Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114257.D
Acq On : 14 May 2019 17:06
Operator : JU/SJ
Sample : K2766-12MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P026-SS008-0206-01MS

**Manual Integrations APPROVED**
mohammad
5/16/2019 9:10:02 AM

Quant Time: May 15 02:20:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 231916 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 888249 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 421913 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 785791 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 524006 | 20.00 | ng | | 0.01 |
| 87) Perylene-d12 | 15.53 | 264 | 562330 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1580169 | 109.65 | ng | | 0.01 |
| 7) Phenol-d6 | 6.51 | 99 | 2080471 | 122.06 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1347055 | 85.11 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 452627 | 103.77 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 2072018 | 74.29 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 1852854 | 72.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 246508 | 31.120 | ng | | 99 |
| 3) Pyridine | 3.43 | 79 | 136743 | 6.265 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 376515 | 35.775 | ng | # | 92 |
| 8) 2-Chlorophenol | 6.65 | 128 | 640111 | 41.606 | ng | | 97 |
| 9) Benzaldehyde | 6.40 | 77 | 220490 | 18.478 | ng | | 99 |
| 10) Phenol | 6.52 | 94 | 796180 | 39.708 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 650595 | 42.739 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 643441 | 37.258 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 656144 | 37.705 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 612481 | 38.524 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 532999 | 40.094 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 1142714 | 38.716 | ng | | 53 |
| 17) 2-Methylphenol | 7.12 | 107 | 502500 | 39.761 | ng | # | 92 |
| 18) Hexachloroethane | 7.37 | 117 | 240291 | 36.786 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 448816 | 41.543 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 624223 | 42.750 | ng | # | 60 |
| 22) Acetophenone | 7.26 | 105 | 874314 | 44.432 | ng | # | 89 |
| 24) Nitrobenzene | 7.44 | 77 | 696229 | 43.189 | ng | | 97 |
| 25) Isophorone | 7.67 | 82 | 1257769 | 42.848 | ng | | 98 |
| 26) 2-Nitrophenol | 7.76 | 139 | 361422 | 46.211 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 529848 | 43.134 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 806350 | 42.337 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 523134 | 42.769 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 541731 | 38.948 | ng | | 97 |
| 31) Naphthalene | 8.16 | 128 | 1756180 | 42.326 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 295698 | 35.843 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 300483 | 37.968 | ng | | 100 |
| 35) Caprolactam | 8.59 | 113 | 138239m | 34.660 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 552202 | 44.850 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 1171903 | 43.777 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 1105558 | 43.854 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 530037 | 41.472 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 258028 | 45.317 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 361282 | 41.097 | ng | | 100 |

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|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.18 | 196 | 375873 | 41.692 | ng | 95 |
| 46) 1,1'-Biphenyl | 9.31 | 154 | 1429459 | 41.938 | ng | 97 |
| 47) 2-Chloronaphthalene | 9.34 | 162 | 1083470 | 39.498 | ng | 99 |
| 48) 2-Nitroaniline | 9.44 | 65 | 403985 | 41.526 | ng | 96 |
| 49) Acenaphthylene | 9.76 | 152 | 1708997 | 40.962 | ng | 99 |
| 50) Dimethylphthalate | 9.61 | 163 | 1660473 | 53.611 | ng | 97 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 292777 | 42.619 | ng | 88 |
| 52) Acenaphthene | 9.93 | 154 | 997366 | 38.957 | ng | 99 |
| 53) 3-Nitroaniline | 9.85 | 138 | 69040 | 8.096 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 190257 | 57.180 | ng | 96 |
| 55) Dibenzofuran | 10.10 | 168 | 1475772 | 39.311 | ng | 98 |
| 56) 4-Nitrophenol | 10.03 | 139 | 406163 | 67.350 | ng | 88 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 378785 | 40.624 | ng | 94 |
| 58) Fluorene | 10.44 | 166 | 1174269 | 40.496 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 300473 | 38.627 | ng | 99 |
| 60) Diethylphthalate | 10.31 | 149 | 1253284 | 39.825 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204 | 573528 | 40.270 | ng | 97 |
| 62) 4-Nitroaniline | 10.46 | 138 | 110918 | 12.378 | ng | 98 |
| 63) Azobenzene | 10.59 | 77 | 1228103 | 40.317 | ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 135622 | 35.918 | ng | 89 |
| 66) n-Nitrosodiphenylamine | 10.55 | 169 | 1021717 | 42.841 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 359128 | 41.509 | ng | 97 |
| 68) Hexachlorobenzene | 11.00 | 284 | 402042 | 42.005 | ng | 93 |
| 69) Atrazine | 11.08 | 200 | 278298 | 37.498 | ng | 99 |
| 70) Pentachlorophenol | 11.19 | 266 | 334643 | 73.755 | ng | 98 |
| 71) Phenanthrene | 11.40 | 178 | 1653522 | 43.252 | ng | 99 |
| 72) Anthracene | 11.46 | 178 | 1623212 | 42.273 | ng | 99 |
| 73) Carbazole | 11.61 | 167 | 1473531 | 40.242 | ng | 98 |
| 74) Di-n-butylphthalate | 11.93 | 149 | 1320573 | 31.304 | ng | 100 |
| 75) Fluoranthene | 12.60 | 202 | 1701601 | 41.333 | ng | 99 |
| 78) Pyrene | 12.83 | 202 | 1776518 | 42.144 | ng | 99 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 713772 | 40.229 | ng | 95 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 1494061 | 44.082 | ng | 100 |
| 83) Chrysene | 14.06 | 228 | 1304608 | 39.267 | ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1090785 | 47.006 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1853962 | 49.285 | ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.03 | 276 | 1393846 | 47.470 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 1597368 | 44.339 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 1476190 | 44.607 | ng | 99 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 1464381 | 46.186 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.04 | 278 | 1146661 | 43.523 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.49 | 276 | 1163929 | 44.084 | ng | 99 |

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

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