Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107652.D
Acq On : 25 Jul 2018 13:05
Operator : JU/SJ
Sample : J4101-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1MS

**Manual Integrations APPROVED**
Sohil
7/26/2018 2:02:40 PM

Quant Time: Jul 25 14:22:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 245552 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.25 | 136 | 945349 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 442779 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 877123 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.16 | 240 | 649497 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.68 | 264 | 426615 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1615252 | 105.76 | ng | 0.02 |
| 7) Phenol-d6 | 6.61 | 99 | 1883196 | 102.69 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1386993 | 99.02 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 696068 | 138.24 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 2569695 | 106.36 | ng | -0.01 |
| 78) Terphenyl-d14 | 13.09 | 244 | 2566338 | 101.16 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 194081 | 27.303 | ng | # 68 |
| 3) Pyridine | 3.78 | 79 | 375263 | 19.405 | ng | # 82 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 270009 | 33.105 | ng | 97 |
| 6) Aniline | 6.65 | 93 | 138863 | 5.871 | ng | # 56 |
| 8) 2-Chlorophenol | 6.76 | 128 | 657644 | 40.193 | ng | 94 |
| 9) Benzaldehyde | 6.53 | 77 | 63590 | 3.282 | ng | 86 |
| 10) Phenol | 6.62 | 94 | 662058 | 30.698 | ng | 92 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 620741 | 34.716 | ng | 92 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 722040 | 38.921 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 768009 | 40.392 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 678588 | 39.769 | ng | 99 |
| 15) Benzyl Alcohol | 7.11 | 79 | 462288 | 36.989 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 1082042 | 35.871 | ng | 79 |
| 17) 2-Methylphenol | 7.22 | 107 | 558392 | 40.152 | ng | # 89 |
| 18) Hexachloroethane | 7.47 | 117 | 270873 | 40.616 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 460958 | 38.910 | ng | 100 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 700857 | 42.441 | ng | # 50 |
| 22) Acetophenone | 7.38 | 105 | 954147 | 42.977 | ng | # 90 |
| 24) Nitrobenzene | 7.55 | 77 | 709827 | 44.242 | ng | 98 |
| 25) Isophorone | 7.79 | 82 | 1292666 | 43.220 | ng | 97 |
| 26) 2-Nitrophenol | 7.87 | 139 | 388603 | 57.356 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 622337 | 48.526 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 808875 | 40.468 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 602672 | 45.976 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.19 | 180 | 628601 | 42.696 | ng | 98 |
| 31) Naphthalene | 8.27 | 128 | 1966961 | 47.316 | ng | 98 |
| 32) Benzoic acid | 8.04 | 122 | 372939 | 42.698 | ng | 99 |
| 33) 4-Chloroaniline | 8.34 | 127 | 47393 | 2.608 | ng | 95 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 372400 | 42.568 | ng | 99 |
| 35) Caprolactam | 8.71 | 113 | 171126m | 40.136 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 651981 | 44.776 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 1388556 | 48.202 | ng | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 651525 | 44.116 | ng | 98 |
| 40) Hexachlorocyclopentadiene | 9.11 | 237 | 720151 | 95.925 | ng | 98 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 414033 | 43.799 ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.30 | 196 | 456338 | 46.189 ng | | 97 |
| 45) 1,1'-Biphenyl | 9.43 | 154 | 1680215 | 43.561 ng | | 98 |
| 46) 2-Chloronaphthalene | 9.46 | 162 | 1267764 | 43.000 ng | | 99 |
| 47) 2-Nitroaniline | 9.56 | 65 | 410937 | 47.810 ng | | 91 |
| 48) Acenaphthylene | 9.88 | 152 | 2017154 | 45.545 ng | | 97 |
| 49) Dimethylphthalate | 9.73 | 163 | 1445728 | 43.323 ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 325246 | 49.090 ng | | 93 |
| 51) Acenaphthene | 10.05 | 154 | 1141739 | 41.145 ng | | 99 |
| 52) 3-Nitroaniline | 9.98 | 138 | 35341 | 4.385 ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 384175 | 105.911 ng | # | 21 |
| 54) Dibenzofuran | 10.22 | 168 | 1741679 | 42.633 ng | | 96 |
| 55) 4-Nitrophenol | 10.15 | 139 | 434441 | 71.990 ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 403752 | 50.485 ng | # | 95 |
| 57) Fluorene | 10.57 | 166 | 1382079 | 47.421 ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 398041 | 48.409 ng | | 87 |
| 59) Diethylphthalate | 10.42 | 149 | 1458208 | 41.840 ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204 | 686632 | 41.673 ng | | 94 |
| 61) 4-Nitroaniline | 10.60 | 138 | 224723 | 33.185 ng | | 95 |
| 62) Azobenzene | 10.71 | 77 | 1343288 | 41.104 ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 239790 | 55.069 ng | | 83 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 910577 | 30.567 ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 428350 | 41.486 ng | | 91 |
| 67) Hexachlorobenzene | 11.11 | 284 | 475077 | 41.817 ng | # | 85 |
| 68) Atrazine | 11.20 | 200 | 159354 | 17.520 ng | | 95 |
| 69) Pentachlorophenol | 11.31 | 266 | 507044 | 71.453 ng | | 99 |
| 70) Phenanthrene | 11.54 | 178 | 1883424 | 44.064 ng | | 99 |
| 71) Anthracene | 11.58 | 178 | 2040531 | 47.415 ng | | 98 |
| 72) Carbazole | 11.74 | 167 | 1319593 | 29.487 ng | | 99 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 2132386 | 46.893 ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 2124264 | 46.315 ng | | 97 |
| 77) Pyrene | 12.95 | 202 | 2079259 | 46.802 ng | | 98 |
| 79) Butylbenzylphthalate | 13.56 | 149 | 942457 | 49.328 ng | # | 91 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 1737963 | 45.662 ng | | 98 |
| 82) Chrysene | 14.19 | 228 | 1692265 | 46.285 ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 1248358 | 46.308 ng | | 99 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 1896013 | 45.248 ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.27 | 276 | 1402138 | 45.249 ng | # | 93 |
| 87) Benzo(b)fluoranthene | 15.23 | 252 | 1441274 | 61.730 ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 1299779m | 56.822 ng | | |
| 89) Benzo(a)pyrene | 15.62 | 252 | 1241841 | 58.146 ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.28 | 278 | 1175057 | 63.648 ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.75 | 276 | 1184063 | 65.021 ng | | 93 |

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

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