

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 ($\mu\text{g}/\text{m}^3$) | | | | | | | | | | | |
| 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 |
| 07/26/2024*** | 0.545 | 0.551 | 0.603 Fe | 0.641 | 0.513 | 0.331 | 0.599 | 0.431 | 0.378 | 1.32 | 1.53 | 1.69 Fe |

| | | |
|------------------------------------|------|--------------------------|
| Sampling Period ΔC * | 1.36 | $\mu\text{g}/\text{m}^3$ |
| 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.

*** 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