

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\  
 Data File : BM024659.D  
 Acq On : 30 Jan 2020 15:28  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 7:55:27 AM

Quant Time: Jan 30 23:36:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 180703   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.19 | 136  | 671572   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.08 | 164  | 457636   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 16.83 | 188  | 1042903  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.04 | 240  | 1150873  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.16 | 264  | 1343060  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.07  | 112 | 833334  | 87.70 | ng | -0.01 |
| 7) Phenol-d6             | 6.63  | 99  | 1070391 | 81.77 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.57  | 82  | 1053729 | 76.95 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.58 | 330 | 687455  | 92.35 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 12.70 | 172 | 2956333 | 87.82 | ng | -0.01 |
| 79) Terphenyl-d14        | 19.49 | 244 | 5480419 | 88.90 | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.07  | 88  | 150773  | 40.113 | ng | 91     |
| 3) Pyridine                    | 3.44  | 79  | 438941  | 40.284 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.36  | 42  | 155258  | 32.101 | ng | 83     |
| 6) Aniline                     | 6.77  | 93  | 641204  | 40.240 | ng | 95     |
| 8) 2-Chlorophenol              | 7.00  | 128 | 475196  | 43.932 | ng | 92     |
| 9) Benzaldehyde                | 6.58  | 77  | 285913  | 36.967 | ng | 94     |
| 10) Phenol                     | 6.66  | 94  | 526951  | 40.386 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.87  | 93  | 404995  | 38.772 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.32  | 146 | 599859  | 45.142 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.46  | 146 | 603969  | 44.802 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.77  | 146 | 583416  | 44.834 | ng | 97     |
| 15) Benzyl Alcohol             | 7.67  | 79  | 404297  | 37.462 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.96  | 45  | 324174  | 33.901 | ng | 97     |
| 17) 2-Methylphenol             | 7.89  | 107 | 372245  | 40.485 | ng | 95     |
| 18) Hexachloroethane           | 8.49  | 117 | 209505  | 40.245 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.24  | 70  | 335950  | 34.184 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.21  | 107 | 505167  | 39.689 | ng | 96     |
| 22) Acetophenone               | 8.25  | 105 | 713328  | 41.193 | ng | 96     |
| 24) Nitrobenzene               | 8.61  | 77  | 506787  | 38.619 | ng | 96     |
| 25) Isophorone                 | 9.14  | 82  | 882905  | 37.945 | ng | 97     |
| 26) 2-Nitrophenol              | 9.32  | 139 | 278933  | 45.904 | ng | 87     |
| 27) 2,4-Dimethylphenol         | 9.40  | 122 | 357113  | 43.248 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 9.63  | 93  | 572399  | 40.270 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.85  | 162 | 513446  | 46.024 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.06 | 180 | 626292  | 46.548 | ng | 99     |
| 31) Naphthalene                | 10.24 | 128 | 1481691 | 43.683 | ng | 99     |
| 32) Benzoic acid               | 9.55  | 122 | 334663m | 44.306 | ng |        |
| 33) 4-Chloroaniline            | 10.36 | 127 | 639390  | 43.005 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.55 | 225 | 424349  | 45.624 | ng | 99     |
| 35) Caprolactam                | 11.13 | 113 | 151539  | 42.339 | ng | 84     |
| 36) 4-Chloro-3-methylphenol    | 11.50 | 107 | 471053  | 39.709 | ng | 89     |
| 37) 2-Methylnaphthalene        | 11.86 | 142 | 1116076 | 42.637 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.09 | 142 | 1055890 | 42.406 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.25 | 216 | 738841  | 45.236 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.23 | 237  | 334434   | 36.530 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.50 | 196  | 474437   | 45.647 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.57 | 196  | 480792   | 45.295 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 12.90 | 154  | 1524492  | 44.019 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 12.94 | 162  | 1255376  | 44.900 | ng    | 97       |
| 48) 2-Nitroaniline             | 13.15 | 65   | 304235   | 35.677 | ng    | 86       |
| 49) Acenaphthylene             | 13.80 | 152  | 1838079  | 43.915 | ng    | 100      |
| 50) Dimethylphthalate          | 13.56 | 163  | 1570415  | 42.437 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.66 | 165  | 341643   | 43.424 | ng #  | 84       |
| 52) Acenaphthene               | 14.14 | 154  | 1129159  | 43.475 | ng    | 99       |
| 53) 3-Nitroaniline             | 13.99 | 138  | 353670   | 43.341 | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 14.20 | 184  | 201427   | 42.813 | ng #  | 83       |
| 55) Dibenzofuran               | 14.49 | 168  | 1862931  | 43.981 | ng    | 95       |
| 56) 4-Nitrophenol              | 14.32 | 139  | 272805   | 42.768 | ng    | 86       |
| 57) 2,4-Dinitrotoluene         | 14.46 | 165  | 477251   | 42.325 | ng #  | 82       |
| 58) Fluorene                   | 15.14 | 166  | 1501309  | 42.176 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.72 | 232  | 470986   | 43.754 | ng #  | 94       |
| 60) Diethylphthalate           | 14.94 | 149  | 1524644  | 40.582 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.14 | 204  | 861494   | 41.979 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.16 | 138  | 382671   | 42.485 | ng    | 89       |
| 63) Azobenzene                 | 15.44 | 77   | 1130491  | 35.277 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.23 | 198  | 275298   | 44.895 | ng    | 90       |
| 66) n-Nitrosodiphenylamine     | 15.36 | 169  | 1314524  | 43.880 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.04 | 248  | 571405   | 44.058 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.15 | 284  | 688233   | 46.243 | ng    | 97       |
| 69) Atrazine                   | 16.33 | 200  | 443471   | 38.566 | ng    | 99       |
| 70) Pentachlorophenol          | 16.50 | 266  | 389387   | 42.953 | ng    | 98       |
| 71) Phenanthrene               | 16.87 | 178  | 2498598  | 44.243 | ng    | 99       |
| 72) Anthracene                 | 16.97 | 178  | 2452944  | 44.390 | ng    | 99       |
| 73) Carbazole                  | 17.24 | 167  | 2259422  | 44.915 | ng    | 99       |
| 74) Di-n-butylphthalate        | 17.83 | 149  | 2656146  | 41.302 | ng    | 99       |
| 75) Fluoranthene               | 18.90 | 202  | 3176591  | 45.067 | ng    | 99       |
| 77) Benzdine                   | 19.10 | 184  | 1363112  | 50.858 | ng    | 99       |
| 78) Pyrene                     | 19.27 | 202  | 3290450  | 43.370 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.21 | 149  | 1295047  | 40.679 | ng    | 89       |
| 81) Benzo(a)anthracene         | 21.03 | 228  | 3485916  | 43.641 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 1409514  | 49.054 | ng    | 99       |
| 83) Chrysene                   | 21.09 | 228  | 3375463  | 44.286 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 1844891  | 39.274 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 21.86 | 149  | 3206175  | 41.313 | ng #  | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.23 | 276  | 4288080  | 51.617 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 22.54 | 252  | 3651978  | 41.925 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.58 | 252  | 3591913  | 42.245 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.07 | 252  | 3451747  | 43.585 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.24 | 278  | 3571485  | 47.513 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 25.85 | 276  | 3440759  | 50.411 | ng    | 98       |

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

