

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF041619\  
 Data File : BF113798.D  
 Acq On : 16 Apr 2019 17:25  
 Operator : JU/SJ  
 Sample : K2203-10MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-01-041519-AMSD

Quant Time: Apr 17 01:55:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 5940     | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.85  | 136  | 1333     | 20.00 | ng    | -0.12    |
| 39) Acenaphthene-d10      | 9.50  | 164  | 3061     | 20.00 | ng    | -0.22    |
| 64) Phenanthrene-d10      | 10.90 | 188  | 1219     | 20.00 | ng    | -0.31    |
| 76) Chrysene-d12          | 13.24 | 240  | 134      | 20.00 | ng    | -0.61    |
| 87) Perylene-d12          | 0.00  | 264  | 0        | 0.00  | ng    | -15.25   |

## System Monitoring Compounds

|                          |       |     |         |          |    |       |
|--------------------------|-------|-----|---------|----------|----|-------|
| 5) 2-Fluorophenol        | 5.31  | 112 | 781385  | 2243.17  | ng | 0.01  |
| 7) Phenol-d6             | 6.34  | 99  | 911722  | 2123.59  | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.25  | 82  | 620635  | 27272.21 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.50 | 330 | 262119  | 7128.60  | ng | -0.02 |
| 45) 2-Fluorobiphenyl     | 9.03  | 172 | 1158956 | 6095.37  | ng | -0.02 |
| 79) Terphenyl-d14        | 0.00  | 244 | 0       | 0.00     | ng |       |

## Target Compounds

|                                |      |     |        |           |    | Qvalue |
|--------------------------------|------|-----|--------|-----------|----|--------|
| 2) 1,4-Dioxane                 | 2.43 | 88  | 120301 | 729.174   | ng | # 82   |
| 3) Pyridine                    | 3.15 | 79  | 244199 | 565.590   | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.05 | 42  | 136974 | 746.668   | ng | 95     |
| 6) Aniline                     | 6.35 | 93  | 73150  | 140.564   | ng | # 1    |
| 8) 2-Chlorophenol              | 6.47 | 128 | 322026 | 799.023   | ng | 99     |
| 9) Benzaldehyde                | 6.23 | 77  | 111206 | 435.625   | ng | 96     |
| 10) Phenol                     | 6.35 | 94  | 355603 | 725.215   | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 6.42 | 93  | 316418 | 829.560   | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.62 | 146 | 340365 | 784.212   | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.69 | 146 | 349642 | 797.184   | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.85 | 146 | 326724 | 825.282   | ng | 97     |
| 15) Benzyl Alcohol             | 6.84 | 79  | 42886  | 147.733   | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45  | 484149 | 815.467   | ng | 88     |
| 17) 2-Methylphenol             | 6.96 | 107 | 275592 | 882.373   | ng | # 93   |
| 18) Hexachloroethane           | 7.17 | 117 | 121249 | 759.502   | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70  | 225909 | 853.311   | ng | 98     |
| 20) 3+4-Methylphenols          | 7.13 | 107 | 321284 | 848.974   | ng | 91     |
| 22) Acetophenone               | 7.09 | 105 | 441535 | 15081.256 | ng | # 95   |
| 24) Nitrobenzene               | 7.26 | 77  | 332669 | 14194.776 | ng | 98     |
| 25) Isophorone                 | 7.50 | 82  | 608111 | 13871.642 | ng | 100    |
| 26) 2-Nitrophenol              | 7.58 | 139 | 176695 | 14008.658 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 296275 | 16430.358 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 388137 | 14004.221 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.85 | 162 | 282273 | 14630.645 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180 | 291203 | 13898.808 | ng | 98     |
| 31) Naphthalene                | 7.97 | 128 | 947997 | 14677.857 | ng | 99     |
| 32) Benzoic acid               | 7.79 | 122 | 45754  | 3276.766  | ng | 94     |
| 33) 4-Chloroaniline            | 8.06 | 127 | 43402  | 1694.739  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 175578 | 13745.388 | ng | 97     |
| 35) Caprolactam                | 8.42 | 113 | 43008  | 7022.415  | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.55 | 107 | 271589 | 14022.969 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.67 | 142 | 622698 | 14659.042 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.67 | 142 | 623172 | 15214.016 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.84 | 216 | 300893 | 3039.460  | ng | 99     |

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|--------------------------------|-------|------|----------|-----------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.82  | 237  | 78389    | 1899.399  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.96  | 196  | 179117   | 2866.401  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.02  | 196  | 157156   | 2342.578  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.13  | 154  | 763947   | 3024.456  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.16  | 162  | 569599   | 2978.367  | ng    | 99       |
| 48) 2-Nitroaniline             | 9.27  | 65   | 170522   | 2913.949  | ng    | 93       |
| 49) Acenaphthylene             | 9.57  | 152  | 892704   | 2870.556  | ng    | 99       |
| 50) Dimethylphthalate          | 9.43  | 163  | 661664   | 2932.429  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.50  | 165  | 143896   | 2893.154  | ng    | 97       |
| 52) Acenaphthene               | 9.74  | 154  | 525055   | 2949.463  | ng    | 100      |
| 53) 3-Nitroaniline             | 9.69  | 138  | 22692    | 401.288   | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.82  | 184  | 31858    | 1369.112  | ng    | 92       |
| 55) Dibenzofuran               | 9.91  | 168  | 786371   | 3011.383  | ng    | 96       |
| 56) 4-Nitrophenol              | 9.91  | 139  | 325044   | 9266.315  | ng    | # 16     |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 181668   | 3020.112  | ng    | 94       |
| 58) Fluorene                   | 10.26 | 166  | 607021   | 2939.056  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.00 | 232  | 117285   | 2019.722  | ng    | 94       |
| 60) Diethylphthalate           | 10.13 | 149  | 652227   | 2998.115  | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.25 | 204  | 311650   | 3067.780  | ng    | 93       |
| 62) 4-Nitroaniline             | 10.30 | 138  | 122812   | 2135.762  | ng    | 99       |
| 63) Azobenzene                 | 10.40 | 77   | 579549   | 2813.593  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.05 | 198  | 9973     | 1554.033  | ng    | # 42     |
| 66) n-Nitrosodiphenylamine     | 10.25 | 169  | 33365    | 891.574   | ng    | # 75     |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248  | 15651    | 1144.783  | ng    | # 1      |
| 72) Anthracene                 | 11.22 | 178  | 811529   | 13168.112 | ng    | 99       |
| 73) Carbazole                  | 11.02 | 167  | 40527    | 703.104   | ng    | # 69     |
| 80) Butylbenzylphthalate       | 12.63 | 149  | 5364     | 1292.422  | ng    | # 30     |
| 81) Benzo(a)anthracene         | 13.38 | 228  | 6295     | 814.376   | ng    | # 1      |
| 83) Chrysene                   | 13.38 | 228  | 6295     | 803.355   | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 13.24 | 149  | 348710   | 69491.930 | ng    | # 53     |
| 85) Di-n-octyl phthalate       | 13.80 | 149  | 478147   | 58620.280 | ng    | # 76     |

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

