

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042522\  
 Data File : BG053311.D  
 Acq On : 25 Apr 2022 16:44  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 SSTDCCC040EC

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Christian Giraldo 04/26/2022  
 Supervised By :Jagrut Upadhyay 04/26/2022

Quant Time: Apr 25 17:24:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 2022  
 Response via : Initial Calibration

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4          | 8.107  | 152  | 27634    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8                 | 10.921 | 136  | 116396   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10               | 14.734 | 164  | 92627    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10               | 17.477 | 188  | 219631   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12                   | 21.760 | 240  | 207826   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12                   | 25.055 | 264  | 212073   | 20.000 | ng    | 0.00     |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |
| 5) 2-Fluorophenol                  | 5.670  | 112  | 139918   | 86.793 | ng    | 0.00     |
| 7) Phenol-d6                       | 7.267  | 99   | 220217   | 88.583 | ng    | 0.00     |
| 23) Nitrobenzene-d5                | 9.271  | 82   | 234204   | 81.699 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol           | 16.220 | 330  | 123496   | 83.802 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl               | 13.353 | 172  | 541053   | 80.545 | ng    | 0.00     |
| 79) Terphenyl-d14                  | 20.079 | 244  | 1011698  | 82.216 | ng    | 0.00     |

| Target Compounds              | R.T.   | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|--------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                | 3.549  | 88   | 30380    | 39.462 | ng    | # 93   |
| 3) Pyridine                   | 3.954  | 79   | 87434    | 43.061 | ng    | # 90   |
| 4) n-Nitrosodimethylamine     | 3.860  | 42   | 40440    | 40.219 | ng    | 86     |
| 6) Aniline                    | 7.426  | 93   | 127863   | 44.380 | ng    | 98     |
| 8) 2-Chlorophenol             | 7.673  | 128  | 76342    | 43.865 | ng    | 94     |
| 9) Benzaldehyde               | 7.238  | 77   | 61363m   | 41.294 | ng    |        |
| 10) Phenol                    | 7.297  | 94   | 110577   | 44.686 | ng    | 93     |
| 11) bis(2-Chloroethyl)ether   | 7.520  | 93   | 78017    | 43.737 | ng    | 91     |
| 12) 1,3-Dichlorobenzene       | 8.002  | 146  | 84984    | 42.022 | ng    | 97     |
| 13) 1,4-Dichlorobenzene       | 8.143  | 146  | 86909    | 42.153 | ng    | 92     |
| 14) 1,2-Dichlorobenzene       | 8.466  | 146  | 85074    | 42.790 | ng    | 95     |
| 15) Benzyl Alcohol            | 8.342  | 79   | 98114    | 44.402 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.630  | 45   | 125974   | 42.300 | ng    | 100    |
| 17) 2-Methylphenol            | 8.548  | 107  | 74429    | 44.448 | ng    | 96     |
| 18) Hexachloroethane          | 9.194  | 117  | 31819    | 41.155 | ng    | 95     |
| 19) n-Nitroso-di-n-propyla... | 8.906  | 70   | 80652    | 44.314 | ng    | 97     |
| 20) 3+4-Methylphenols         | 8.877  | 107  | 106134   | 44.898 | ng    | 92     |
| 22) Acetophenone              | 8.930  | 105  | 137144   | 42.471 | ng    | # 96   |
| 24) Nitrobenzene              | 9.312  | 77   | 113466   | 40.693 | ng    | 91     |
| 25) Isophorone                | 9.835  | 82   | 209937   | 43.086 | ng    | 100    |
| 26) 2-Nitrophenol             | 10.022 | 139  | 49401    | 42.369 | ng    | # 88   |
| 27) 2,4-Dimethylphenol        | 10.081 | 122  | 70319    | 42.111 | ng    | 90     |
| 28) bis(2-Chloroethoxy)met... | 10.310 | 93   | 113125   | 41.326 | ng    | 99     |
| 29) 2,4-Dichlorophenol        | 10.569 | 162  | 89014    | 42.403 | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene    | 10.780 | 180  | 98351    | 41.395 | ng    | 95     |
| 31) Naphthalene               | 10.968 | 128  | 261290   | 42.076 | ng    | 99     |
| 32) Benzoic acid              | 10.240 | 122  | 44573    | 41.543 | ng    | # 82   |
| 33) 4-Chloroaniline           | 11.074 | 127  | 113222   | 42.575 | ng    | 97     |
| 34) Hexachlorobutadiene       | 11.256 | 225  | 71713    | 40.633 | ng    | 99     |
| 35) Caprolactam               | 11.849 | 113  | 33118    | 44.757 | ng    | 89     |
| 36) 4-Chloro-3-methylphenol   | 12.196 | 107  | 106803   | 43.701 | ng    | 98     |
| 37) 2-Methylnaphthalene       | 12.566 | 142  | 194071   | 42.235 | ng    | 96     |
| 38) 1-Methylnaphthalene       | 12.783 | 142  | 191177m  | 42.623 | ng    |        |
| 40) 1,2,4,5-Tetrachloroben... | 12.936 | 216  | 124993   | 39.731 | ng    | 99     |
| 41) Hexachlorocyclopentadiene | 12.913 | 237  | 60408    | 37.197 | ng    | 98     |
| 43) 2,4,6-Trichlorophenol     | 13.171 | 196  | 87695    | 40.431 | ng    | 96     |

