### **ORIGINAL**

# TSCA NON-CONFIDENTIAL BUSINESS INFORMATION **DOCUMENT DESCRIPTION DATE RECEIVED DOCUMENT CONTROL NUMBER** 8EHQ-06-16663 89100000080 9 COMMENTS:

**DOES NOT CONTAIN CBI** 

89100000080



09 DEC 11 AM 10: 44

December 10, 2009

met 323346

DuPont Haskell Global Centers for Health and Environmental Sciences 1090 Elkton Road, P.O. Box 50 Newark, DE 19714-0050

#### Via Federal Express

Document Processing Center (Mail Code 7407M)
Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004

Dear 8(e) Coordinator:

Re: 8EHQ-96-16446/8EHQ-06-16663

Perfluorooctanoate Anion (PFOA)
Occupational Serum Sampling
DuPont Performance Elastomers

Chambers Works Facility, Deepwater, New Jersey

Please find attached occupational PFOA serum sampling results for workers at the above referenced DuPont site for samples collected in October 2009. The levels of PFOA reported with this submission are generally corroborative of previously reported levels in an occupational setting. This information is provided to the TSCA 8(e) office in view of the Agency's continued interest in perfluorinated substances and as a precautionary measure.

Sincerely,

a Michael Kaplan

A. Michael Kaplan, Ph.D. Director – Regulatory Affairs

AMK/JLC: clp (302) 366-5260

Attachment (3 pages)

