

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030119\  
 Data File : BM018985.D  
 Acq On : 01 Mar 2019 12:56  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Sohil  
 3/4/2019 12:47:33 PM

Quant Time: Mar 01 14:18:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 14:12:30 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 276667   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.47 | 136  | 1189782  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.34 | 164  | 699735   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.09 | 188  | 1580906  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.29 | 240  | 1547937  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.53 | 264  | 1336013  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 1380957 | 81.78 | ng | 0.00 |
| 7) Phenol-d6             | 6.86  | 99  | 2079952 | 87.44 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.86  | 82  | 2174684 | 84.51 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.84 | 330 | 914648  | 90.68 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.95 | 172 | 4462323 | 84.66 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.73 | 244 | 7111040 | 94.77 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 279469  | 38.000 | ng | 99     |
| 3) Pyridine                    | 3.63  | 79  | 852211  | 42.481 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 222304  | 43.560 | ng | 92     |
| 6) Aniline                     | 7.03  | 93  | 1257106 | 43.132 | ng | 99     |
| 8) 2-Chlorophenol              | 7.25  | 128 | 790826  | 42.657 | ng | 98     |
| 9) Benzaldehyde                | 6.85  | 77  | 518232  | 39.816 | ng | 99     |
| 10) Phenol                     | 6.89  | 94  | 1070551 | 42.772 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93  | 821036  | 43.002 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.57  | 146 | 863114  | 41.404 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 880917  | 41.509 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 859388  | 42.157 | ng | 100    |
| 15) Benzyl Alcohol             | 7.93  | 79  | 846625  | 44.792 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 819432  | 44.343 | ng | 99     |
| 17) 2-Methylphenol             | 8.13  | 107 | 688909  | 43.245 | ng | 99     |
| 18) Hexachloroethane           | 8.75  | 117 | 329271  | 42.503 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70  | 830129  | 45.071 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.46  | 107 | 972850  | 44.225 | ng | 98     |
| 22) Acetophenone               | 8.52  | 105 | 1378068 | 42.177 | ng | 99     |
| 24) Nitrobenzene               | 8.90  | 77  | 1105174 | 41.378 | ng | 99     |
| 25) Isophorone                 | 9.42  | 82  | 1802362 | 43.899 | ng | 99     |
| 26) 2-Nitrophenol              | 9.60  | 139 | 475886  | 44.741 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.65  | 122 | 672421  | 43.283 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 9.90  | 93  | 1135092 | 42.753 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.12 | 162 | 769335  | 43.128 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180 | 853074  | 41.410 | ng | 98     |
| 31) Naphthalene                | 10.52 | 128 | 2399796 | 41.357 | ng | 100    |
| 32) Benzoic acid               | 9.83  | 122 | 537107  | 39.634 | ng | 96     |
| 33) 4-Chloroaniline            | 10.65 | 127 | 1126271 | 43.420 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.79 | 225 | 479124  | 40.069 | ng | 100    |
| 35) Caprolactam                | 11.47 | 113 | 326715m | 44.878 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.77 | 107 | 930112  | 43.247 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.14 | 142 | 1730300 | 42.353 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.36 | 142 | 1687643 | 42.243 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.51 | 216 | 924728  | 41.312 | ng | 100    |

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 ALS Vial : 2 Sample Multiplier: 1

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.47 | 237  | 454424   | 39.708 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.76 | 196  | 639885   | 43.183 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.83 | 196  | 665748   | 42.865 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.16 | 154  | 2530773  | 42.017 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.21 | 162  | 1953820  | 41.998 | ng    | 100      |
| 48) 2-Nitroaniline             | 13.43 | 65   | 703302   | 45.518 | ng    | 99       |
| 49) Acenaphthylene             | 14.06 | 152  | 2960399  | 42.736 | ng    | 99       |
| 50) Dimethylphthalate          | 13.81 | 163  | 2480160  | 42.530 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.93 | 165  | 560926   | 44.404 | ng    | 98       |
| 52) Acenaphthene               | 14.40 | 154  | 1793743  | 42.229 | ng    | 100      |
| 53) 3-Nitroaniline             | 14.27 | 138  | 608079   | 42.602 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.47 | 184  | 311034   | 41.770 | ng    | 99       |
| 55) Dibenzofuran               | 14.74 | 168  | 2926132  | 41.912 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.58 | 139  | 565639   | 49.643 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 779354   | 44.777 | ng    | 97       |
| 58) Fluorene                   | 15.39 | 166  | 2294422  | 42.958 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 572239   | 41.683 | ng    | 100      |
| 60) Diethylphthalate           | 15.17 | 149  | 2559369  | 42.546 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.39 | 204  | 1243156  | 41.512 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 593045   | 42.381 | ng    | 98       |
| 63) Azobenzene                 | 15.68 | 77   | 2796040  | 43.350 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 482305   | 43.452 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.61 | 169  | 2158545  | 43.217 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.28 | 248  | 749763   | 42.370 | ng    | 99       |
| 68) Hexachlorobenzene          | 16.39 | 284  | 864841   | 42.047 | ng    | 98       |
| 69) Atrazine                   | 16.56 | 200  | 579602   | 35.995 | ng    | 99       |
| 70) Pentachlorophenol          | 16.74 | 266  | 567332   | 42.838 | ng    | 99       |
| 71) Phenanthrene               | 17.13 | 178  | 3559260  | 41.893 | ng    | 100      |
| 72) Anthracene                 | 17.23 | 178  | 3551611  | 42.949 | ng    | 100      |
| 73) Carbazole                  | 17.50 | 167  | 3655924  | 42.316 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.06 | 149  | 4399694  | 44.280 | ng    | 100      |
| 75) Fluoranthene               | 19.16 | 202  | 3995047  | 40.708 | ng    | 99       |
| 77) Benzidine                  | 19.36 | 184  | 1591643  | 45.656 | ng    | 99       |
| 78) Pyrene                     | 19.52 | 202  | 4189226  | 46.597 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.42 | 149  | 1986727  | 48.490 | ng    | 100      |
| 81) Benzo(a)anthracene         | 21.27 | 228  | 3760413  | 41.675 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 1514034  | 42.456 | ng    | 99       |
| 83) Chrysene                   | 21.33 | 228  | 3577976  | 41.370 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 2764964  | 46.108 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.07 | 149  | 4246711  | 42.135 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.81 | 276  | 3372510  | 33.775 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.86 | 252  | 3291378  | 43.059 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.90 | 252  | 3259127  | 42.827 | ng    | 100      |
| 90) Benzo(a)pyrene             | 23.44 | 252  | 3034295  | 41.903 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.83 | 278  | 2876557  | 40.096 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.51 | 276  | 2698976  | 40.410 | ng    | 99       |

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

