

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\  
 Data File : BM019016.D  
 Acq On : 04 Mar 2019 19:05  
 Operator : JU/SJ  
 Sample : K1655-08MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A0C1-TWPMSD

Manual Integrations  
 APPROVED

Sohil  
 3/5/2019 5:23:48 PM

Quant Time: Mar 05 04:11:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 05 03:36:13 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 272931   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.47 | 136  | 1160822  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.33 | 164  | 670558   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.09 | 188  | 1517233  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.29 | 240  | 1350169  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.53 | 264  | 1144777  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 813723  | 48.85  | ng | 0.00 |
| 7) Phenol-d6             | 6.86  | 99  | 729274  | 31.08  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.85  | 82  | 1887174 | 75.17  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.83 | 330 | 1106839 | 114.51 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.94 | 172 | 3806943 | 75.36  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.72 | 244 | 5920609 | 90.46  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 90028   | 12.409 | ng | 98     |
| 3) Pyridine                    | 3.65  | 79  | 115250  | 5.824  | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 79823   | 15.855 | ng | 91     |
| 6) Aniline                     | 7.02  | 93  | 324008  | 11.269 | ng | 99     |
| 8) 2-Chlorophenol              | 7.25  | 128 | 510854  | 27.933 | ng | 99     |
| 9) Benzaldehyde                | 6.84  | 77  | 502864  | 38.936 | ng | 99     |
| 10) Phenol                     | 6.88  | 94  | 340217  | 13.779 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93  | 666619  | 35.392 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.56  | 146 | 651996  | 31.705 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 669121  | 31.961 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 656361  | 32.639 | ng | 99     |
| 15) Benzyl Alcohol             | 7.93  | 79  | 414380  | 22.223 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 678948  | 37.244 | ng | 96     |
| 17) 2-Methylphenol             | 8.13  | 107 | 367261  | 23.370 | ng | 98     |
| 18) Hexachloroethane           | 8.74  | 117 | 242063  | 31.673 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.49  | 70  | 661792  | 36.423 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.45  | 107 | 454201  | 20.930 | ng | 98     |
| 22) Acetophenone               | 8.51  | 105 | 1086697 | 34.089 | ng | # 99   |
| 24) Nitrobenzene               | 8.89  | 77  | 910886  | 34.955 | ng | 98     |
| 25) Isophorone                 | 9.41  | 82  | 1661123 | 41.468 | ng | 99     |
| 26) 2-Nitrophenol              | 9.59  | 139 | 339091  | 32.675 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.65  | 122 | 517713  | 34.156 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.89  | 93  | 974407  | 37.617 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.12 | 162 | 557434  | 32.029 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180 | 663954  | 33.034 | ng | 97     |
| 31) Naphthalene                | 10.52 | 128 | 2101773 | 37.124 | ng | 100    |
| 32) Benzoic acid               | 9.76  | 122 | 110097m | 8.327  | ng |        |
| 33) 4-Chloroaniline            | 10.65 | 127 | 247089  | 9.763  | ng | 96     |
| 34) Hexachlorobutadiene        | 10.78 | 225 | 346193  | 29.674 | ng | 98     |
| 35) Caprolactam                | 11.47 | 113 | 29620m  | 4.170  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.77 | 107 | 617972  | 29.450 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.13 | 142 | 1590906 | 39.912 | ng | 100    |
| 38) 1-Methylnaphthalene        | 12.36 | 142 | 1521734 | 39.041 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 756043  | 35.246 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.47 | 237  | 823212   | 75.062 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.76 | 196  | 486348   | 34.249 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.83 | 196  | 512631   | 34.442 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.16 | 154  | 2068207  | 35.832 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.20 | 162  | 1607225  | 36.051 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.43 | 65   | 563827   | 38.079 | ng    | 99       |
| 49) Acenaphthylene             | 14.06 | 152  | 2647383  | 39.880 | ng    | 100      |
| 50) Dimethylphthalate          | 13.80 | 163  | 2792455  | 49.969 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.93 | 165  | 468979   | 38.740 | ng    | 96       |
| 52) Acenaphthene               | 14.40 | 154  | 1538843  | 37.805 | ng    | 100      |
| 53) 3-Nitroaniline             | 14.26 | 138  | 233658   | 17.083 | ng    | 94       |
| 54) 2,4-Dinitrophenol          | 14.47 | 184  | 513034   | 67.740 | ng    | 97       |
| 55) Dibenzofuran               | 14.73 | 168  | 2516023  | 37.606 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.58 | 139  | 227171   | 20.805 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 675153   | 40.478 | ng    | 97       |
| 58) Fluorene                   | 15.39 | 166  | 2089545  | 40.824 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 472900   | 35.946 | ng    | 99       |
| 60) Diethylphthalate           | 15.16 | 149  | 2183043  | 37.869 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.38 | 204  | 1020481  | 35.559 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.43 | 138  | 430652   | 32.115 | ng    | 98       |
| 63) Azobenzene                 | 15.67 | 77   | 2334676  | 37.772 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 335144   | 31.461 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.60 | 169  | 1748605  | 36.478 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.28 | 248  | 618840   | 36.439 | ng    | 100      |
| 68) Hexachlorobenzene          | 16.38 | 284  | 721535   | 36.552 | ng    | 99       |
| 69) Atrazine                   | 16.56 | 200  | 558539   | 36.142 | ng    | 99       |
| 70) Pentachlorophenol          | 16.73 | 266  | 797236   | 62.724 | ng    | 99       |
| 71) Phenanthrene               | 17.13 | 178  | 3246657  | 39.818 | ng    | 99       |
| 72) Anthracene                 | 17.22 | 178  | 3312016  | 41.732 | ng    | 100      |
| 73) Carbazole                  | 17.50 | 167  | 3034910  | 36.602 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.05 | 149  | 3912299  | 41.027 | ng    | 100      |
| 75) Fluoranthene               | 19.15 | 202  | 3658185  | 38.840 | ng    | 98       |
| 77) Benzidine                  | 19.35 | 184  | 551464   | 18.136 | ng    | 99       |
| 78) Pyrene                     | 19.52 | 202  | 3725897  | 47.514 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.42 | 149  | 1799784  | 50.361 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.27 | 228  | 3219057  | 40.901 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.21 | 252  | 693979   | 22.311 | ng    | 100      |
| 83) Chrysene                   | 21.32 | 228  | 2977659  | 39.472 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 2611988  | 49.937 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.07 | 149  | 4116567  | 46.827 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.81 | 276  | 3023759  | 34.718 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.85 | 252  | 2774657  | 42.363 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.90 | 252  | 2679102  | 41.086 | ng    | 100      |
| 90) Benzo(a)pyrene             | 23.43 | 252  | 2564549  | 41.332 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.81 | 278  | 2578251  | 41.942 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.50 | 276  | 2454837  | 42.895 | ng    | 99       |

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