CONTAINS NO CBI

## DuPont Company Performance Elastomers Chambers Works, Deepwater, NJ Serum Perfluorooctanoate Anion (PFOA) Results

| Sample ID   Current   Samples   Samples   Cullected   Samples   Collected      |               |                                       |      |             | ,            |              |
|--|---------------|---------------------------------------|------|-------------|--------------|--------------|
| Sample ID   Exposure   Collected   Sept/Oct   2009   2009   30000   O  |               |                                       |      | Samples     |              |              |
| Number Group March 2006 2007 2009 2009 30000 O 30001 O 30001 O 30002 O 30004 O 30006 O 30006 O 30006 O 4444 185 233 30008 O 615 303 250 30008 O 30007 O 30008 O 615 303 250 30009 O 30009 O 30001 O 44 4 4 36 5 30008 O 616 5 30008 O 16 22 20 30009 O 30001 O 44 36 18 30011 O 44 36 18 30011 O 54 36 18 30011 O 55 56 30012 O 30012 O 30013 O 55 5 56 30014 O 16 19 30015 O 78 73 30016 O 25 33 30017 O 1220 1370 30018 O 30019 O 21 1230 1370 30019 O 21 1230 1370 30019 O 21 1230 1370 30020 O 16 21 30021 O 30022 L 16 16 10 3 30022 L 16 1610 3 30023 L 5624 553 30024 L 1600 119 30025 L 1715 B81 30026 L 1715 B81 30027 L 30028 L 30029 L 30029 L 30029 L 30029 L 30029 L 30029 L 30020 O 30029 L 30020 O 30029 L 30021 M 46 36 16 30031 M 1620 30031 M 1630 30035 M 166 77 122 300 30037 M 30038 M 30036 P 1280 3005 P 169 2290 1440 1250 3990 30040 P 1280 3005 P 169 2290 2680 30060 P 30050 P 169 320 222 5 30061 P 30062 P 30065 P 169 222 5 30063 P 30065 P 316 275 215 30066   | C             |                                       |      |             |              |              |
| 30000  |               |                                       |      |             |              |              |
| 30001   O  |               |                                       |      |             | <del> </del> |              |
| 30002  |               |                                       |      | 271         | 237          |              |
| 30004  |               |                                       |      |             | 25/          |              |
| 30005   O  |               |                                       |      | 4           | 4            |              |
| 30006  |               |                                       | 444  |             |              |              |
| 30007  |               | 0                                     |      |             |              |              |
| 30009  | 30007         | 0                                     |      | 6           | 5            |              |
| 30010  | 30008         | 0                                     | 16   | 22          | 20           |              |
| 30011  | 30009         | 0                                     |      |             | 134          |              |
| 30012  | 30010         | 0                                     | 64   | 36          | 18           |              |
| 30013  |               |                                       |      | 358         | 258          |              |
| 30014 O 16 19 30015 O 78 73 30016 O 25 33 3 30017 O 1230 1370 30018 O 668 30019 O 21 30020 O 16 21 30021 O 30022 L 1610 30025 L 1600 119 30025 L 1215 881 30025 L 1585 30026 L 1585 30029 L 1570 2300 2235 30029 L 1570 2300 2235 30029 L 1610 30029 L 1600 1990 30030 M 46 30031 M 1620 30031 M 1620 30031 M 1620 30031 M 1620 30033 M 236 106 30034 M 236 106 30035 M 246 74 30036 M 777 122 30037 M 1877 30037 M 1877 30038 M 55 56 30039 O 30030 M 1640 30031 M 1640 30031 M 1640 30031 M 1650 3003031 M 1650 30031 M 1650 3 |               |                                       |      |             |              |              |
| 30015  |               |                                       |      |             |              |              |
| 30016 O 25 33 30017 O 1230 1370 30018 O 6688 30019 O 21 30020 O 16 21 30021 O 30022 L 1610 30023 L 624 553 30024 L 1690 119 30025 L 1215 881 30026 L 1586 3027 L 399 262 30028 L 1570 2300 2235 30029 L 1970 1950 30030 M 246 30303 M 2522 473 30031 M 1620 30303 M 2522 473 30032 M 252 473 30033 M 458 261 285 30037 M 258 261 285 30039 M 552 473 30030 M 77 122 30030 M 77 122 30030 M 77 122 30031 M 167 3004 M 16 |               |                                       |      |             |              |              |
| 30017  |               |                                       |      |             |              |              |
| 30018  |               |                                       |      |             |              |              |
| 30019   O  | <del></del>   |                                       |      |             | 1310         |              |
| 30020  |               |                                       |      |             |              |              |
| 30021   O   1610   |               |                                       |      |             | 21           |              |
| 30022  |               |                                       |      | - 10        |              | <del></del>  |
| 30023 L 624 553 30024 L 1600 119 30025 L 1215 881 30026 L 1585 30027 L 399 262 30028 L 1570 2300 2235 30029 L 1970 1950 30030 M 46 30031 M 1620  | <u> </u>      |                                       |      | 1610        |              | <del> </del> |
| 30024         L         1600         119           30025         L         1215         881           30026         L         1585         300           30027         L         399         262           30028         L         1570         2300         2235           30029         L         1970         1950           30031         M         46         46           30032         M         522         473           30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187         3003           30038         M         55         56           30039         O         30040         P         128           30041         P         128         3044         P           30042         P         1480         3044         P         1490           30043         P         1480         1850         1050           30046   |               |                                       |      |             | 553          |              |
| 30025         L         1215         881           30026         L         1585  |               |                                       |      |             | <del></del>  |              |
| 30026         L         1585         399         262           30028         L         1570         2300         2235           30029         L         1970         1950         1950           30030         M         46         30031         M         1620         46           30031         M         1620         1970         1950         1950         1950           30032         M         522         473         1970         1950   |               |                                       |      |             |              |              |
