Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
Data File : BF110467.D
Acq On : 5 Nov 2018 16:16
Operator : JU/SJ
Sample : J5812-09MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP2-AMS

**Manual Integrations APPROVED**
Sohil
11/6/2018 1:19:13 PM

Quant Time: Nov 06 10:23:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.96 | 152 | 89244 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 380315 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.00 | 164 | 186447 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.49 | 188 | 340011 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 193434 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.66 | 264 | 160267 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 734143 | 133.96 | ng | | 0.01 |
| 7) Phenol-d6 | 6.59 | 99 | 952624 | 135.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 604208 | 94.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.80 | 330 | 243228 | 131.70 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.32 | 172 | 1058076 | 89.11 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.07 | 244 | 977782 | 105.13 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.87 | 88 | 82144 | 28.609 | ng | | 88 |
| 3) Pyridine | 3.64 | 79 | 227403 | 35.558 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.60 | 42 | 120726 | 45.058 | ng | | 88 |
| 6) Aniline | 6.62 | 93 | 306352 | 33.550 | ng | # | 54 |
| 8) 2-Chlorophenol | 6.75 | 128 | 274481 | 43.442 | ng | | 99 |
| 9) Benzaldehyde | 6.51 | 77 | 164368 | 40.532 | ng | | 98 |
| 10) Phenol | 6.60 | 94 | 390269 | 52.085 | ng | # | 63 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 248362 | 40.289 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 278377 | 40.036 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 278499 | 39.603 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.13 | 146 | 265116 | 40.611 | ng | | 99 |
| 15) Benzyl Alcohol | 7.10 | 79 | 240260 | 44.564 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 403081 | 40.896 | ng | | 70 |
| 17) 2-Methylphenol | 7.20 | 107 | 223789 | 44.443 | ng | # | 84 |
| 18) Hexachloroethane | 7.46 | 117 | 104262 | 40.496 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 190137 | 42.281 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.36 | 107 | 286150 | 43.963 | ng | | 91 |
| 22) Acetophenone | 7.37 | 105 | 382449 | 43.642 | ng | | 98 |
| 24) Nitrobenzene | 7.54 | 77 | 285412 | 43.114 | ng | | 96 |
| 25) Isophorone | 7.77 | 82 | 525003 | 48.034 | ng | | 97 |
| 26) 2-Nitrophenol | 7.86 | 139 | 147033 | 46.674 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 259034 | 49.596 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 332177 | 44.737 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 235312 | 44.596 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 243839 | 41.256 | ng | | 98 |
| 31) Naphthalene | 8.26 | 128 | 787633 | 44.935 | ng | | 100 |
| 32) Benzoic acid | 7.96 | 122 | 4781m | 1.184 | ng | | |
| 33) 4-Chloroaniline | 8.31 | 127 | 186962 | 23.700 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 130657 | 39.814 | ng | | 97 |
| 35) Caprolactam | 8.69 | 113 | 71678m | 38.974 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.79 | 107 | 261585 | 45.845 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 552463 | 47.637 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.05 | 142 | 517149 | 46.144 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 232034 | 39.942 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.10 | 237 | 206925 | 69.660 ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.23 | 196 | 160464 | 42.825 ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 9.27 | 196 | 174233 | 43.991 ng | | 96 |
| 46) 1,1'-Biphenyl | 9.42 | 154 | 674852 | 40.026 ng | | 100 |
| 47) 2-Chloronaphthalene | 9.45 | 162 | 510797 | 41.301 ng | | 100 |
| 48) 2-Nitroaniline | 9.55 | 65 | 167092 | 44.585 ng | | 95 |
| 49) Acenaphthylene | 9.86 | 152 | 798858 | 44.721 ng | | 99 |
| 50) Dimethylphthalate | 9.72 | 163 | 741710 | 53.891 ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.79 | 165 | 134496 | 45.367 ng | | 89 |
| 52) Acenaphthene | 10.03 | 154 | 478756 | 40.513 ng | | 98 |
| 53) 3-Nitroaniline | 9.96 | 138 | 116460 | 33.034 ng | | 90 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 19648 | 20.794 ng | | 95 |
| 55) Dibenzofuran | 10.20 | 168 | 688416 | 41.608 ng | | 100 |
| 56) 4-Nitrophenol | 10.13 | 139 | 273057 | 104.649 ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.19 | 165 | 176293 | 46.817 ng | | 94 |
| 58) Fluorene | 10.55 | 166 | 566279 | 45.988 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 136914m | 42.411 ng | | |
| 60) Diethylphthalate | 10.41 | 149 | 584076 | 43.474 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.53 | 204 | 265757 | 40.912 ng | | 96 |
| 62) 4-Nitroaniline | 10.58 | 138 | 145902 | 41.610 ng | | 92 |
| 63) Azobenzene | 10.70 | 77 | 570831 | 42.805 ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 50183 | 32.305 ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.66 | 169 | 493719 | 44.270 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.03 | 248 | 157063 | 42.586 ng | | 94 |
| 68) Hexachlorobenzene | 11.10 | 284 | 163258 | 41.720 ng | # | 89 |
| 69) Atrazine | 11.18 | 200 | 160804 | 45.626 ng | | 99 |
| 70) Pentachlorophenol | 11.30 | 266 | 133243 | 58.393 ng | | 96 |
| 71) Phenanthrene | 11.52 | 178 | 806706 | 45.344 ng | | 100 |
| 72) Anthracene | 11.57 | 178 | 828064 | 46.435 ng | | 99 |
| 73) Carbazole | 11.72 | 167 | 718429 | 41.262 ng | | 100 |
| 74) Di-n-butylphthalate | 12.03 | 149 | 889459 | 45.231 ng | | 99 |
| 75) Fluoranthene | 12.71 | 202 | 802927 | 44.469 ng | | 99 |
| 77) Benzidine | 12.83 | 184 | 347373 | Below Cal | | 96 |
| 78) Pyrene | 12.94 | 202 | 777529 | 56.068 ng | | 98 |
| 80) Butylbenzylphthalate | 13.54 | 149 | 326623 | 54.264 ng | | 94 |
| 81) Benzo(a)anthracene | 14.13 | 228 | 535913 | 46.719 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.08 | 252 | 119020 | 29.797 ng | | 99 |
| 83) Chrysene | 14.16 | 228 | 498654 | 45.768 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 429161 | 52.745 ng | | 96 |
| 85) Di-n-octyl phthalate | 14.70 | 149 | 606274 | 47.920 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.24 | 276 | 489655 | 54.174 ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.21 | 252 | 430063 | 46.469 ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.24 | 252 | 402542 | 44.243 ng | | 99 |
| 90) Benzo(a)pyrene | 15.60 | 252 | 404065 | 47.448 ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.24 | 278 | 406522 | 55.324 ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.71 | 276 | 412094 | 56.913 ng | | 97 |

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

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