

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070920\  
 Data File : BM026698.D  
 Acq On : 08 Jul 2020 09:00  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 7/9/2020 10:59:34 AM

Quant Time: Jul 08 11:44:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 08 11:38:47 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.33  | 152  | 72593    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.08 | 136  | 318940   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 13.99 | 164  | 221227   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.75 | 188  | 510707   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 20.97 | 240  | 626576   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.04 | 264  | 633438   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 4.96  | 112 | 336012  | 77.58 | ng | 0.00 |
| 7) Phenol-d6             | 6.54  | 99  | 550924  | 79.84 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.48  | 82  | 612863  | 81.98 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.50 | 330 | 272172  | 84.46 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.60 | 172 | 1342318 | 80.68 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.42 | 244 | 2640542 | 82.94 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.95  | 88  | 79586   | 38.244 | ng | 97     |
| 3) Pyridine                    | 3.33  | 79  | 239972m | 40.318 | ng |        |
| 4) n-Nitrosodimethylamine      | 3.25  | 42  | 145590  | 40.867 | ng | 98     |
| 6) Aniline                     | 6.67  | 93  | 339513  | 40.086 | ng | 99     |
| 8) 2-Chlorophenol              | 6.90  | 128 | 201133  | 38.985 | ng | 97     |
| 9) Benzaldehyde                | 6.49  | 77  | 146467  | 38.244 | ng | 97     |
| 10) Phenol                     | 6.56  | 94  | 272092  | 39.896 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 6.78  | 93  | 219264  | 38.451 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 7.22  | 146 | 216184  | 38.549 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.36  | 146 | 223414  | 39.139 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.67  | 146 | 221628  | 38.976 | ng | 98     |
| 15) Benzyl Alcohol             | 7.58  | 79  | 240294  | 40.698 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.87  | 45  | 463183  | 39.354 | ng | 99     |
| 17) 2-Methylphenol             | 7.79  | 107 | 207907  | 40.113 | ng | 99     |
| 18) Hexachloroethane           | 8.38  | 117 | 89685   | 39.559 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.15  | 70  | 231674  | 40.350 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.12  | 107 | 287453  | 40.341 | ng | 96     |
| 22) Acetophenone               | 8.15  | 105 | 373599  | 41.221 | ng | # 98   |
| 24) Nitrobenzene               | 8.52  | 77  | 318263  | 40.467 | ng | 99     |
| 25) Isophorone                 | 9.05  | 82  | 594063  | 41.440 | ng | 99     |
| 26) 2-Nitrophenol              | 9.22  | 139 | 120374  | 41.470 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.30  | 122 | 197606  | 41.865 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.53  | 93  | 324155  | 40.931 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.75  | 162 | 217851  | 41.909 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.96  | 180 | 235755  | 40.654 | ng | 100    |
| 31) Naphthalene                | 10.13 | 128 | 719042  | 40.534 | ng | 99     |
| 32) Benzoic acid               | 9.49  | 122 | 158242  | 40.008 | ng | 96     |
| 33) 4-Chloroaniline            | 10.26 | 127 | 325784  | 41.982 | ng | 100    |
| 34) Hexachlorobutadiene        | 10.42 | 225 | 157375  | 40.977 | ng | 98     |
| 35) Caprolactam                | 11.06 | 113 | 79373m  | 43.106 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.41 | 107 | 278614  | 42.409 | ng | 97     |
| 37) 2-Methylnaphthalene        | 11.76 | 142 | 542065  | 41.251 | ng | 99     |
| 38) 1-Methylnaphthalene        | 11.99 | 142 | 516016  | 40.988 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.15 | 216 | 289260  | 40.447 | ng | 100    |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.12 | 237  | 141520   | 38.663 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.40 | 196  | 197363   | 42.129 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.47 | 196  | 228356   | 41.481 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 12.81 | 154  | 703067   | 40.233 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 12.85 | 162  | 570858   | 40.439 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.07 | 65   | 246070   | 42.357 | ng    | 98       |
| 49) Acenaphthylene             | 13.70 | 152  | 925219   | 40.998 | ng    | 100      |
| 50) Dimethylphthalate          | 13.47 | 163  | 772859   | 40.844 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.59 | 165  | 169968   | 41.947 | ng    | 97       |
| 52) Acenaphthene               | 14.06 | 154  | 558852   | 40.748 | ng    | 99       |
| 53) 3-Nitroaniline             | 13.92 | 138  | 181829   | 43.135 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.14 | 184  | 99275    | 38.857 | ng    | 91       |
| 55) Dibenzofuran               | 14.40 | 168  | 913032   | 40.601 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.26 | 139  | 138753   | 39.825 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 14.39 | 165  | 246694   | 42.183 | ng    | 98       |
| 58) Fluorene                   | 15.05 | 166  | 765361   | 41.107 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.63 | 232  | 202050   | 42.027 | ng    | 99       |
| 60) Diethylphthalate           | 14.86 | 149  | 827473   | 41.356 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.06 | 204  | 414229   | 41.064 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.10 | 138  | 188785m  | 38.960 | ng    |          |
| 63) Azobenzene                 | 15.35 | 77   | 917807   | 41.763 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.16 | 198  | 144382   | 39.437 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 15.28 | 169  | 669784   | 41.270 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 15.95 | 248  | 257262   | 40.470 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.06 | 284  | 271197   | 40.535 | ng    | 96       |
| 69) Atrazine                   | 16.25 | 200  | 208469   | 42.716 | ng    | 99       |
| 70) Pentachlorophenol          | 16.42 | 266  | 160109   | 42.302 | ng    | 98       |
| 71) Phenanthrene               | 16.79 | 178  | 1227617  | 40.717 | ng    | 99       |
| 72) Anthracene                 | 16.88 | 178  | 1231460  | 41.029 | ng    | 99       |
| 73) Carbazole                  | 17.16 | 167  | 1187669  | 41.506 | ng    | 99       |
| 74) Di-n-butylphthalate        | 17.75 | 149  | 1527772  | 42.461 | ng    | 99       |
| 75) Fluoranthene               | 18.82 | 202  | 1546078  | 41.634 | ng    | 99       |
| 77) Benzidine                  | 19.03 | 184  | 566643   | 45.871 | ng    | 99       |
| 78) Pyrene                     | 19.19 | 202  | 1602192  | 40.592 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.13 | 149  | 747298   | 42.190 | ng    | 99       |
| 81) Benzo(a)anthracene         | 20.96 | 228  | 1709311  | 40.612 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 20.90 | 252  | 562505   | 42.109 | ng    | 99       |
| 83) Chrysene                   | 21.01 | 228  | 1657826  | 40.469 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 1201643  | 42.347 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 21.76 | 149  | 2043262  | 42.128 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 25.06 | 276  | 1969469  | 43.674 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.44 | 252  | 1737948  | 41.641 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.48 | 252  | 1763213  | 43.069 | ng    | 99       |
| 90) Benzo(a)pyrene             | 22.96 | 252  | 1640300  | 42.335 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.06 | 278  | 1658119  | 43.557 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 25.66 | 276  | 1528821  | 43.587 | ng    | 99       |

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

