

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 ($\mu\text{g}/\text{m}^3$)											
10/6/2023	0.312	0.254	0.338	0.288	0.277	0.417	0.358	0.660	0.885	1.240	0.904	0.259
10/19/2023	0.610	0.633	0.766	0.874	0.861	1.090	0.867	0.817	0.752	1.240	0.697	0.653
11/02/2023	0.534	0.474	0.522	0.582	0.828	0.699	0.627	0.511	0.620	3.150	0.792	0.520
11/16/2023	0.750	0.893	0.818	0.764	0.841	1.240	0.913	0.690	0.649	1.450	1.310	0.819
11/30/2023	0.704	0.689	0.760	0.801	0.836	1.090	0.799	0.850	0.687	1.800	1.000	0.771
12/14/2023	0.763	0.717	0.805	0.948	0.926	0.831	1.050	1.200	0.792	1.570	1.380	0.846
12/28/2023	0.671	0.647	0.662	0.750	0.796	0.791	0.856	0.938	0.896	1.270	0.633	0.824
1/11/2024	0.877	1.040	1.000	0.980	0.996	1.100	0.999	1.250	1.060	2.570	1.360	1.010
1/25/2024	0.805	0.843	1.100	0.984	1.300	1.120	0.878	1.180	2.130	2.920	0.968	0.808
2/8/2024	0.704	0.675	0.972	1.770	1.060	0.706	0.591	0.689	0.721	1.740	1.030	0.963
2/22/2024	0.638	0.526	0.982	0.751	1.090	0.891	0.652	0.732	0.726	1.970	1.780	0.768
3/6/2024	0.944	0.609	0.757	0.676	0.695	1.020	0.759	0.789	0.645	1.470	2.130	0.800
3/21/2024	0.549	0.503	0.515	0.730	0.620	0.793	0.865	0.714	0.850	2.280	0.797	0.517
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	0.51	0.656	0.815	0.703	1.87	1.59	1.34	0.671	1.3	1.6	1.16

Sampling Period ΔC *	1.36	$\mu\text{g}/\text{m}^3$
Annual Average ΔC **	2.36	$\mu\text{g}/\text{m}^3$

* 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