

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\  
 Data File : BM019164.D  
 Acq On : 14 Mar 2019 12:01  
 Operator : JU/SJ  
 Sample : K1824-01MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-24MS

Manual Integrations  
 APPROVED

Sohil  
 3/15/2019 5:51:06 PM

Quant Time: Mar 15 07:10:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 206273   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 936600   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.31 | 164  | 595205   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1402802  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.27 | 240  | 1478460  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.50 | 264  | 1302736  | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1743118 | 136.85 | ng | 0.00  |
| 7) Phenol-d6             | 6.84  | 99  | 2688101 | 144.28 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.83  | 82  | 1647926 | 83.17  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 1248098 | 142.02 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 12.92 | 172 | 3468242 | 75.79  | ng | -0.01 |
| 79) Terphenyl-d14        | 19.70 | 244 | 6203407 | 83.30  | ng | 0.00  |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 172189  | 30.389 | ng | 98     |
| 3) Pyridine                    | 3.62  | 79  | 273490  | 17.741 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.53  | 42  | 168474  | 35.155 | ng | 91     |
| 6) Aniline                     | 7.00  | 93  | 396067  | 16.466 | ng | 99     |
| 8) 2-Chlorophenol              | 7.22  | 128 | 649214  | 42.415 | ng | 98     |
| 9) Benzaldehyde                | 6.82  | 77  | 298751  | 25.494 | ng | 98     |
| 10) Phenol                     | 6.87  | 94  | 1058029 | 52.695 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 579161  | 37.802 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.54  | 146 | 583991  | 36.054 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.69  | 146 | 604421  | 36.601 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 595822  | 37.085 | ng | 98     |
| 15) Benzyl Alcohol             | 7.91  | 79  | 651019  | 42.221 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 581493  | 37.170 | ng | 98     |
| 17) 2-Methylphenol             | 8.10  | 107 | 581134  | 44.416 | ng | 99     |
| 18) Hexachloroethane           | 8.72  | 117 | 220921  | 36.002 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 597667  | 39.103 | ng | 100    |
| 20) 3+4-Methylphenols          | 8.43  | 107 | 814276  | 45.849 | ng | 99     |
| 22) Acetophenone               | 8.49  | 105 | 971418  | 37.530 | ng | # 99   |
| 24) Nitrobenzene               | 8.87  | 77  | 824312  | 40.002 | ng | 99     |
| 25) Isophorone                 | 9.39  | 82  | 1539821 | 40.728 | ng | 99     |
| 26) 2-Nitrophenol              | 9.57  | 139 | 357284  | 41.829 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 626590  | 49.344 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 913100  | 40.788 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 666773  | 47.411 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 625440  | 39.440 | ng | 99     |
| 31) Naphthalene                | 10.49 | 128 | 1949164 | 39.484 | ng | 99     |
| 32) Benzoic acid               | 9.77  | 122 | 170090  | 15.816 | ng | 98     |
| 33) 4-Chloroaniline            | 10.63 | 127 | 212940  | 10.523 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 331890  | 36.470 | ng | 99     |
| 35) Caprolactam                | 11.45 | 113 | 228802m | 45.671 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 807330  | 46.524 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 1506523 | 41.996 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 1439015 | 40.698 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 715073  | 37.980 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.44 | 237  | 755604   | 88.600 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.73 | 196  | 564638   | 46.406 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.80 | 196  | 603646   | 46.395 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 2016214  | 38.788 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.18 | 162  | 1555370  | 40.087 | ng    | 100      |
| 48) 2-Nitroaniline             | 13.41 | 65   | 575782   | 44.249 | ng    | 97       |
| 49) Acenaphthylene             | 14.03 | 152  | 2610788  | 39.796 | ng    | 100      |
| 50) Dimethylphthalate          | 13.79 | 163  | 2589958  | 50.866 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.91 | 165  | 478260   | 43.451 | ng    | 99       |
| 52) Acenaphthene               | 14.37 | 154  | 1505096  | 39.926 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.24 | 138  | 243194   | 20.861 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.46 | 184  | 464228   | 72.625 | ng    | 100      |
| 55) Dibenzofuran               | 14.72 | 168  | 2475821  | 40.725 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.56 | 139  | 841891   | 88.452 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 691082   | 43.254 | ng    | 99       |
| 58) Fluorene                   | 15.36 | 166  | 2072892  | 41.366 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 552936   | 45.650 | ng    | 99       |
| 60) Diethylphthalate           | 15.15 | 149  | 2207977  | 42.817 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 1027149  | 42.204 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.42 | 138  | 479323   | 40.800 | ng    | 99       |
| 63) Azobenzene                 | 15.66 | 77   | 2305663  | 42.490 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 348488   | 37.910 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.59 | 169  | 1833198  | 41.047 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 619454   | 40.044 | ng    | 98       |
| 68) Hexachlorobenzene          | 16.36 | 284  | 740457   | 40.261 | ng    | 98       |
| 69) Atrazine                   | 16.54 | 200  | 656044   | 43.638 | ng    | 98       |
| 70) Pentachlorophenol          | 16.72 | 266  | 923531   | 83.347 | ng    | 100      |
| 71) Phenanthrene               | 17.11 | 178  | 3258157  | 39.626 | ng    | 100      |
| 72) Anthracene                 | 17.20 | 178  | 3340588  | 41.501 | ng    | 99       |
| 73) Carbazole                  | 17.48 | 167  | 3143730  | 41.380 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 3955132  | 43.052 | ng    | 100      |
| 75) Fluoranthene               | 19.13 | 202  | 3794440  | 40.217 | ng    | 99       |
| 77) Benzidine                  | 19.34 | 184  | 343798   | 8.199  | ng    | 99       |
| 78) Pyrene                     | 19.50 | 202  | 3868613  | 41.356 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 1882832  | 46.212 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.25 | 228  | 3638726  | 39.230 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 748442   | 20.946 | ng    | 98       |
| 83) Chrysene                   | 21.30 | 228  | 3480504  | 38.787 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2788953  | 47.051 | ng    | # 98     |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 4676045  | 46.848 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 3482105  | 36.049 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 3481634  | 41.245 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.87 | 252  | 3389743  | 43.658 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 3198032  | 42.157 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.77 | 278  | 2991573  | 41.225 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.46 | 276  | 2738954  | 41.111 | ng    | 100      |

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

