

Plaquemine, LA
Louisiana Operations Site
Fenceline Monitoring Program
Civil Action No. 2:21-cv-114



Sample Name	PLA_AMP-01	PLA_AMP-02	PLA_AMP-03	PLA_AMP-04	PLA_AMP-05	PLA_AMP-06	PLA_AMP-07	PLA_AMP-08	PLA_AMP-09	PLA_AMP-10	PLA_AMP-11	PLA_AMP-12	PLA_AMP-13	PLA_AMP-14	PLA_AMP-15	PLA_AMP-16	PLA_AMP-17	PLA_AMP-18	PLA_AMP-19	PLA_AMP-20
Date of Retrieval	Benzene Sample Results (µg/m ³)																			
6/26/2024	1.300	3.110	2.750	0.964	0.696	ND	0.551	0.587	0.470	0.458	0.609	0.511	0.689	0.697	0.959	1.240	1.080	0.978	1.300	2.680
7/10/2024	2.050	5.440	2.680	1.030	0.994	0.649	0.734	0.614	0.527	0.507	0.636	0.555	0.428	0.607	0.748	0.658	0.508	0.544	0.781	0.922
7/24/2024	1.270	3.030	2.760	1.390	0.901	0.855	0.917	0.913	0.907	0.840	0.790	0.748	0.791	0.704	0.771	0.854	0.809	0.713	0.789	1.260
8/7/2024	0.747	3.130	2.970	1.430	0.979	0.778	0.702	0.610	0.589	0.618	0.565	0.445	0.616	0.552	0.557	0.647	0.594	0.606	0.635	0.937
8/21/2024	0.850	1.780	2.120	1.380	0.974	0.902	0.895	0.767	0.722	0.754	0.663	0.748	0.726	0.725	0.666	0.906	0.890	0.633	0.577	0.800
9/4/2024	0.961	1.500	1.160	0.945	0.772	0.776	0.742	0.805	0.872	0.729	0.897	0.595	0.749	0.865	1.560	1.380	0.878	1.130	1.250	3.100
9/18/2024	0.694	1.220	1.920	0.803	0.624	0.827	0.695	0.736	0.754	0.697	0.671	Fe	0.940	1.600	1.340	1.670	1.220	0.921	1.190	2.150
10/02/2024	1.180	2.760	2.600	1.450	1.040	0.962	0.816	0.792	0.790	0.923	0.872	1.530	0.911	1.070	1.060	1.140	1.290	0.904	0.903	1.190
10/16/2024	0.924	2.080	1.450	1.180	0.545	0.674	0.775	0.690	0.704	1.040	0.689	0.775	0.802	1.180	1.330	1.080	1.260	1.050	0.885	1.240
10/30/2024	1.150	2.200	1.230	1.200	0.941	0.974	1.170	1.210	1.030	1.200	1.140	1.040	1.090	1.250	1.570	1.350	1.470	1.300	1.300	2.340
11/13/2024	1.330	1.270	0.852	0.505	0.559	0.476	0.512	0.539	0.460	0.539	0.633	0.645	0.748	1.080	0.962	1.180	1.140	0.763	1.120	2.640
11/27/2024	2.040	1.910	1.370	1.360	1.040	1.190	1.190	1.060	1.290	1.030	1.700	1.710	1.410	1.550	1.560	1.330	1.310	1.140	1.030	1.810
12/10/2024	1.060	2.340	1.190	0.963	0.777	0.743	0.668	0.756	0.834	0.784	0.777	0.899	1.280	1.880	1.320	1.170	1.400	1.360	1.570	1.710
12/23/2024	1.780	2.780	1.390	1.280	1.050	1.190	1.090	1.130	1.240	1.390	1.330	1.180	1.440	1.480	1.210	1.690	1.570	1.340	1.420	2.780
1/6/2025	1.920	3.880	1.470	1.240	0.906	0.806	0.969	0.830	0.866	0.866	0.865	0.848	1.090	1.190	1.350	1.120	1.280	0.781	1.230	1.900
1/24/2025***	0.883	1.310	1.170	0.986	0.857	0.869	0.754	0.805	0.825	0.811	0.860	1.090	1.250	1.230	0.990	1.120	1.050	0.814	0.882	1.060
2/06/2025	2.400	3.250	2.220	1.660	1.140	1.150	1.280	1.320	1.660	1.600	1.310	1.480	1.250	1.180	1.090	1.030	1.080	1.060	1.020	1.500
2/19/2025	2.000	6.200	1.390	1.220	0.780	0.586	0.658	0.579	0.803	0.699	1.020	0.830	1.040	1.120	0.924	0.905	1.100	0.710	0.721	1.420
3/05/2025	1.490	1.850	2.000	1.090	0.932	0.795	0.747	0.769	0.879	0.905	0.888	1.080	1.370	1.470	1.500	1.540	1.750	0.995	1.040	1.320
3/19/2025	2.720	4.150	1.990	1.290	0.998	0.830	0.808	0.685	0.827	0.610	0.580	0.518	0.767	0.547	0.513	0.623	0.658	0.569	0.758	0.715
4/02/2025	1.890	3.580	1.450	0.969	0.864	0.689	0.762	0.800	0.777	0.800	1.030	1.310	1.160	1.080	1.140	1.090	1.150	0.936	0.839	1.600
4/16/2025	6.470	4.260	4.500	19.800	8.190	3.530	1.310	1.050	1.130	1.050	1.150	1.060	1.160	1.090	1.310	1.290	1.930	0.892	0.831	4.180
4/30/2025	3.240	5.720	2.710	1.280	1.130	0.998	1.170	1.070	0.916	0.827	0.880	0.973	0.856	1.010	1.070	1.050	1.130	0.817	0.948	2.050
5/14/2025	1.680	2.900	1.510	0.793	0.639	0.651	0.862	0.849	0.678	0.748	0.575	0.529	0.571	0.527	0.674	0.670	0.681	0.791	0.953	1.570
5/28/2025	3.050	5.250	1.400	1.010	0.678	0.629	0.828	0.791	0.624	0.681	0.657	0.783	0.508	0.518	0.591	0.607	0.583	0.571	0.692	0.813
6/11/2025	2.320	4.360	2.110	0.984	0.814	0.698	0.774	0.890	0.981	0.999	0.875	0.692	0.736	0.771	0.772	0.857	0.912	0.832	0.801	1.330

Sampling Period ΔC *	3.67	µg/m ³
Annual Average ΔC **	3.22	µg/m ³

* Sampling Period ΔC = Difference between the highest and lowest concentrations detected during the sampling period

** Annual Average ΔC = The rolling average of the 26 previous 14 day sampling periods.

*** Dates are reflective of samples being collected outside of 14 +/- 1 days due to limited access to the site resulting from winter storm Enzo.

Fe: Results are not available due to a field error.

ND: The analyte was not present above the Method Detection Limit