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)																			
10/15/2025	1.170	2.500	1.640	6.470	3.160	2.910	1.630	0.971	0.681	0.596	0.563	0.659	0.705	0.988	1.430	2.020	3.760	1.790	1.740	2.340
10/29/2025	1.490	1.600	1.380	1.120	0.756	0.800	0.756	0.802	0.736	0.785	0.811	0.861	0.905	1.550	1.180	1.190	1.550	0.987	1.300	1.970
11/12/2025	0.907	1.960	1.940	1.160	0.904	0.834	0.809	0.908	0.918	0.775	0.769	0.824	0.975	0.884	0.971	1.200	1.030	0.928	1.070	1.300
11/25/2025	1.810	3.120	1.860	1.450	1.030	1.030	0.899	0.906	0.906	0.957	0.909	0.899	1.050	1.120	0.968	1.150	0.953	0.888	0.931	1.290
12/10/2025	0.829	0.938	0.705	0.742	0.619	0.733	0.788	0.724	0.721	0.692	0.760	1.010	1.230	1.420	1.250	1.240	0.954	0.898	0.899	1.490
12/23/2025	5.620	10.300	2.940	1.290	1.170	1.270	1.360	1.400	1.390	1.310	1.140	1.170	1.590	1.370	1.390	1.420	1.380	1.260	1.700	2.710
1/07/2026	1.530	3.420	2.220	1.300	1.080	0.848	0.763	0.759	0.920	0.766	0.764	0.889	0.964	0.825	0.859	1.010	0.866	0.726	0.796	0.952
1/21/2026	1.420	2.620	1.530	1.140	0.808	0.766	0.786	0.746	0.795	0.825	0.716	0.780	0.845	0.689	0.673	0.696	0.661	0.627	0.656	0.860
2/04/2026	1.080	1.790	1.540	0.940	0.799	0.897	0.781	0.607	0.958	0.594	0.770	0.790	0.933	0.953	0.666	0.951	0.795	0.675	0.719	0.918
2/18/2026	1.870	3.410	2.060	1.020	0.874	0.851	0.752	0.778	0.724	0.637	0.765	0.604	0.664	0.629	0.652	0.732	0.666	0.645	0.728	0.879
3/04/2026	1.720	3.510	1.510	1.130	0.904	0.674	0.521	0.690	0.568	0.684	0.777	0.704	0.880	0.639	0.805	0.735	0.828	0.705	0.840	1.210
3/18/2026	2.100	3.030	0.922	0.877	0.573	0.578	0.650	0.698	0.789	0.927	0.950	1.180	1.150	1.040	0.973	0.904	0.809	0.796	0.772	1.270
4/01/2026	1.020	3.390	1.240	0.830	0.540	0.464	0.495	0.438	0.484	0.471	0.521	0.483	0.467	0.557	0.605	0.499	0.566	0.571	0.569	1.250
4/15/2026	1.760	1.790	0.888	0.543	0.455	0.375	0.407	0.439	0.535	0.462	1.680	8.780	1.640	0.748	0.682	0.798	1.640	0.721	0.745	2.780
4/29/2026	2.680	2.350	0.778	0.581	0.624	0.475	0.408	0.407	0.447	0.445	0.475	0.474	0.454	0.750	0.578	0.535	0.542	0.492	0.522	1.140
5/13/2026	1.500	2.660	1.650	0.788	0.467	0.437	0.428	0.426	0.372	0.428	0.488	0.554	0.996	1.070	0.544	0.864	0.878	0.547	0.450	0.931
5/27/2026	1.830	2.170	1.090	0.705	0.531	0.473	0.511	0.463	0.553	0.498	0.453	0.424	0.528	0.488	0.481	0.582	0.736	0.531	1.080	1.330
6/09/2026	2.070	7.070	4.790	1.310	0.885	0.546	0.555	0.397	0.423	0.485	0.449	0.598	0.498	0.596	0.954	1.340	1.870	1.270	1.290	3.950
6/24/2026	2.780	5.170	2.290	1.310	0.788	0.793	0.831	0.886	0.538	0.500	0.625	0.458	0.513	0.579	0.485	0.619	0.585	0.651	0.687	1.120
7/8/2026	1.050	3.480	4.020	1.520	0.785	0.615	0.596	0.551	0.451	0.543	0.438	0.487	0.503	0.449	0.630	0.672	0.574	0.652	0.606	0.720
7/22/2026	1.030	2.290	2.860	1.630	1.080	0.921	0.801	0.599	0.472	0.533	0.477	0.526	0.592	0.762	0.426	0.717	0.509	0.432	0.440	0.654
8/5/2026	0.862	3.700	7.070	1.710	2.160	1.400	0.737	0.422	0.390	0.499	0.530	0.335	0.338	0.397	0.487	0.555	0.543	0.367	0.379	0.455
8/19/2026	0.815	4.540	3.590	1.300	1.040	0.951	0.628	0.519	0.480	0.659	0.476	0.369	0.381	0.395	0.447	0.689	0.549	0.459	0.390	0.616
9/2/2026	0.850	3.380	3.670	1.350	1.090	1.240	1.350	0.763	0.877	0.704	0.861	0.521	0.656	0.642	1.100	1.100	1.020	0.971	0.733	1.400
9/16/2026	1.230	2.540	2.750	1.400	1.040	0.991	0.872	0.931	0.699	0.764	0.831	0.798	0.638	0.648	0.861	1.090	0.892	0.680	0.749	1.110
9/30/2026	1.580	2.740	2.380	1.360	1.150	1.040	0.988	0.842	1.040	1.220	1.050	0.979	0.965	0.976	1.090	1.260	1.120	0.924	0.912	1.810

Sampling Period ΔC *	1.90	µg/m^3
Annual Average ΔC **	3.38	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.
J: Estimated value - The analyte was detected between the Method Detection Limit and Reporting Limit
M: Results are not available due to a laboratory error.
Fe: Results are not available due to a field error.
ND: The analyte was not present above the Method Detection Limit