

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 ($\mu\text{g}/\text{m}^3$) | | | | | | | | | | | |
| 9/7/2023 | 0.494 | 0.455 | 0.533 | 0.562 | 0.510 | 0.634 | 0.588 | 0.460 | 0.750 | 1.700 | 1.300 | 0.591 |
| 9/21/2023 | 0.467 | 0.393 | 0.757 | 0.612 | 0.519 | 0.792 | 0.617 | 0.501 | 0.693 | 1.560 | 0.942 | 0.613 |
| 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 |

| | | |
|------------------------------------|------|--------------------------|
| Sampling Period ΔC * | 5.66 | $\mu\text{g}/\text{m}^3$ |
| Annual Average ΔC ** | 2.30 | $\mu\text{g}/\text{m}^3$ |

* 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