Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091936.D
Acq On : 23 Dec 2016 20:55
Operator : UM/SJ
Sample : H6068-05MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** H6058-05MS

Quant Time: Dec 23 23:09:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 230116 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.03 | 136 | 851811 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 407851 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 583227 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.89 | 240 | 455224 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.29 | 264 | 457032 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 1724219 | 125.11 | ng | | 0.05 |
| 7) Phenol-d6 | 6.44 | 99 | 2170338 | 128.99 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 1433692 | 93.59 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 369002 | 109.33 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 1936640 | 99.49 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.84 | 244 | 1282271 | 68.31 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.33 | 88 | 235709 | 34.74 | ng | | 99 |
| 3) Pyridine | 3.01 | 79 | 533210 | 22.52 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 373214 | 41.78 | ng | | 96 |
| 6) Aniline | 6.41 | 93 | 327446 | 14.98 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.54 | 128 | 619177 | 39.50 | ng | | 97 |
| 9) Benzaldehyde | 6.28 | 77 | 96867 | 7.67 | ng | | 94 |
| 10) Phenol | 6.45 | 94 | 1013149 | 52.84 | ng | # | 72 |
| 11) bis(2-Chloroethyl)ether | 6.49 | 93 | 676505 | 44.34 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.68 | 146 | 669691 | 40.02 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 686372 | 40.29 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.91 | 146 | 563235 | 38.11 | ng | | 95 |
| 15) Benzyl Alcohol | 6.91 | 79 | 583622 | 44.64 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.04 | 45 | 927900 | 40.84 | ng | | 67 |
| 17) 2-Methylphenol | 7.05 | 107 | 545704 | 43.28 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 254696 | 40.33 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 516861 | 46.17 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 747223 | 49.69 | ng | # | 74 |
| 22) Acetophenone | 7.16 | 105 | 955246 | 45.47 | ng | | 94 |
| 24) Nitrobenzene | 7.33 | 77 | 673393 | 41.27 | ng | | 100 |
| 25) Isophorone | 7.57 | 82 | 1270038 | 44.94 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.65 | 139 | 362486 | 45.05 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.71 | 122 | 535259 | 40.11 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 811716 | 47.36 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 529517 | 46.86 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 511138 | 41.28 | ng | # | 94 |
| 31) Naphthalene | 8.05 | 128 | 1630077 | 41.81 | ng | | 100 |
| 32) Benzoic acid | 7.85 | 122 | 174613 | 17.64 | ng | | 95 |
| 33) 4-Chloroaniline | 8.11 | 127 | 199579 | 11.35 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 292987 | 44.82 | ng | | 98 |
| 35) Caprolactam | 8.46 | 113 | 276093m | 74.35 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 516801 | 39.74 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 1123598 | 49.22 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 426897 | 41.43 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 185738 | 42.44 | ng | | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.04 | 196 | 298338 | 41.40 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.09 | 196 | 306961 | 41.39 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 1184200 | 42.41 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.24 | 162 | 920431 | 41.62 | ng | | 99 |
| 47) 2-Nitroaniline | 9.34 | 65 | 352859 | 44.81 | ng | # | 76 |
| 48) Acenaphthylene | 9.65 | 152 | 1423341 | 41.85 | ng | | 99 |
| 49) Dimethylphthalate | 9.52 | 163 | 1179224 | 45.21 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.58 | 165 | 262885 | 46.04 | ng | # | 87 |
| 51) Acenaphthene | 9.82 | 154 | 932401 | 40.44 | ng | | 100 |
| 52) 3-Nitroaniline | 9.76 | 138 | 151100 | 21.38 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 9.86 | 184 | 81432 | 25.63 | ng | # | 62 |
| 54) Dibenzofuran | 10.00 | 168 | 1254716 | 40.29 | ng | | 99 |
| 55) 4-Nitrophenol | 9.96 | 139 | 382628 | 79.76 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 9.98 | 165 | 322674 | 45.03 | ng | # | 96 |
| 57) Fluorene | 10.34 | 166 | 998781 | 44.09 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 229287 | 39.09 | ng | # | 87 |
| 59) Diethylphthalate | 10.21 | 149 | 1000617 | 39.50 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204 | 406805 | 41.01 | ng | | 99 |
| 61) 4-Nitroaniline | 10.36 | 138 | 195998 | 26.77 | ng | | 84 |
| 62) Azobenzene | 10.49 | 77 | 1160311 | 41.60 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.40 | 198 | 78245 | 22.19 | ng | # | 61 |
| 65) n-Nitrosodiphenylamine | 10.45 | 169 | 847781 | 48.99 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 280497 | 46.23 | ng | | 90 |
| 67) Hexachlorobenzene | 10.89 | 284 | 270830 | 41.76 | ng | | 96 |
| 68) Atrazine | 10.98 | 200 | 261420 | 46.83 | ng | | 98 |
| 69) Pentachlorophenol | 11.08 | 266 | 249459 | 78.40 | ng | | 99 |
| 70) Phenanthrene | 11.29 | 178 | 1299023 | 41.08 | ng | | 98 |
| 71) Anthracene | 11.34 | 178 | 1337577 | 49.32 | ng | | 99 |
| 72) Carbazole | 11.50 | 167 | 1144432 | 43.15 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.84 | 149 | 1576585 | 53.38 | ng | | 98 |
| 74) Fluoranthene | 12.48 | 202 | 1308286 | 47.35 | ng | | 94 |
| 76) Benzidine | 12.60 | 184 | 391271 | 31.30 | ng | | 96 |
| 77) Pyrene | 12.71 | 202 | 1262772 | 37.81 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 620106 | 40.82 | ng | | 91 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 989623 | 38.51 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 271007 | 27.81 | ng | | 97 |
| 82) Chrysene | 13.92 | 228 | 863385 | 33.50 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 753082 | 42.10 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.49 | 149 | 1345853 | 40.61 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 962719 | 43.11 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.90 | 252 | 1134112m | 39.86 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 868816m | 35.81 | ng | | |
| 89) Benzo(a)pyrene | 15.23 | 252 | 979427 | 38.78 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.64 | 278 | 798450 | 38.46 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.03 | 276 | 778965 | 36.09 | ng | | 98 |

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

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