

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 ($\mu\text{g}/\text{m}^3$)											
4/3/2024	0.607	0.554	0.650	0.847	0.667	0.757	0.632	0.739	0.620	3.740	1.060	0.755
4/18/2024	0.620	0.454	0.559	0.567	0.453	0.591	0.569	0.473	0.494	4.830	0.896	0.510
5/2/2024	0.361	0.484	0.493	0.493	0.626	0.651	0.481	0.628	0.769	5.820	0.859	0.528
5/16/2024	0.577	0.596	0.741	0.675	0.582	0.520	0.681	0.800	1.250	3.240	0.971	0.652
5/29/2024	0.734	0.682	0.825	0.713	0.837	0.651	0.874	0.859	1.110	2.920	1.290	0.744
6/13/2024	0.444	0.519	0.562	0.556	0.553	0.454	0.592	0.585	0.832	2.100	1.060	0.536
6/27/2024	0.529	0.199	0.295	0.306	0.255	0 Fe	0.341	0.543	2.560	2.150	1.490	1.610
7/11-16/2024***	1.410	0.726	0.644	0.512	0.419	0 Fe	0.535	0.434	1.150	2.510	3.330	1.520
7/26/2024***	0.545	0.551	0.603 Fe	0.641	0.513	0.331	0.599	0.431	0.378	1.320	1.530	1.69 Fe
8/8/2024	0.820	0.491	0.725	0.513	0.536	0.447	0.583	2.180	0.565	2.400	8.480	5.950
8/22/2024	0.738	0.533	0.643	0.693	0.790	0.700	0.636	0.919	1.510	4.390	6.190	3.290
9/5/2024	0.577	0.378	0.509	1.200	0.697	0.803	1.270	2.530	2.890	2.570	0.582	0.561
9/19/2024	0.552	0.510	0.656	0.815	0.703	1.870	1.590	1.340	0.671	1.300	1.600	1.160
10/02/2024	0.552	0.476	0.581	0.636	0.745	0.814	0.723	0.589	0.919	1.470	0.834	0.526
10/15/2024	0.687	0.561	0.648	0.729	0.832	0.989	0.844	1.050	1.090	0.826	1.160	0.956
10/30/2024	0.323	0.421	0.333	0.565	0.419	0.616	1.010	0.864	1.340	0.929	0.660	0.350
11/13/2024	0.537	0.500	0.595	0.585	0.697	0.878	1.230	0.790	0.930	1.480	0.697	0.483
11/26/2024	0.558	0.631	0.655	0.900	0.701	1.220	0.661	0.654	0.734	1.120	1.920	1.030
12/11/2024	0.692	0.745	0.733	0.733	0.893	1.320	1.040	0.785	0.751	0.788	1.140	1.030
12/25/2024	0.636	0.596	0.745	0.673	0.655	0.950	0.780	0.709	0.951	1.030	0.712	0.505
1/8/2025	0.787	0.685	0.750	0.868	0.749	1.120	0.870	0.777	0.890	0.883	1.540	0.882
1/23/2025	0.889	0.787	0.797	1.160	1.170	1.750	1.370	0.869	0.818	0.764	0.895	1.040
2/07/2025	0.902	0.898	0.930	0.903	0.947	0.895	0.748	0.753	0.952	1.510	1.260	0.919
2/21/2025	0.894	0.614	0.737	1.020	1.140	1.330	0.805	0.975	1.110	1.080	1.360	0.839
3/07/2025	0.798	0.731	0.832	0.922	0.895	1.120	0.886	0.814	0.979	1.220	0.966	1.040
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

Sampling Period ΔC *	1.64	$\mu\text{g}/\text{m}^3$
Annual Average ΔC **	2.13	$\mu\text{g}/\text{m}^3$

* 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.

*** Dates are reflective of sample numbers 2, 5, 7, and 8 being collected outside of 14 +/- 1 days due to limited access resulting from Hurricane Beryl.

Fe: Field Error