

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 ($\mu\text{g}/\text{m}^3$)											
2/23/2023	0.596	0.493	0.633	0.707	0.669	0.57	0.569	0.546	0.639	2.12	1.37	1.0
3/9/2023	0.5	0.571	0.587	0.604	0.55	0.517	0.544	0.481	0.655	2.82	0.991	0.7
3/22/2023	0.76	0.835	0.78	1.05	0.905	0.876	0.966	0.927	0.784	2.82	1.1	0.64
4/6/2023	0.55	0.589	0.601	0.675	0.789	0.755	0.87	0.797	0.774	2.8	1.03	0.72
4/20/2023	0.636	0.71	0.769	0.723	0.774	1	11.6	1.28	0.778	3.02	0.736	0.56
5/4/2023	0.603	0.402	0.575	0.529	0.449	0.585	0.558	0.58	1.01	1.25	0.735	1.0
5/18/2023	0.434	0.533	0.495	0.432	0.459	0.526	0.415	0.462	0.602	3.32	0.909	0.481
6/1/2023	0.537	0.564	0.587	0.576	0.524	0.651	0.562	0.594	0.773	1.22	0.733	0.568
6/15/2023	0.487	0.42	0.555	0.464	0.417	0.509	0.59	0.509	0.488	1.39	1.92	0.707
6/29/2023	0.567	0.609	0.565	0.423	0.359	0.226	0.317	0.229	0.269	0.891	3.68	0.665
7/13/2023	0.352	0.373	0.505	0.391	0.319	0.349	0.233	0.28	0.304	0.923	2.29	0.643
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
01/11/2024	0.877	1.04	1	0.98	0.996	1.1	0.999	1.25	1.06	2.57	1.36	1.01
01/25/2024	0.805	0.843	1.1	0.984	1.3	1.12	0.878	1.18	2.13	2.92	0.968	0.808
02/08/2024	0.704	0.675	0.972	1.77	1.06	0.706	0.591	0.689	0.721	1.74	1.03	0.963

Sampling Period ΔC *	1.18	$\mu\text{g}/\text{m}^3$
Annual Average ΔC **	1.93	$\mu\text{g}/\text{m}^3$

* 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.