

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010623\  
 Data File : BF131935.D  
 Acq On : 06 Jan 2023 11:23  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jan 07 00:18:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 23:58:27 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/09/2023  
 Supervised By :mohammad ahmed 01/09/2023

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 ahmed

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 60211    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.092  | 136  | 222077   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.851  | 164  | 129646   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 247658   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 130721   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 124384   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 283557   | 78.045 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 384404   | 80.530 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 417496   | 75.059 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 99889    | 70.913 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 713112   | 75.341 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 704807   | 91.201 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.463  | 88   | 65062    | 38.616 | ng    | 99       |
| 3) Pyridine                   | 3.199  | 79   | 189228   | 39.951 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.163  | 42   | 89753    | 40.300 | ng    | 98       |
| 6) Aniline                    | 6.463  | 93   | 235642   | 40.705 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 151240   | 39.511 | ng    | 92       |
| 9) Benzaldehyde               | 6.351  | 77   | 116835   | 38.146 | ng    | 99       |
| 10) Phenol                    | 6.451  | 94   | 231471   | 40.720 | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 157333   | 38.705 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 170659   | 39.013 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 173810   | 39.426 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 161281   | 38.935 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 175381   | 41.898 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 198601   | 38.285 | ng    | 95       |
| 17) 2-Methylphenol            | 7.063  | 107  | 141260   | 40.367 | ng    | 99       |
| 18) Hexachloroethane          | 7.310  | 117  | 68917    | 38.714 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 132572   | 39.325 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 187167   | 40.992 | ng    | 99       |
| 22) Acetophenone              | 7.216  | 105  | 246186   | 37.813 | ng    | 99       |
| 24) Nitrobenzene              | 7.392  | 77   | 214993   | 38.568 | ng    | 99       |
| 25) Isophorone                | 7.628  | 82   | 337033   | 37.103 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 82622    | 38.121 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 120647   | 39.025 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 177643   | 36.453 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 143614   | 38.557 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 164611   | 37.275 | ng    | 99       |
| 31) Naphthalene               | 8.110  | 128  | 462174   | 38.001 | ng    | 100      |
| 32) Benzoic acid              | 7.881  | 122  | 78669    | 34.815 | ng    | 91       |
| 33) 4-Chloroaniline           | 8.163  | 127  | 181422   | 38.877 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 110155   | 36.459 | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 41687    | 37.802 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 165328   | 39.274 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.804  | 142  | 305118   | 37.380 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.904  | 142  | 296460   | 37.391 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.969  | 216  | 167852   | 36.873 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 70727    | 38.070 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.086  | 196  | 108435   | 37.192 | ng    | 100      |

01/09/2023

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BNA\_F

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SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 01/09/2023  
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Quant Time: Jan 07 00:18:56 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jan 06 23:58:27 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|--------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 116938   | 37.104 | ng    | 98       |    |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 371442   | 37.422 | ng    | 100      |    |
| 47) 2-Chloronaphthalene       | 9.298  | 162  | 309010   | 37.631 | ng    | 99       |    |
| 48) 2-Nitroaniline            | 9.398  | 65   | 116069   | 38.562 | ng    | 94       |    |
| 49) Acenaphthylene            | 9.716  | 152  | 463679   | 37.921 | ng    | 100      |    |
| 50) Dimethylphthalate         | 9.581  | 163  | 363754   | 37.087 | ng    | 99       |    |
| 51) 2,6-Dinitrotoluene        | 9.645  | 165  | 79389    | 37.391 | ng    | 95       |    |
| 52) Acenaphthene              | 9.886  | 154  | 275524   | 37.336 | ng    | 100      |    |
| 53) 3-Nitroaniline            | 9.816  | 138  | 82784    | 38.265 | ng    | 98       |    |
| 54) 2,4-Dinitrophenol         | 9.928  | 184  | 52287    | 42.793 | ng    | #        | 85 |
| 55) Dibenzofuran              | 10.057 | 168  | 430091   | 37.828 | ng    | 97       |    |
| 56) 4-Nitrophenol             | 9.986  | 139  | 55467    | 36.599 | ng    | 98       |    |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 107532   | 37.033 | ng    | 94       |    |
| 58) Fluorene                  | 10.404 | 166  | 344411   | 37.106 | ng    | 98       |    |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232  | 92483m   | 35.759 | ng    |          |    |
| 60) Diethylphthalate          | 10.275 | 149  | 334425   | 35.426 | ng    | 98       |    |
| 61) 4-Chlorophenyl-phenyle... | 10.392 | 204  | 177566   | 36.800 | ng    | 97       |    |
| 62) 4-Nitroaniline            | 10.433 | 138  | 82827    | 36.736 | ng    | 95       |    |
| 63) Azobenzene                | 10.557 | 77   | 381278   | 36.393 | ng    | 98       |    |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 62697    | 37.182 | ng    | 98       |    |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 286135   | 37.875 | ng    | 100      |    |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 106477   | 37.095 | ng    | 96       |    |
| 68) Hexachlorobenzene         | 10.951 | 284  | 119084   | 37.767 | ng    | #        | 90 |
| 69) Atrazine                  | 11.045 | 200  | 92708    | 37.275 | ng    | 96       |    |
| 70) Pentachlorophenol         | 11.151 | 266  | 55556    | 35.607 | ng    | 99       |    |
| 71) Phenanthrene              | 11.369 | 178  | 503384   | 36.962 | ng    | 100      |    |
| 72) Anthracene                | 11.422 | 178  | 486447   | 36.513 | ng    | 99       |    |
| 73) Carbazole                 | 11.580 | 167  | 425925   | 36.213 | ng    | 99       |    |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 475849   | 33.472 | ng    | 99       |    |
| 75) Fluoranthene              | 12.563 | 202  | 529095   | 33.353 | ng    | 99       |    |
| 77) Benzidine                 | 12.686 | 184  | 63012    | 29.332 | ng    | 98       |    |
| 78) Pyrene                    | 12.792 | 202  | 534135   | 48.750 | ng    | 99       |    |
| 80) Butylbenzylphthalate      | 13.416 | 149  | 154654   | 38.056 | ng    | 99       |    |
| 81) Benzo(a)anthracene        | 13.986 | 228  | 365916   | 38.662 | ng    | 99       |    |
| 82) 3,3'-Dichlorobenzidine    | 13.951 | 252  | 98155    | 35.881 | ng    | 98       |    |
| 83) Chrysene                  | 14.027 | 228  | 353334   | 39.728 | ng    | 99       |    |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 160107   | 32.357 | ng    | 97       |    |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 242454   | 36.399 | ng    | 100      |    |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 360455   | 45.614 | ng    | 100      |    |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 311436   | 34.147 | ng    | 99       |    |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 296034   | 33.594 | ng    | 99       |    |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 254641   | 36.063 | ng    | 99       |    |
| 91) Dibenzo(a,h)anthracene    | 16.962 | 278  | 299866   | 46.327 | ng    | 99       |    |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 301757   | 40.353 | ng    | 97       |    |

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

