Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104699.D
Acq On : 23 Apr 2018 10:31
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
4/24/2018 3:48:20 PM

Quant Time: Apr 23 15:46:21 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 118507 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 485757 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 227915 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 424847 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 333580 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 288378 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 571307 | 73.71 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 690194 | 72.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 635734 | 85.46 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 191624 | 81.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1087060 | 75.35 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1104266 | 75.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 133060 | 36.845 | ng | # | 88 |
| 3) Pyridine | 3.25 | 79 | 356805 | 35.141 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.21 | 42 | 113939 | 32.102 | ng | # | 75 |
| 6) Aniline | 6.47 | 93 | 465047 | 35.151 | ng | | 99 |
| 8) 2-Chlorophenol | 6.59 | 128 | 308794 | 37.749 | ng | | 96 |
| 9) Benzaldehyde | 6.36 | 77 | 168746 | 33.085 | ng | | 97 |
| 10) Phenol | 6.46 | 94 | 383230 | 37.929 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 295009 | 36.588 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 348173 | 37.570 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 354515 | 38.376 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 329066 | 38.439 | ng | | 98 |
| 15) Benzyl Alcohol | 6.95 | 79 | 258758 | 35.776 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 371930 | 34.348 | ng | | 85 |
| 17) 2-Methylphenol | 7.07 | 107 | 269219 | 37.861 | ng | | 96 |
| 18) Hexachloroethane | 7.32 | 117 | 128284 | 38.948 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 204024 | 32.787 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 321064 | 36.406 | ng | # | 68 |
| 22) Acetophenone | 7.22 | 105 | 434271 | 36.313 | ng | | 97 |
| 24) Nitrobenzene | 7.39 | 77 | 334021 | 40.669 | ng | | 99 |
| 25) Isophorone | 7.63 | 82 | 562160 | 35.736 | ng | | 98 |
| 26) 2-Nitrophenol | 7.71 | 139 | 173897 | 52.009 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 244604 | 35.232 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 353724 | 36.777 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 252794 | 38.162 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 277815 | 38.215 | ng | | 98 |
| 31) Naphthalene | 8.12 | 128 | 913727 | 37.776 | ng | | 100 |
| 32) Benzoic acid | 7.87 | 122 | 185483m | 33.484 | ng | | |
| 33) 4-Chloroaniline | 8.16 | 127 | 394153 | 38.036 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 155378 | 39.020 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 87060m | 37.674 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 273075 | 38.445 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 592469 | 37.867 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 260953 | 39.998 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 150526 | 41.212 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 172131 | 38.006 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 193038 | 38.089 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 731167 | 38.188 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 577503 | 38.186 | ng | | 99 |
| 47) 2-Nitroaniline | 9.39 | 65 | 175703 | 46.980 | ng | | 96 |
| 48) Acenaphthylene | 9.71 | 152 | 885073 | 37.301 | ng | | 99 |
| 49) Dimethylphthalate | 9.57 | 163 | 697895 | 38.830 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 149687 | 45.010 | ng | # | 86 |
| 51) Acenaphthene | 9.88 | 154 | 516461 | 35.674 | ng | | 100 |
| 52) 3-Nitroaniline | 9.81 | 138 | 176398 | 45.307 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 62447 | 54.165 | ng | # | 20 |
| 54) Dibenzofuran | 10.05 | 168 | 738549 | 36.606 | ng | | 97 |
| 55) 4-Nitrophenol | 9.97 | 139 | 113081 | 36.974 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 10.05 | 165 | 196401 | 45.022 | ng | # | 92 |
| 57) Fluorene | 10.40 | 166 | 598440 | 40.751 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 144191 | 38.135 | ng | | 94 |
| 59) Diethylphthalate | 10.27 | 149 | 661667 | 36.965 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 269446 | 41.199 | ng | | 100 |
| 61) 4-Nitroaniline | 10.42 | 138 | 177802 | 46.706 | ng | | 97 |
| 62) Azobenzene | 10.55 | 77 | 608004 | 35.553 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 103115 | 49.555 | ng | # | 69 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 538969 | 36.589 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 170570 | 37.745 | ng | | 98 |
| 67) Hexachlorobenzene | 10.95 | 284 | 194648 | 38.280 | ng | # | 90 |
| 68) Atrazine | 11.03 | 200 | 165310 | 37.179 | ng | | 100 |
| 69) Pentachlorophenol | 11.15 | 266 | 117409 | 37.323 | ng | | 96 |
| 70) Phenanthrene | 11.36 | 178 | 864947 | 36.558 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 887106 | 36.886 | ng | | 99 |
| 72) Carbazole | 11.57 | 167 | 864818 | 36.799 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 1034107 | 36.022 | ng | | 100 |
| 74) Fluoranthene | 12.55 | 202 | 898628 | 36.353 | ng | | 99 |
| 76) Benzidine | 12.67 | 184 | 385186m | 32.122 | ng | | |
| 77) Pyrene | 12.78 | 202 | 933765 | 37.764 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 436471 | 37.469 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 796933 | 39.990 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 281667 | 37.907 | ng | | 99 |
| 82) Chrysene | 14.01 | 228 | 764090 | 37.328 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 579474 | 38.675 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 879195 | 35.117 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 601891 | 34.614 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 677934 | 37.222 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 677911 | 39.425 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 621365 | 38.129 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 497486 | 37.169 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.35 | 276 | 484793 | 37.386 | ng | | 98 |

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

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