| 30027         L         399         262           30028         L         1570         2300         2235           30029         L         1970         1950         235           30030         M         46         30031         M         1620         30031         M         1620         30033         M         46         30033         M         458         281         285         30034         M         236         106         46         74         30035         M         46         74         46         74         30036         M         77         122         30037         M         187         30038         M         55         56         50         50         50         50         50         50         50  | <del> </del>  | · · · · · · · · · · · · · · · · · · · |      |             |              |              |
| 30028         L         1570         2300         2235           30029         L         1970         1950           30030         M         46         46           30031         M         1620         3003           30032         M         458         281         285           30033         M         458         281         285           30034         M         46         74         43003           30035         M         46         74         44           30036         M         77         122         30037         M         187           30037         M         187         30038         M         55         56         56           30039         O         30040         P         128         9         128         9         128         9         128         9         144         1250         147         148         144         1250         144         144         1250         144         144         1250         144         144         1250         144         144         1250         144         144         1250         144         144         144   |               |                                       |      |             | 262          |              |
| 30029         L         1970         1950           30030         M         46         46           30031         M         1820         46           30032         M         522         473           30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187           30038         M         55         56           30039         O         3004         P         128           30040         P         128         305         147           30041         P         306         147         304           30043         P         1480         305         147           30045         P         1280         304         1250           30047         P         4380         1850         1050           30049         P         2990         2680         3004           30050         P         167         100         40 <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td>2235</td></td<>   |               |                                       |      |             | -            | 2235         |
| 30030         M         1620           30031         M         1620           30032         M         522         473           30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187           30038         M         55         56           30039         O         3040         P         128           30040         P         128         305         147           30041         P         305         147         3043           30043         P         1480         305         147           30044         P         1280         3044         1250           30045         P         1280         1050         3044           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         3004         40           30051   |               |                                       |      |             |              |              |
| 30031         M         1620         473           30032         M         458         281         285           30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187         3003           30038         M         55         56           30039         O         3040         P         128           30040         P         128         305         147           30041         P         1280         305         147           30042         P         1280         305         147           30043         P         1480         3004         1250           30045         P         1280         3004         1250           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         3004         40           30050         P   | $\overline{}$ |                                       |      |             | <del> </del> |              |
| 30032         M         458         281         285           30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187         30038           30038         M         55         56           30040         P         128         30040           30041         P         128         305         147           30042         P         1280         305         147           30043         P         1480         3004         3004         P         1280           30045         P         1280         3004         1250         3004         3004         3004         1250         3004  |               |                                       | 1820 |             |              |              |
| 30033         M         458         281         285           30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187           30038         M         55         56           30039         O         30040         P         128           30041         P         128         305         147           30042         P         1480         305         147           30043         P         1480         3004         1250           30045         P         1280         3004         1250           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         3004         3004           30049         P         2990         2680         3005           30050         P         167         100         40           30051         P         1640         3220         2535         2260           300   |               |                                       |      | 522         | 473          |              |
| 30034         M         236         106           30035         M         46         74           30036         M         77         122           30037         M         187           30038         M         55         56           30039         O         30040         P           30041         P         128         305         147           30042         P         1480         305         147           30043         P         1480         3004         1440         1250           30045         P         1280         3004         1250         3004         3   |               | М                                     | 458  | <del></del> |              |              |
