

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 ($\mu\text{g}/\text{m}^3$)											
7/27/2023	0.395	0.96	0.469	0.322	0.27	0.315	0.218	0.256	0.215	0.688	2.73	0.586
8/9/2023	0.283	0.539	0.335	0.277	0.388	0.277	ND	0.224	0.251	1.2	2.46	0.63
8/24/2023	0.421	0.716	0.402	0.302	0.279	0.261	0.267	0.5	0.752	1.04	2.12	0.559
9/7/2023	0.494	0.455	0.533	0.562	0.51	0.634	0.588	0.46	0.75	1.7	1.3	0.591
9/21/2023	0.467	0.393	0.757	0.612	0.519	0.792	0.617	0.501	0.693	1.56	0.942	0.613
10/6/2023	0.312	0.254	0.338	0.288	0.277	0.417	0.358	0.66	0.885	1.24	0.904	0.259
10/19/2023	0.61	0.633	0.766	0.874	0.861	1.09	0.867	0.817	0.752	1.24	0.697	0.653
11/02/2023	0.534	0.474	0.522	0.582	0.828	0.699	0.627	0.511	0.62	3.15	0.792	0.52
11/16/2023	0.75	0.893	0.818	0.764	0.841	1.24	0.913	0.69	0.649	1.45	1.31	0.819
11/30/2023	0.704	0.689	0.76	0.801	0.836	1.09	0.799	0.85	0.687	1.8	1	0.771
12/14/2023	0.763	0.717	0.805	0.948	0.926	0.831	1.05	1.2	0.792	1.57	1.38	0.846
12/28/2023	0.671	0.647	0.662	0.75	0.796	0.791	0.856	0.938	0.896	1.27	0.633	0.824
1/11/2024	0.877	1.04	1	0.98	0.996	1.1	0.999	1.25	1.06	2.57	1.36	1.01
1/25/2024	0.805	0.843	1.1	0.984	1.3	1.12	0.878	1.18	2.13	2.92	0.968	0.808
2/8/2024	0.704	0.675	0.972	1.77	1.06	0.706	0.591	0.689	0.721	1.74	1.03	0.963
2/22/2024	0.638	0.526	0.982	0.751	1.09	0.891	0.652	0.732	0.726	1.97	1.78	0.768
3/6/2024	0.944	0.609	0.757	0.676	0.695	1.02	0.759	0.789	0.645	1.47	2.13	0.8
3/21/2024	0.549	0.503	0.515	0.73	0.62	0.793	0.865	0.714	0.85	2.28	0.797	0.517
4/3/2024	0.607	0.554	0.65	0.847	0.667	0.757	0.632	0.739	0.62	3.74	1.06	0.755
4/18/2024	0.62	0.454	0.559	0.567	0.453	0.591	0.569	0.473	0.494	4.83	0.896	0.51
5/2/2024	0.361	0.484	0.493	0.493	0.626	0.651	0.481	0.628	0.769	5.82	0.859	0.528
5/16/2024	0.577	0.596	0.741	0.675	0.582	0.52	0.681	0.8	1.25	3.24	0.971	0.652
5/29/2024	0.734	0.682	0.825	0.713	0.837	0.651	0.874	0.859	1.11	2.92	1.29	0.744
6/13/2024	0.444	0.519	0.562	0.556	0.553	0.454	0.592	0.585	0.832	2.1	1.06	0.536
6/27/2024	0.529	0.199	0.295	0.306	0.255	0 Fe	0.341	0.543	2.56	2.15	1.49	1.61
07/11-16/2024***	1.41	0.726	0.644	0.512	0.419	0 Fe	0.535	0.434	1.15	2.51	3.33	1.52

Sampling Period ΔC *	2.91	$\mu\text{g}/\text{m}^3$
Annual Average ΔC **	1.98	$\mu\text{g}/\text{m}^3$

* 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

ND: The analyte was not detected