

Freeport, TX
Texas Operations Site - Oyster Creek Site
Fenceline Monitoring Program
Civil Action No. 2:21-cv-114



Sample Name	OYC_AMP-01	OYC_AMP-02	OYC_AMP-03	OYC_AMP-04	OYC_AMP-05	OYC_AMP-06	OYC_AMP-07	OYC_AMP-08	OYC_AMP-09	OYC_AMP-10	OYC_AMP-11	OYC_AMP-12
Date of Retrieval	Benzene Sample Results ($\mu\text{g}/\text{m}^3$)											
3/21/2025	0.791	0.775	0.799	0.841	0.826	0.724	0.717	0.808	0.527	1.020	2.170	0.964
4/04/2025	0.484	0.464	0.651	0.789	0.700	0.636	0.706	0.663	0.901	2.060	1.410	0.589
4/18/2025	0.672	0.694	0.744	0.830	0.709	0.619	0.491	0.469	0.556	1.210	1.850	0.586
5/02/2025	0.474	0.368	0.713	1.100	0.665	0.500	0.562	0.535	0.717	5.790	0.820	0.511
5/16/2025	0.622	0.511	0.672	0.953	0.657	0.900	0.748	0.862	1.460	1.250	3.880	0.694
5/30/2025	0.390	0.442	0.496	0.801	0.607	0.623	0.709	0.455	1.030	1.270	1.410	0.471
6/13/2025	0.455	0.456	0.460	0.647	0.396	0.381	0.392	0.391	0.506	2.020	2.870	0.627
6/26/2025	0.350	0.327	0.787	0.536	0.258	0.224	0.337	0.225	0.418	1.280	1.660	0.554
7/11/2025	0.388	0.369	0.559	0.687	0.301	0.335	0.383	0.270	0.239	1.050	2.420	0.512
7/24/2025	0.467	0.561	0.630	0.427	0.321	0.242	0.283	0.238	ND	1.600	2.930	0.623
8/07/2025	0.494	0.515	0.592	0.511	0.450	0.429	0.513	0.387	0.428	0.669	2.560	0.726
8/20/2025	0.542	0.481	0.449	Fe	0.358	0.424	0.398	0.407	0.711	1.000	2.530	0.784
9/04/2025	0.472	0.358	0.507	0.441	0.456	0.602	0.510	0.467	0.626	0.785	2.000	0.650
9/18/2025	0.426	0.711	0.451	0.515	Fe	1.010	1.090	1.000	1.740	0.706	1.160	0.619
10/2/2025	0.505	0.379	0.580	0.495	0.562	0.634	0.580	0.533	1.670	0.639	1.580	0.468
10/15/2025	0.463	0.456	0.370	0.499	0.600	0.747	0.659	Fe	2.980	0.685	0.512	0.410
10/28/2025	0.412	0.585	0.404	0.620	0.388	0.428	0.490	0.820	0.926	0.889	1.390	0.412
11/11/2025	0.490	0.503	0.726	0.584	0.808	0.936	0.755	Fe	0.696	0.738	1.310	0.532
11/24/2025	0.390	0.414	0.525	0.448	0.433	0.461	0.563	0.411	0.462	1.580	1.980	0.449
12/9/2025	0.630	0.584	0.743	0.514	0.813	1.160	0.858	0.744	0.892	2.250	1.200	0.640
12/22/2025	0.669	0.551	0.727	0.659	0.697	0.986	0.690	0.699	0.553	0.767	1.710	0.780
1/6/2026	0.604	0.541	0.689	0.624	0.917	0.943	0.630	0.672	0.556	1.230	2.300	0.624
1/20/2026	0.612	0.569	0.661	0.816	0.694	0.909	0.585	0.602	0.623	1.320	1.650	0.842
2/2/2026	0.750	0.642	0.749	1.090	0.902	1.060	0.801	1.090	1.020	1.440	1.850	0.742
2/17/2026	0.806	0.643	0.686	0.771	Fe	0.609	1.220	Fe	0.797	Fe	4.900	1.060
3/3/2026	0.518	0.515	0.515	0.548	0.729	0.773	1.150	0.658	0.534	2.170	6.640	0.701

Sampling Period ΔC *	6.13	$\mu\text{g}/\text{m}^3$
Annual Average ΔC **	2.12	$\mu\text{g}/\text{m}^3$

* 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.

Fe: Field Error

ND: The analyte was not detected