| 30035         M         46         74           30036         M         77         122           30037         M         187           30038         M         55         56           30039         O         O         O           30040         P         128         O           30041         P         128         O           30042         P         1480         O           30043         P         1480         O           30045         P         1280         O           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         O         O           30050         P         167         100         40         O           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170         O           30054         P         1990         980         O   |               | M                                     |      |             | <del></del>  |              |
| 30036         M         77         122           30037         M         187            30038         M         55         56           30039         O             30040         P         128            30041         P         128            30042         P         305         147           30043         P         1480            30045         P         1280            30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330             30049         P         2990         2680            30050         P         167         100         40            30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170            30054         P </td <td>30035</td> <td>М</td> <td></td> <td>46</td> <td>74</td> <td></td>  | 30035         | М                                     |      | 46          | 74           |              |
| 30038         M         55         56           30039         O         O         O           30040         P         128         O           30041         P         128         O           30042         P         1480         O           30043         P         1480         O           30045         P         1280         O           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         O         0           30049         P         2990         2680         O           30050         P         167         100         40           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170         0           30054         P         1990         980         0           30055         P         162         246           30056         P         162 </td <td>30036</td> <td>М</td> <td></td> <td>77</td> <td>122</td> <td></td>  | 30036         | М                                     |      | 77          | 122          |              |
| 30039         O         128           30040         P         128           30041         P         128           30042         P         305         147           30043         P         1480         305         147           30045         P         1280         304         1250         304         304         1250         304         304         1250         304         304         305         1050         304         304         3050 <td< td=""><td>30037</td><td>M</td><td></td><td>187</td><td></td><td></td></td<>   | 30037         | M                                     |      | 187         |              |              |
| 30040         P         128           30041         P         305         147           30042         P         305         147           30043         P         1480   | 30038         | М                                     |      | 55          | 56           |              |
| 30041         P         305         147           30042         P         305         147           30043         P         1480         305         147           30045         P         1280         304         1250         304           30046         P         2990         1440         1250         304         1050         304         304         3050         9         3050         9         3050         9         2990         2680         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         9         3050         3050         3050         9         3050         3050         3050         3050         3050         3050         9         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3050         3  | 30039         | 0                                     |      |             |              |              |
| 30042         P         305         147           30043         P         1480         1480           30045         P         1280         1280           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         1050         1050           30048         P         2990         2680         2680           30050         P         167         100         40           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170<  | 30040         | Р                                     | 128  |             |              |              |
| 30043         P         1480           30045         P         1280           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330   | 30041         |                                       |      |             |              |              |
| 30045         P         1280           30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330  | 30042         |                                       |      | 305         | 147          |              |
| 30046         P         2990         1440         1250           30047         P         4380         1850         1050           30048         P         6330         2990         2680           30050         P         167         100         40           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170           30054         P         1990         980           30055         P         192         225           30056         P         162         246           30057         P         4400         3880         3560           30058         P         2870         1740           30059         P         633         236           30060         O         630         3061           30061         P         583         222           30062         P         222         3063           30064         P         316         275         215           30065         P  |               |                                       |      |             | <b> </b>     |              |
| 30047         P         4380         1850         1050           30048         P         6330         6300 </td <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td></td>  |               |                                       |      |             | ļ            |              |
| 30048         P         6330         630         630         630  |               |                                       |      |             |              |              |
