Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103433.D
Acq On : 6 Mar 2018 2:13
Operator : SJ/JU
Sample : J1722-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-24MS

**Manual Integrations APPROVED**
Sohil
3/6/2018 4:23:57 PM

Quant Time: Mar 06 06:04:10 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 05 13:40:47 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 118621 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 486131 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 183906 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 283644 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 152613 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.59 | 264 | 122861 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1109593 | 141.47 | ng | | 0.00 |
| 7) Phenol-d6 | 6.53 | 99 | 1262052 | 131.50 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 793876 | 93.26 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 166256 | 106.80 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1039853 | 102.14 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.00 | 244 | 727688 | 114.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 132015 | 31.869 | ng | | 91 |
| 3) Pyridine | 3.48 | 79 | 349186 | 31.575 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 203587 | 45.646 | ng | # | 94 |
| 6) Aniline | 6.55 | 93 | 274238 | 19.799 | ng | # | 15 |
| 8) 2-Chlorophenol | 6.67 | 128 | 312550 | 38.361 | ng | | 93 |
| 9) Benzaldehyde | 6.43 | 77 | 147633 | 22.278 | ng | | 96 |
| 10) Phenol | 6.54 | 94 | 451081 | 40.487 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 354214 | 41.889 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 328722 | 35.305 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 337202 | 36.122 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 297297 | 34.539 | ng | | 98 |
| 15) Benzyl Alcohol | 7.02 | 79 | 246872 | 34.136 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 501496 | 34.537 | ng | | 50 |
| 17) 2-Methylphenol | 7.14 | 107 | 267227 | 36.091 | ng | # | 84 |
| 18) Hexachloroethane | 7.37 | 117 | 63884 | 18.799 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 232422 | 38.912 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 358797 | 39.752 | ng | | 89 |
| 22) Acetophenone | 7.29 | 105 | 451641 | 39.802 | ng | # | 93 |
| 24) Nitrobenzene | 7.46 | 77 | 351618 | 37.517 | ng | | 97 |
| 25) Isophorone | 7.69 | 82 | 655525 | 39.100 | ng | | 95 |
| 26) 2-Nitrophenol | 7.77 | 139 | 106544 | 24.148 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 288863 | 42.833 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 404068 | 40.993 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 258417 | 40.023 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 237361 | 34.521 | ng | | 99 |
| 31) Naphthalene | 8.18 | 128 | 925354 | 38.880 | ng | | 99 |
| 32) Benzoic acid | 7.96 | 122 | 7386m | 8.177 | ng | | |
| 33) 4-Chloroaniline | 8.25 | 127 | 244523 | 23.809 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 116808 | 32.623 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 82340 | 36.285 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 274387 | 37.676 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 569209 | 37.006 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 197590 | 39.301 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 9.16 | 196 | 131899 | 38.989 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.21 | 196 | 136156 | 34.993 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 603615 | 39.169 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 467514 | 38.347 | ng | | 99 |
| 47) 2-Nitroaniline | 9.47 | 65 | 208985 | 46.276 | ng | | 88 |
| 48) Acenaphthylene | 9.78 | 152 | 701526 | 37.398 | ng | | 100 |
| 49) Dimethylphthalate | 9.63 | 163 | 605166 | 41.019 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 86605 | 27.973 | ng | # | 82 |
| 51) Acenaphthene | 9.95 | 154 | 394090 | 36.029 | ng | | 99 |
| 52) 3-Nitroaniline | 9.88 | 138 | 153428 | 39.060 | ng | | 99 |
| 54) Dibenzofuran | 10.12 | 168 | 576386 | 38.387 | ng | | 96 |
| 55) 4-Nitrophenol | 10.06 | 139 | 109059 | 44.798 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 89890 | 22.957 | ng | # | 72 |
| 57) Fluorene | 10.47 | 166 | 455037 | 35.575 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 77961 | 29.827 | ng | # | 95 |
| 59) Diethylphthalate | 10.33 | 149 | 504979 | 35.788 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 196961 | 36.312 | ng | | 99 |
| 61) 4-Nitroaniline | 10.50 | 138 | 156495 | 39.888 | ng | | 94 |
| 62) Azobenzene | 10.62 | 77 | 476886 | 33.203 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 375 | 5.140 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 385174 | 39.001 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.95 | 248 | 108589 | 36.751 | ng | | 94 |
| 67) Hexachlorobenzene | 11.02 | 284 | 110233 | 34.372 | ng | | 98 |
| 68) Atrazine | 11.10 | 200 | 87217 | 29.381 | ng | | 96 |
| 69) Pentachlorophenol | 11.22 | 266 | 44932 | 28.976 | ng | | 97 |
| 70) Phenanthrene | 11.44 | 178 | 847658 | 54.303 | ng | | 99 |
| 71) Anthracene | 11.49 | 178 | 665709 | 41.589 | ng | | 100 |
| 72) Carbazole | 11.65 | 167 | 584127 | 36.645 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 736387 | 36.919 | ng | | 99 |
| 74) Fluoranthene | 12.64 | 202 | 963290 | 61.410 | ng | | 100 |
| 76) Benzidine | 12.75 | 184 | 111969 | 19.625 | ng | | 98 |
| 77) Pyrene | 12.87 | 202 | 936800 | 78.732 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 284083 | 45.189 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.06 | 228 | 555760 | 56.125 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.02 | 252 | 107461 | 30.409 | ng | | 98 |
| 82) Chrysene | 14.10 | 228 | 497674 | 51.762 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 363843 | 42.889 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.64 | 149 | 532513 | 38.851 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 17.15 | 276 | 347844 | 45.698 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 455149 | 56.344 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 351239 | 46.175 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.53 | 252 | 383672 | 53.187 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 17.15 | 278 | 243556 | 43.694 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.62 | 276 | 294938 | 54.139 | ng | | 95 |

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

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