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|-------------------------------|--------|------|----------|--------|-------|----------|------------|
| 44) 2,4,5-Trichlorophenol     | 13.253 | 196  | 94502    | 40.886 | ng    | 99       |            |
| 46) 1,1'-Biphenyl             | 13.565 | 154  | 270881   | 40.609 | ng    | 98       |            |
| 47) 2-Chloronaphthalene       | 13.612 | 162  | 211775   | 39.794 | ng    | 95       |            |
| 48) 2-Nitroaniline            | 13.811 | 65   | 82215    | 40.708 | ng    | 98       |            |
| 49) Acenaphthylene            | 14.458 | 152  | 348017   | 41.775 | ng    | 99       |            |
| 50) Dimethylphthalate         | 14.176 | 163  | 302306   | 40.804 | ng    | 100      |            |
| 51) 2,6-Dinitrotoluene        | 14.299 | 165  | 62966    | 40.739 | ng    | #        | 84         |
| 52) Acenaphthene              | 14.792 | 154  | 233317m  | 41.299 | ng    |          | 04/26/2022 |
| 53) 3-Nitroaniline            | 14.634 | 138  | 68326    | 41.807 | ng    | 98       |            |
| 54) 2,4-Dinitrophenol         | 14.845 | 184  | 42068    | 42.777 | ng    | #        | 90         |
| 55) Dibenzofuran              | 15.127 | 168  | 364509   | 41.205 | ng    | 99       |            |
| 56) 4-Nitrophenol             | 14.945 | 139  | 51256    | 41.122 | ng    | #        | 78         |
| 57) 2,4-Dinitrotoluene        | 15.092 | 165  | 92755    | 42.153 | ng    | 94       |            |
| 58) Fluorene                  | 15.779 | 166  | 294865   | 41.270 | ng    | 97       |            |
| 59) 2,3,4,6-Tetrachlorophenol | 15.356 | 232  | 92053    | 41.010 | ng    | 99       |            |
| 60) Diethylphthalate          | 15.533 | 149  | 309895   | 39.922 | ng    | 99       |            |
| 61) 4-Chlorophenyl-phenyle... | 15.762 | 204  | 167305   | 41.308 | ng    | 97       |            |
| 62) 4-Nitroaniline            | 15.797 | 138  | 75077    | 43.534 | ng    | 91       |            |
| 63) Azobenzene                | 16.055 | 77   | 317734   | 40.599 | ng    | 98       |            |
| 65) 4,6-Dinitro-2-methylph... | 15.856 | 198  | 67019    | 43.737 | ng    | 96       |            |
| 66) n-Nitrosodiphenylamine    | 15.979 | 169  | 265553   | 42.045 | ng    | 97       |            |
| 67) 4-Bromophenyl-phenylether | 16.661 | 248  | 117956   | 41.914 | ng    | 99       |            |
| 68) Hexachlorobenzene         | 16.790 | 284  | 126621   | 41.546 | ng    | 97       |            |
| 69) Atrazine                  | 16.919 | 200  | 98208    | 39.807 | ng    | 97       |            |
| 70) Pentachlorophenol         | 17.131 | 266  | 68924    | 41.380 | ng    | #        | 86         |
| 71) Phenanthrene              | 17.518 | 178  | 498505   | 41.554 | ng    | 98       |            |
| 72) Anthracene                | 17.612 | 178  | 493005   | 41.481 | ng    | 98       |            |
| 73) Carbazole                 | 17.877 | 167  | 481425   | 41.671 | ng    | 97       |            |
| 74) Di-n-butylphthalate       | 18.423 | 149  | 535062   | 40.836 | ng    | 99       |            |
| 75) Fluoranthene              | 19.527 | 202  | 615787   | 40.044 | ng    | 99       |            |
| 77) Benzidine                 | 19.698 | 184  | 219206   | 36.968 | ng    | 99       |            |
| 78) Pyrene                    | 19.886 | 202  | 606796   | 40.996 | ng    | 99       |            |
| 80) Butylbenzylphthalate      | 20.761 | 149  | 227033   | 41.143 | ng    | 99       |            |
| 81) Benzo(a)anthracene        | 21.742 | 228  | 576091   | 40.542 | ng    | 98       |            |
| 82) 3,3'-Dichlorobenzidine    | 21.648 | 252  | 210120   | 40.208 | ng    | 98       |            |
| 83) Chrysene                  | 21.807 | 228  | 536873   | 40.710 | ng    | 99       |            |
| 84) Bis(2-ethylhexyl)phtha... | 21.630 | 149  | 307561   | 41.234 | ng    | 100      |            |
| 85) Di-n-octyl phthalate      | 22.864 | 149  | 507748   | 40.702 | ng    | #        | 94         |
| 87) Indeno(1,2,3-cd)pyrene    | 28.838 | 276  | 643623   | 40.850 | ng    | #        | 98         |
| 88) Benzo(b)fluoranthene      | 24.009 | 252  | 544465   | 40.691 | ng    | 98       |            |
| 89) Benzo(k)fluoranthene      | 24.074 | 252  | 531917   | 40.448 | ng    | 99       |            |
| 90) Benzo(a)pyrene            | 24.902 | 252  | 460895   | 40.433 | ng    | 98       |            |
| 91) Dibenzo(a,h)anthracene    | 28.897 | 278  | 530355   | 40.898 | ng    | 98       |            |
| 92) Benzo(g,h,i)perylene      | 30.025 | 276  | 520710   | 40.739 | ng    | 98       |            |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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