

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041919\  
 Data File : BM019982.D  
 Acq On : 19 Apr 2019 19:26  
 Operator : JU/SJ  
 Sample : K2487-03MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-7MS

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 8:19:18 AM

Quant Time: Apr 20 01:02:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 148807   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.29 | 136  | 609208   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.17 | 164  | 352913   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.94 | 188  | 776954   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.16 | 240  | 783046   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.36 | 264  | 729509   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.12  | 112 | 706995  | 77.00  | ng | 0.00 |
| 7) Phenol-d6             | 6.71  | 99  | 657111  | 47.55  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.69  | 82  | 1296110 | 95.15  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.69 | 330 | 820140  | 144.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.78 | 172 | 2703814 | 95.48  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.59 | 244 | 4459967 | 100.46 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 87161   | 21.997 | ng | 99     |
| 3) Pyridine                    | 3.50  | 79  | 222909  | 20.088 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.43  | 42  | 84712   | 23.698 | ng | 91     |
| 6) Aniline                     | 6.86  | 93  | 375515  | 21.040 | ng | 100    |
| 8) 2-Chlorophenol              | 7.08  | 128 | 410733  | 35.966 | ng | 98     |
| 9) Benzaldehyde                | 6.69  | 77  | 165678  | 17.619 | ng | 98     |
| 10) Phenol                     | 6.73  | 94  | 233845  | 15.489 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.96  | 93  | 450657  | 40.796 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.39  | 146 | 386425  | 32.231 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.55  | 146 | 403816  | 33.197 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.85  | 146 | 406774  | 33.726 | ng | 99     |
| 15) Benzyl Alcohol             | 7.77  | 79  | 388155  | 30.898 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.04  | 45  | 410988  | 39.029 | ng | 99     |
| 17) 2-Methylphenol             | 7.97  | 107 | 305366  | 30.560 | ng | 98     |
| 18) Hexachloroethane           | 8.55  | 117 | 137495  | 29.079 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.32  | 70  | 454232  | 37.394 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.30  | 107 | 376308  | 27.415 | ng | 100    |
| 22) Acetophenone               | 8.35  | 105 | 771219  | 46.479 | ng | 99     |
| 24) Nitrobenzene               | 8.73  | 77  | 650668  | 46.108 | ng | 99     |
| 25) Isophorone                 | 9.24  | 82  | 1156877 | 43.627 | ng | 100    |
| 26) 2-Nitrophenol              | 9.43  | 139 | 250614  | 41.674 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.49  | 122 | 397745  | 46.778 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.72  | 93  | 643948  | 43.367 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.96  | 162 | 421813  | 43.680 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.15 | 180 | 396665  | 38.164 | ng | 98     |
| 31) Naphthalene                | 10.33 | 128 | 1350299 | 41.324 | ng | 99     |
| 32) Benzoic acid               | 9.66  | 122 | 104475  | 16.739 | ng | 96     |
| 33) 4-Chloroaniline            | 10.49 | 127 | 216151  | 16.057 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.59 | 225 | 198333  | 32.354 | ng | 100    |
| 35) Caprolactam                | 11.34 | 113 | 31231m  | 8.544  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.62 | 107 | 465785  | 38.818 | ng | 100    |
| 37) 2-Methylnaphthalene        | 11.96 | 142 | 991698  | 41.687 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.19 | 142 | 962099  | 40.960 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216 | 467376  | 42.929 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.29 | 237  | 199338   | 55.839 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.60 | 196  | 348220   | 47.177 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.68 | 196  | 363638   | 47.335 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.00 | 154  | 1348430  | 44.114 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.04 | 162  | 1037166  | 44.484 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.29 | 65   | 386450   | 45.983 | ng    | 100      |
| 49) Acenaphthylene             | 13.90 | 152  | 1747560  | 43.078 | ng    | 99       |
| 50) Dimethylphthalate          | 13.65 | 163  | 1450415  | 46.594 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.79 | 165  | 307776   | 44.712 | ng    | 88       |
| 52) Acenaphthene               | 14.24 | 154  | 1020659  | 45.377 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.13 | 138  | 143168   | 20.829 | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.36 | 184  | 229196   | 58.024 | ng    | 97       |
| 55) Dibenzofuran               | 14.59 | 168  | 1665942  | 45.293 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.47 | 139  | 175592   | 35.864 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 14.60 | 165  | 447937   | 45.270 | ng    | 95       |
| 58) Fluorene                   | 15.24 | 166  | 1422439  | 45.639 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 322675   | 46.033 | ng    | 98       |
| 60) Diethylphthalate           | 15.02 | 149  | 1484820  | 45.862 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.23 | 204  | 690440   | 46.011 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.32 | 138  | 272112   | 40.182 | ng    | 99       |
| 63) Azobenzene                 | 15.53 | 77   | 1603512  | 46.340 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 162202   | 32.720 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.46 | 169  | 1189446  | 46.827 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.13 | 248  | 405420   | 45.386 | ng    | 98       |
| 68) Hexachlorobenzene          | 16.24 | 284  | 488426   | 45.569 | ng    | 99       |
| 69) Atrazine                   | 16.43 | 200  | 394967   | 45.805 | ng    | 98       |
| 70) Pentachlorophenol          | 16.60 | 266  | 512728   | 93.624 | ng    | 98       |
| 71) Phenanthrene               | 16.99 | 178  | 2147463  | 46.576 | ng    | 100      |
| 72) Anthracene                 | 17.08 | 178  | 2206101  | 48.067 | ng    | 99       |
| 73) Carbazole                  | 17.37 | 167  | 2030820  | 47.393 | ng    | 100      |
| 74) Di-n-butylphthalate        | 17.91 | 149  | 2629840  | 46.732 | ng    | 99       |
| 75) Fluoranthene               | 19.02 | 202  | 2512429  | 47.350 | ng    | 100      |
| 77) Benzidine                  | 19.23 | 184  | 482247   | 22.321 | ng    | 99       |
| 78) Pyrene                     | 19.39 | 202  | 2562738  | 49.421 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.30 | 149  | 1286129  | 51.158 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.15 | 228  | 2450722  | 49.406 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 662647   | 35.905 | ng    | 98       |
| 83) Chrysene                   | 21.20 | 228  | 2406686  | 50.592 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 1882602  | 50.299 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 21.93 | 149  | 3293168  | 54.225 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.56 | 276  | 2237454  | 47.813 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.70 | 252  | 2381388  | 49.161 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.74 | 252  | 2340929  | 51.332 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.26 | 252  | 2117930  | 49.345 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.56 | 278  | 1945919  | 47.024 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 26.23 | 276  | 1726572  | 46.066 | ng    | 100      |

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

