

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100520\  
 Data File : BP003506.D  
 Acq On : 06 Oct 2020 01:53  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 10/6/2020 3:22:55 PM

Quant Time: Oct 06 04:22:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 05 14:33:14 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.499  | 152  | 129619   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.275 | 136  | 499012   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.163 | 164  | 305114   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.916 | 188  | 674372   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.027 | 240  | 669586   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.192 | 264  | 668921   | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.111  | 112  | 646630   | 87.11 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.710  | 99   | 866535   | 87.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.657  | 82   | 758833   | 89.34 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.669 | 330  | 335479   | 72.09 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.775 | 172  | 1568726  | 75.20 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.504 | 244  | 2598898  | 80.87 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.005  | 88   | 141017   | 46.23 | ng    | 99       |
| 3) Pyridine                   | 3.399  | 79   | 390118   | 48.03 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 114343   | 47.06 | ng    | 95       |
| 6) Aniline                    | 6.834  | 93   | 492945   | 43.39 | ng    | 92       |
| 8) 2-Chlorophenol             | 7.075  | 128  | 332650   | 40.24 | ng    | 88       |
| 9) Benzaldehyde               | 6.646  | 77   | 229572   | 41.61 | ng    | 83       |
| 10) Phenol                    | 6.734  | 94   | 416750   | 44.10 | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.934  | 93   | 324606   | 43.34 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.387  | 146  | 392361   | 39.69 | ng    | # 93     |
| 13) 1,4-Dichlorobenzene       | 7.534  | 146  | 395230   | 39.53 | ng    | # 95     |
| 14) 1,2-Dichlorobenzene       | 7.846  | 146  | 370470   | 38.60 | ng    | 95       |
| 15) Benzyl Alcohol            | 7.752  | 79   | 303137   | 46.10 | ng    | # 88     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.034  | 45   | 263944   | 48.47 | ng    | 92       |
| 17) 2-Methylphenol            | 7.969  | 107  | 285657   | 41.80 | ng    | # 94     |
| 18) Hexachloroethane          | 8.563  | 117  | 151802   | 40.74 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.310  | 70   | 206826   | 39.02 | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.299  | 107  | 366596   | 40.31 | ng    | 92       |
| 22) Acetophenone              | 8.322  | 105  | 445171   | 36.33 | ng    | # 92     |
| 24) Nitrobenzene              | 8.699  | 77   | 385001   | 45.30 | ng    | # 84     |
| 25) Isophorone                | 9.222  | 82   | 681701   | 43.79 | ng    | # 91     |
| 26) 2-Nitrophenol             | 9.404  | 139  | 181587   | 39.12 | ng    | # 75     |
| 27) 2,4-Dimethylphenol        | 9.487  | 122  | 262345   | 39.96 | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 9.704  | 93   | 446245   | 43.07 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 9.951  | 162  | 316012   | 38.52 | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.151 | 180  | 360144   | 37.00 | ng    | 98       |
| 31) Naphthalene               | 10.328 | 128  | 1031842  | 39.14 | ng    | 100      |
| 32) Benzoic acid              | 9.716  | 122  | 89488    | 24.57 | ng    | # 79     |
| 33) 4-Chloroaniline           | 10.446 | 127  | 447392   | 39.95 | ng    | # 92     |
| 34) Hexachlorobutadiene       | 10.622 | 225  | 238418   | 35.89 | ng    | 99       |
| 35) Caprolactam               | 11.234 | 113  | 111815   | 40.85 | ng    | 81       |
| 36) 4-Chloro-3-methylphenol   | 11.610 | 107  | 357336   | 40.40 | ng    | 86       |
| 37) 2-Methylnaphthalene       | 11.951 | 142  | 722202   | 37.82 | ng    | # 96     |
| 38) 1-Methylnaphthalene       | 12.175 | 142  | 685423m  | 37.80 | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.340 | 216  | 379616   | 38.00 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.316 | 237  | 51144    | 25.30 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.592 | 196  | 249356   | 38.61 | ng    | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.681 | 196  | 257095   | 38.69 | ng    | #        | 93  |
