



2024 Year to Date Nanticoke Refinery Property Line Benzene Monitoring Data

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Station ID	1-FLARE	2-SPHERE	3-WWTP	4-WWTP	5-WWTP	6-FIREHALL	7-RAIL	8-RAIL	9-TERMINAL	10-TANKS	11-TANKS	12-TANKS	13-DOCK1	14-DOCK2		
Location (Lat, Long)	42.8360 -80.0406	42.8324 -80.0403	42.8283 -80.0423	42.8240 -80.0431	42.8264 -80.0466	42.8295 -80.0496	42.8318 -80.0558	42.8361 -80.0576	42.8406 -80.0594	42.8404 -80.0542	42.8392 -80.0499	42.8390 -80.0451	42.8390 -80.0451	42.4745 -80.2566		
Date of Deployment/Date of Retrieval/Results (ug/m3)																
21-December-2023	4-January-2024	4.2	1.4	1.2	1.4	1.6	0.84	1.8	1.8	0.68	1.3	1.3	1.1	0.60	0.92	
4-January-2024	18-January-2024	7.1	1.1	0.78	0.75	1.5	0.69	1.4	1.0	0.80	1.2	2.4	3.0	0.94	1.1	
18-January-2024	1-February-2024	3.1	1.4	0.99	1.4	1.2	0.97	1.6	1.6	0.80	1.9	1.5	1.6	2.2	0.71	
1-February-2024	15-February-2024	0.98	0.88	0.81	1.4	1.1	1.0	1.4	1.7	0.80	1.6	1.2	1.2	0.77	3.1	
15-February-2024	29-February-2024	1.6	0.95	1.2	1.3	1.6	0.99	1.0	1.2	0.77	2.1	1.9	2.1	0.84	1.9	
29-February-2024	14-March-2024	1.0	0.86	1.2	0.80	1.1	0.72	1.4	1.5	0.66	2.2	1.4	1.5	1.2	1.3	
14-March-2024	28-March-2024	1.1	0.70	0.57	0.83	0.72	0.55	0.67	1.2	0.51	1.2	1.4	1.2	1.2	0.71	
28-March-2024	11-April-2024	0.67	0.58	0.81	1.6	1.5	0.95	1.3	2.0	0.50	1.4	0.95	0.92	1.2	0.45	
11-April-2024	25-April-2024	1.1	0.88	1.0	0.81	0.70	0.61	0.82	1.2	0.49	2.0	1.2	1.2	1.6	1.2	
25-April-2024	9-May-2024	0.66	0.61	0.97	1.8	0.88	0.89	1.5	3.6	0.66	2.3	1.3	1.2	2.3	0.70	
9-May-2024	23-May-2024	0.78	0.70	1.6	1.4	0.95	0.93	1.2	1.5	0.62	4.3	2.0	1.9	0.52	1.2	
23-May-2024	6-June-2024	0.94	0.56	1.2	1.6	1.8	1.1	1.0	1.5	Note 1	3.4	1.9	1.4	0.86	0.57	
6-June-2024	20-June-2024	0.97	0.77	1.3	1.1	0.92	0.85	0.97	1.3	0.99 Note 2	3.6	2.4	1.4	1.7	3.0	
20-June-2024	4-July-2024	0.99	0.85	1.9	1.2	0.90	0.70	0.96	1.6	0.44	3.6	2.3	1.3	1.5	0.30	
4-July-2024	18-July-2024	1.0	0.96	2.8	1.3	1.4	1.2	1.0	1.3	0.42	5.4	3.1	1.4	3.6	0.63	
18-July-2024	1-August-2024	0.94	0.94	1.9	2.2	1.2	1.5	1.1	1.1	0.37	4.4	2.4	1.2	0.71	0.35	
1-August-2024	15-August-2024	1.6	1.2	1.2	1.7	1.6	1.1	1.1	1.4	0.48	2.5	2.7	1.8	1.2	0.34	
15-August-2024	29-August-2024	1.0	1.1	3.7	4.3	4.8	2.6	2.0	1.6	0.62	5.1	2.4	1.7	0.78	0.64	
29-August-2024	12-September-2024	1.2	0.82	1.5	4.0	1.3	1.7	1.9	2.0	0.36	3.0	2.0	1.8	0.50	0.62	

Note 1: Technician error in tube harvest. No sample taken.

Note 2: Results reflect a 4-week sampling period (May 23 to June 20, 2024) due to technician error (see Note 1).