| 30049         P         2990         2680           30050         P         167         100         40           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170           30054         P         1990         980           30055         P         192         225           30056         P         162         246           30057         P         4400         3880         3560           30058         P         2870         1740           30059         P         633         236           30060         O         630         3061           30061         P         583         222           30062         P         222         23063           30064         P         316         275         215           30065         P         28         28  |               |                                       | -    | 1850        | 1050         |              |
| 30050         P         167         100         40           30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170           30054         P         1990         980           30055         P         192         225           30056         P         162         246           30057         P         4400         3880         3560           30058         P         2870         1740           30059         P         633         236           30060         O         630           30061         P         583           30062         P         222           30063         P         222           30064         P         316         275         215           30065         P         28  |               |                                       | 5330 | 2002        | 2690         |              |
| 30051         P         1640         3220         2535         2260           30052         P         1700         4090         3220         3990           30053         P         143         170         170           30054         P         1990         980         190<  |               |                                       | 167  |             |              |              |
| 30052         P         1700         4090         3220         3990           30053         P         143         170           30054         P         1990         980           30055         P         192         225           30056         P         162         246           30057         P         4400         3880         3560           30058         P         2870         1740           30059         P         633         236           30060         O         630         3061           30061         P         583         3062           30062         P         222         3063           30064         P         316         275         215           30065         P         28  |               |                                       |      |             |              | 2260         |
| 30053     P     143     170       30054     P     1990     980       30055     P     192     225       30056     P     162     246       30057     P     4400     3880     3560       30058     P     2870     1740       30059     P     633     236       30060     O     630       30061     P     583       30062     P     222       30063     P     222       30064     P     316     275     215       30065     P     28   |               |                                       |      |             |              |              |
| 30054     P     1990     980       30055     P     192     225       30056     P     162     246       30057     P     4400     3880     3560       30058     P     2870     1740       30059     P     633     236       30060     O     630       30061     P     583       30062     P     222       30063     P     222       30064     P     316     275     215       30065     P     28   |               |                                       |      |             |              |              |
| 30055     P     192     225       30056     P     162     246       30057     P     4400     3880     3560       30058     P     2870     1740       30059     P     633     236       30060     O     630     3061       30061     P     583     222       30062     P     222     222       30063     P     316     275     215       30065     P     28   |               |                                       |      |             |              |              |
| 30056     P     162     246       30057     P     4400     3880     3560       30058     P     2870     1740       30059     P     633     236       30060     O     630     306       30061     P     583     222       30062     P     222     222       30063     P     316     275     215       30065     P     28  |               |                                       |      |             | <b></b>      |              |
| 30057         P         4400         3880         3560           30058         P         2870         1740           30059         P         633         236           30060         O         630         3061           30061         P         583         222           30062         P         222         23063           30063         P         225         215           30064         P         316         275         215           30065         P         28   |               | Р                                     |      |             |              |              |
| 30059     P     633     236       30060     O     630       30061     P     583       30062     P     222       30063     P     275       30064     P     316     275       30065     P     28   |               | Р                                     |      |             |              | 3560         |
| 30060     O     630       30061     P     583       30062     P     222       30063     P     275       30064     P     316     275       30065     P     28   |               | Р                                     |      | 2870        | 1740         |              |
| 30061     P     583       30062     P     222       30063     P     275       30064     P     316     275       30065     P     28   | 30059         | Р                                     |      | 633         | 236          |              |
| 30062     P     222       30063     P     275       30064     P     316     275     215       30065     P     28   | 30060         |                                       |      |             | 630          |              |
| 30063 P 215<br>30064 P 316 275 215<br>30065 P 28   |               |                                       | 583  |             | 1            |              |
| 30064 P 316 275 215<br>30065 P 28  |               |                                       |      |             | 222          |              |
| 30065 P 28   |               |                                       |      |             |              |              |
|  |               |                                       | 316  | 275         |              |              |
|  |               | <u> </u>                              | L    | l           | 28           |              |

