**Supplemental Table 1** PAHs in seafood collected from Galveston Bay.

| Date       | Location | Source       | Species   | n | PAH 1 | PAH 2  |
|------------|----------|--------------|-----------|---|-------|--------|
| 12-Jan     | Gal      | from store   | Shrimp    | 3 | 3.51  | 3.12   |
| 12-Jan     | Gal      | from store   | Oyster    | 3 | 4.25  | 0.96   |
| 12-Jan     | Gal      | From Any     | Trout     | 3 | 5.06  | 1.15   |
| 12-Jan     | Gal      | from store   | Crab      | 3 | 1.81  | 0.70   |
| Jul-12     | Gal      | from store   | Shrimp    | 5 | 38.14 | 5.19   |
| Jul-12     | Gal      | from store   | Oyster    | 5 | 22.61 | 7.20   |
| 3/23/2013  | UTMB     | 29.20.55     | Trout     | 5 | 28.62 | 9.72   |
| 9/28/2012  | UTMB     | 29.15.55     | Oyster    | 5 | 35.40 | 3.51   |
| 7/8/2013   | UTMB     | 29.48        | Oyster    | 6 | 25.38 | 2.54   |
| 11/10/2012 | UTMB     | 29.18.470    | W. Shrimp | 5 | 43.05 | 12.55  |
| Date       | Location | Lat       | Lng       | Species   | Count | Size |
|------------|----------|-----------|-----------|-----------|-------|------|
| 12/13/2011 | UHN      | 29.28401  | 90.369093 | Oyster    | 5     | 16.39| 8.33|
| 12/16/2011 | UHN      | no data   |           | Oyster    | 5     | 4.28 | 3.45|
| 1/12/2012  | UHN      | 29.591046 | 89.642561 | Oyster    | 5     | 5.07 | 3.27|
| 1/14/2012  | UHN      | 29.2215   | 91.13003  | Oyster    | 5     | 12.43| 6.70|
| 1/11/2012  | UHN      | Area 13   |           | W. Shrimp | 5     | 4.17 | 1.81|
| 1/9/2012   | UHN      | 29.466711 | 90.367522 | Trout     | 2     | 2.37 | 0.49|
| 1/9/2012   | UHN      | 29.466357 | 90.357051 | Crab      | 4     | 1.51 | 1.07|
| 1/12/2012  | UHN      | 29.554103 | 89.619228 | Crab      | 3     | 1.20 | 0.24|
| 1/14/2012  | UHN      | 29.21832  | 91.1326   | Crab      | 4     | 1.26 | 0.81|
| 6/15/2012  | UHN      | 12:44:46  |           | B. Shrimp | 5     | 35.55| 13.52|
| 6/15/2012  | UHN      | 12:44:46  |           | W. Shrimp | 5     | 19.79| 6.08 |
| 6/15/2012  | UHN      | 17:13:27  |           | B. shrimp | 5     | 77.57| 39.00|
| 6/21/2012  | UHN      | 29:52:758 | 89:38:242 | B. Shrimp | 5     | 107.87| 24.33|
| 6/15/2012  | UHN      | 11:38:37  |           | Oyster    | 5     | 18.50| 17.71|
| 6/21/2012  | UHN      | 29:51:29  | 89:40:40  | Oyster    | 5     | 32.16| 22.59|
| 6/15/2012  | UHN      | 11:38:37  |           | Crab      | 5     | 37.36| 22.06|
| 6/22/2012  | UHN      | 29:51:29  | 89:40:40  | Crab      | 3     | 41.10| 31.70|
| 7/1/2012   | UHN      | 29:18:340 | 88:736:849| R. Snapper| 3     | 18.97| 8.04 |
| 7/1/2012   | UHN      | 29:18:340 | 88:736:849| Grouper   | 3     | 9.13 | 8.35 |
| 10/15/2012 | UHN      | 29.24.970 | 90.26.874 | Red Fish  | 1     | 19.29|      |
| 10/18/2012 | UHN      | 29.24.970 | 90.26.874 | Flounder  | 1     | 15.61|      |
| 10/26/2012 | UHN      | cut off   |           | Trout     | 2     | 28.25| 1.60 |
| 10/26/2012 | UHN      | cut off   |           | Trout     | 2     | 19.90| 4.95 |
| 10/14/2012 | UHN      | 29.22.314 | 90.28.345 | Trout     | 1     | 16.26|      |
| 10/11/2012 | UHN      | 29.22.092 | 90.25.031 | Oyster    | 5     | 56.19| 25.50|
| 10/25/2012 | UHN      | 29.43.476 | 89.36.343 | Oyster    | 5     | 33.74| 3.66 |
| 10/20/2012 | UHN      | 29.20.193 | 90.35.613 | Oyster    | 5     | 71.34| 9.62 |
| 11/1/2012  | UHN      | 30.04.794 | 89.29.806 | Oyster    | 5     | 56.30| 9.19 |
| 10/11/2012 | UHN      | 29.20.104 | 90.22.277 | W. Shrimp | 5     | 34.39| 4.08 |
| 10/18/2012 | UHN      | 29.24.970 | 90.26.874 | W. Shrimp | 5     | 28.53| 12.31|
| 12/10/2012 | UHN      | 30.158.333| 89.472.917| W. Shrimp | 5     | 62.05| 6.71 |
| 10/11/2012 | UHN      | 29.21.924 | 90.23.796 | Crab      | 5     | 77.17| 18.52|
| 10/23/2012 | UHN      | 29.23.127 | 90.28.985 | Crab      | 5     | 57.98| 12.66|
| 12/10/2012 | UHN      | 30.158333 | 89.472917 | Crab      | 3     | 48.40| 22.54|
| 5/3/2013   | UHN      | 29:25:940 | 90.22.389 | Crab      | 3     | 25.72| 11.78|
| 5/3/2013   | UHN      | 29.24.586 | 90.24.168 | Crab      | 3     | 24.98| 9.83 |
| 6/13/2013  | UHN      | 29.30.713 | 89.45.956 | Crab      | 5     | 19.92| 5.83 |
| 6/13/2013  | UHN      | 29.30.037 | 89.45.344 | W. Shrimp | 5     | 26.76| 13.53|
| 6/13/2013  | UHN      | 29.30.713 | 89.45.956 | B. Shrimp | 5     | 24.39| 3.53 |
| 6/30/2013  | UHN      | 30.08.27  | 89.47.81  | W. Shrimp | 5     | 32.10| 12.47|
| 6/30/2013  | UHN      | 30.08.27  | 89.47.81  | B. Shrimp | 5     | 29.63| 2.72 |