (ppm)	LEL (%)	PM 2.5 (ug/m <sup>3</sup> )	Comments
CAM-230826-1722	Highway 54	8/26/2023, 5:22 PM	NW	30.06822537	-90.62334272	MultiRAE & pDR1500	<0.1	21.2	<1	<0.1	<1	17.3	
CAM-230826-1725	Moni Carlo	8/26/2023, 5:25 PM	NW	30.07484058	-90.62462928	MultiRAE & pDR1500	<0.1	21.2	<1	<0.1	<1	16	
CAM-230827-0820	Terre Haute cane field	8/27/2023, 8:20 AM	NW	30.07417588	-90.5875198	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	25.3	
CAM-230827-0827	W 19 St at railroad crossing	8/27/2023, 8:27 AM	NW	30.07136887	-90.57881944	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	30.5	
CAM-230827-0831	W 19th St at Terre Haute	8/27/2023, 8:31 AM	NW	30.06771274	-90.57868675	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	39.1	
CAM-230827-0836	W 19th at Railroad Ave	8/27/2023, 8:36 AM	NW	30.06035966	-90.5775849	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	39.8	
CAM-230827-0840	River Road at ADM grain elevator	8/27/2023, 8:40 AM	NW	30.05626561	-90.57860483	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	60	
CAM-230827-0849	W 24th St	8/27/2023, 8:49 AM	NW	30.0563688	-90.59028308	MultiRAE & pDR1500	0.5	20.9	<1	<0.1	<1	49.7	
CAM-230827-0855	Marathon dock 2	8/27/2023, 8:55 AM	NW	30.05162797	-90.59644055	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	56	
CAM-230827-0858	Marathon gate 18	8/27/2023, 8:58 AM	NW	30.04874021	-90.60420976	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	52.6	
CAM-230827-0904	River Road at Stout St.	8/27/2023, 9:04 AM	NW	30.04414731	-90.6122664	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	61	
CAM-230827-0910	S Emile St. at Daisy St.	8/27/2023, 9:10 AM	NW	30.05441179	-90.61393699	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	61	
CAM-230827-1209	Garyville post office	8/27/2023, 12:09 PM	NW	30.05697948	-90.61767795	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	44	
CAM-230827-1220	Sherman Walker St.	8/27/2023, 12:20 PM	NW	30.05117798	-90.61392877	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	40.5	
CAM-230827-1227	S Fig St. near playground	8/27/2023, 12:27 PM	NW	30.04737487	-90.6130296	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	40.1	
CAM-230827-1237	W 24th St East of Marathon facility	8/27/2023, 12:37 PM	NW	30.05658494	-90.59040173	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	42.5	
CAM-230827-1246	W 18th St at River Rd.	8/27/2023, 12:46 PM	NW	30.05676214	-90.57677644	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	35	
CAM-230827-1250	Nancy St. at CN railroad crossing	8/27/2023, 12:50 PM	NW	30.06013069	-90.5772427	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	37.1	
CAM-230827-1254	W 19th St. across from Liquid Transport	8/27/2023, 12:54 PM	NW	30.06594566	-90.57840583	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	39.3	
CAM-230827-1259	Port of South Louisiana entrance	8/27/2023, 12:59 PM	NW	30.07722252	-90.57898487	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	38.3	
CAM-230827-1611	Mt. Airy Magnet School	8/27/2023, 4:11 PM	NW	30.04585582	-90.62506946	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	80	Maximum outdoor measurement outside of school
CAM-230827-1613	Mt. Airy Magnet School	8/27/2023, 4:13 PM	NW	30.04580872	-90.6251546	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	30	Maximum indoor reading at school.
CAM-230827-1618	Hwy 54 at Garyville northern rd	8/27/2023, 4:18 PM	NW	30.0648735	-90.62303449	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	24.9	
CAM-230827-1624	Rosary walk across from St. Hubert's church	8/27/2023, 4:24 PM	NW	30.05604734	-90.61965029	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	25.7	
CAM-230827-1628	Hobson Brown Funeral Home	8/27/2023, 4:28 PM	NW	30.05352018	-90.61504665	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	22.4	
CAM-230827-1631		8/27/2023, 4:31 PM	NW	30.0507757	-90.61374414	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.4	
CAM-230827-1640	Gate 18 entrance	8/27/2023, 4:40 PM	NW	30.04963118	-90.60313793	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	18.9	
CAM-230827-1648	Atop levee across from Marathon gate 6	8/27/2023, 4:48 PM	NW	30.05387548	-90.59013068	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	24.4	
CAM-230827-1725	Cargill gate 1 entrance	8/27/2023, 5:25 PM	NW	30.05608551	-90.58174641	MultiRAE & pDR1500	<0.1	20.9	<1	<0.1	<1	28.3	

Attachment H (continued)  
Roving Air Monitoring Data Table  
Marathon Petroleum Tank Fire  
4663 West Airline Highway  
Garyville, St. John the Baptist Parish, Louisiana

Detection Range and Resolution of the instrumentation			
Instrument	Sensor	Detection Range	Resolution
MultiRAE	O <sub>2</sub>	0-30% Vol	1% Vol
MultiRAE	LEL	0-100%	1%
MultiRAE	CO	0-500 ppm	1 ppm
MultiRAE	H <sub>2</sub> S	0-100 ppm	0.1 ppm
MultiRAE	VOC (10.6eV)	0.1-5,000 ppm	0.1 ppm
PDR-1500	PM 2.5	1 to 400,000 µg/m <sup>3</sup>	1 µg/m <sup>3</sup>

Notes:

O<sub>2</sub> - oxygen

LEL - lower explosive limit

CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

VOC - volatile organic compound

PDR - personal DataRAM

PM 2.5 - Fine inhalable particles, with diameters that are generally 2.5 micrometers and smaller

ppm - parts per million

% - percent

µg/m<sup>3</sup> - micrograms per cubic meter