| P=Production   |  |
|--|--|
| M=Maintenance  |  |
| L=Laboratonan  |  |
| O=Other (Administration, Technology Personnel or Outside |  |
| Designated Exposure Groups)                              |  |

#### All Production Group Oct 2009 Sample Result Statistics

| Number of Samples | 3    |
|-------------------|------|
| Average (ppb)     | 3270 |
| Median (ppb)      | 3560 |
| Max (ppb)         | 3990 |
| Mın (ppb)         | 2260 |
| Std Dev (ppb)     | 901  |

All Laboratory Group Oct. 2009 Sample Result Statistics

| Number of Samples | 1    |
|-------------------|------|
| Average (ppb)     | 2235 |
| Median (ppb)      | 2235 |
| Max (ppb)         | 2235 |
| Mın (ppb)         | 2235 |
| Std Dev (ppb)     | N/A  |

Results rounded to the nearest whole number Results are expressed in parts per billion (ppb)

### DuPont Company Performance Elastomers Chambers Works Deepwater, NJ

#### Serum Perfluorooctanoate Anion (PFOA) Results - Production Group

|   |                              |   |   | · · · · · · · · · · · · · · · · · · ·             |  |
|---|------------------------------|---|---|---|--|
| Sample ID<br>Number                         | Current<br>Exposure<br>Group | Results for<br>Samples<br>Collected<br>March 2006 | Results for<br>Samples<br>Collected<br>Sept/Oct<br>2007 | Results for<br>Samples<br>Collected<br>March 2009 | Results for<br>Samples<br>Collected<br>Oct. 2009 |
| 30040                                       | Р                            | 128   |   |   |  |
| 30041                                       | Р                            |   |   |   |  |
| 30042                                       | Р                            |   | 305   | 147   |  |
| 30043                                       | Р                            | 1480  |   |   |  |
| 30045                                       | Р                            | 1280  |   |   |  |
| 30046                                       | Р                            | 2990  | 1440  | 1250  |  |
| 30047                                       | P                            | 4380  | 1850  | 1050  |  |
| 30048                                       | Р                            | 6330  |   |   |  |
| 30049                                       | Р                            |   | 2990  | 2680  |  |
| 30050                                       | Р                            | 167   | 100   | 40  |  |
| 30051                                       | Р                            | 1640  | 3220  | 2535  | 2260   |
| 30052                                       | P                            | 1700  | 4090  | 3220  | 3990   |
| 30053                                       | Р                            |   | 143   | 170   |  |
| 30054                                       | Р                            |   | 1990  | 980   |  |
| 30055                                       | P                            |   | 192   | 225   |  |
| 30056                                       | P                            |   | 162   | 246   |  |
| 30057                                       | Р                            |   | 4400  | 3880  | 3560   |
| 30058                                       | Р                            |   | 2870  | 1740  |  |
| 30059                                       | Р                            |   | 633   | 236   |  |
| 30061                                       | Р                            | 583   |   |   |  |
| 30062                                       | Р                            |   |   | 222   |  |
| 30063                                       | Р                            |   |   |   |  |
| 30064                                       | Р                            | 316   | 275   | 215   |  |
| 30065                                       | Р                            |   |   | 28  |  |
|   |                              |   |   |   |  |
| Numb  | er of Samples                | 11  | 15  | 17  | 3  |
| ,   | Average (ppb)                |   | 1644  | 1110  | 3270   |
|   | Median (ppb)                 | 1480  | 1440  | 246   | 3560   |
|   | Max (ppb)                    | 6330  | 4400  | 3880  | 3990   |
|   | Min (ppb)                    | 128   | 100   | 28  | 2260   |
|   | Std Dev (ppb)                | 1950  | 1540  | 1252  | 901  |
| Results rounded to the nearest whole number |                              |   |   |   |  |

Results rounded to the nearest whole number.

Results are expressed in parts per billion (ppb).

#### DuPont Company Performance Elastomers Chambers Works Deepwater, NJ

#### Serum Perfluorooctanoate Anion (PFOA) Results - Laboratorian Group

| Sample ID<br>Number | Current<br>Exposure<br>Group | Results for<br>Samples<br>Collected<br>March 2006 | Results for<br>Samples<br>Collected<br>Sept/Oct<br>2007 | Results for<br>Samples<br>Collected<br>March 2009 | Results for<br>Samples<br>Collected<br>Oct. 2009 |
|---------------------|------------------------------|---|---|---|--|
| 30022               | L                            |   | 1610  |   |  |
| 30023               | L                            |   | 624   | 553   |  |
| 30024               | L                            |   | 1600  | 119   |  |
| 30025               | L                            |   | 1215  | 881   |  |
| 30026               | L                            |   | 1585  |   |  |
| 30027               | L                            |   | 399   | 262   |  |
| 30028               | L                            |   | 1570  | 2300  | 2235   |
| 30029               | L                            |   | 1970  | 1950  |  |
|                     |                              |   |   |   |  |
| Number of Samples   |                              |   | 8   | 6   | 1  |
| Average (ppb)       |                              |   | 1322  | 1011  | 2235   |
| Median (ppb)        |                              | 1578  | 717   | 2235  |  |
| Max (ppb)           |                              | 1970  | 2300  | 2235  |  |
| Min (ppb)           |                              |   | 399   | 119   | 2235   |
|                     | Std Dev (ppb)                |   | 543   | 908   | N/A  |

Results rounded to the nearest whole number.

Results are expressed in parts per billion (ppb).