| 46) 1,1'-Biphenyl             | 12.987 | 154  | 904431   | 39.74 | ng    |          | 98  |
| 47) 2-Chloronaphthalene       | 13.028 | 162  | 743808   | 39.47 | ng    |          | 95  |
| 48) 2-Nitroaniline            | 13.245 | 65   | 235426   | 49.37 | ng    | #        | 72  |
| 49) Acenaphthylene            | 13.881 | 152  | 1136784  | 39.48 | ng    |          | 99  |
| 50) Dimethylphthalate         | 13.634 | 163  | 942703   | 38.69 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 13.751 | 165  | 204538   | 39.17 | ng    | #        | 70  |
| 52) Acenaphthene              | 14.228 | 154  | 687223   | 39.22 | ng    |          | 99  |
| 53) 3-Nitroaniline            | 14.087 | 138  | 239616   | 42.34 | ng    | #        | 77  |
| 54) 2,4-Dinitrophenol         | 14.328 | 184  | 56222    | 27.94 | ng    | #        | 77  |
| 55) Dibenzofuran              | 14.563 | 168  | 1057212  | 37.80 | ng    |          | 93  |
| 56) 4-Nitrophenol             | 14.445 | 139  | 183083   | 52.93 | ng    | #        | 67  |
| 57) 2,4-Dinitrotoluene        | 14.557 | 165  | 283233   | 39.10 | ng    | #        | 59  |
| 58) Fluorene                  | 15.216 | 166  | 810715   | 36.70 | ng    |          | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.810 | 232  | 225961m  | 36.17 | ng    |          |     |
| 60) Diethylphthalate          | 15.004 | 149  | 978591   | 39.38 | ng    |          | 99  |
| 61) 4-Chlorophenyl-phenyle... | 15.216 | 204  | 432211   | 35.84 | ng    |          | 97  |
| 62) 4-Nitroaniline            | 15.257 | 138  | 246143   | 40.98 | ng    | #        | 68  |
| 63) Azobenzene                | 15.510 | 77   | 890081   | 46.98 | ng    |          | 89  |
| 65) 4,6-Dinitro-2-methylph... | 15.339 | 198  | 93290    | 26.22 | ng    |          | 89  |
| 66) n-Nitrosodiphenylamine    | 15.434 | 169  | 771294   | 38.94 | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 16.110 | 248  | 304835   | 37.40 | ng    |          | 94  |
| 68) Hexachlorobenzene         | 16.239 | 284  | 352834   | 36.43 | ng    |          | 95  |
| 69) Atrazine                  | 16.398 | 200  | 288562   | 37.14 | ng    |          | 98  |
| 70) Pentachlorophenol         | 16.592 | 266  | 254740   | 62.87 | ng    |          | 99  |
| 71) Phenanthrene              | 16.963 | 178  | 1415109  | 38.57 | ng    |          | 99  |
| 72) Anthracene                | 17.051 | 178  | 1390796  | 38.46 | ng    |          | 100 |
| 73) Carbazole                 | 17.328 | 167  | 1357538  | 39.52 | ng    |          | 99  |
| 74) Di-n-butylphthalate       | 17.898 | 149  | 1748808  | 39.83 | ng    | #        | 98  |
| 75) Fluoranthene              | 18.951 | 202  | 1789706  | 38.79 | ng    |          | 99  |
| 77) Benzidine                 | 19.133 | 184  | 539016   | 25.96 | ng    |          | 99  |
| 78) Pyrene                    | 19.298 | 202  | 1826208  | 43.73 | ng    |          | 100 |
| 80) Butylbenzylphthalate      | 20.180 | 149  | 897266   | 46.97 | ng    | #        | 84  |
| 81) Benzo(a)anthracene        | 21.010 | 228  | 1747970  | 40.38 | ng    |          | 100 |
| 82) 3,3'-Dichlorobenzidine    | 20.945 | 252  | 643831   | 38.49 | ng    |          | 99  |
| 83) Chrysene                  | 21.063 | 228  | 1642936  | 39.51 | ng    |          | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 20.951 | 149  | 1139036  | 42.35 | ng    |          | 100 |
| 85) Di-n-octyl phthalate      | 21.798 | 149  | 2274813  | 46.29 | ng    | #        | 97  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.404 | 276  | 1878670  | 37.05 | ng    |          | 98  |
| 88) Benzo(b)fluoranthene      | 22.545 | 252  | 1760791  | 41.68 | ng    |          | 100 |
| 89) Benzo(k)fluoranthene      | 22.592 | 252  | 1663527  | 41.09 | ng    |          | 99  |
| 90) Benzo(a)pyrene            | 23.104 | 252  | 1579555  | 39.66 | ng    |          | 99  |
| 91) Dibenzo(a,h)anthracene    | 25.409 | 278  | 1551220  | 37.08 | ng    |          | 98  |
| 92) Benzo(g,h,i)perylene      | 26.068 | 276  | 1526545  | 36.55 | ng    |          | 98  |

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



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