Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084484.D
Acq On : 14 Jan 2016 11:59
Operator : SJ/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jan 14 16:35:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 280274 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1138599 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 469234 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 748727 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 584000 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 582931 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 1432853 | 82.69 | ng | | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 1683592 | 77.36 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1462296 | 71.48 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 333266 | 70.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 2298964 | 86.28 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.95 | 244 | 1734558 | 66.30 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 352052 | 42.89 | ng | # | 83 |
| 3) Pyridine | 3.12 | 79 | 995318 | 43.49 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.07 | 42 | 416472 | 35.45 | ng | # | 92 |
| 6) Aniline | 6.50 | 93 | 1194676 | 37.53 | ng | | 95 |
| 8) 2-Chlorophenol | 6.62 | 128 | 827446 | 42.09 | ng | | 94 |
| 9) Benzaldehyde | 6.38 | 77 | 522025 | 36.84 | ng | | 88 |
| 10) Phenol | 6.49 | 94 | 893796 | 36.12 | ng | | 77 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 810516 | 42.29 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 829882 | 40.92 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 864562 | 42.51 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 725311 | 37.24 | ng | | 94 |
| 15) Benzyl Alcohol | 6.98 | 79 | 599892 | 32.77 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1202577 | 34.45 | ng | | 86 |
| 17) 2-Methylphenol | 7.10 | 107 | 680148 | 41.28 | ng | | 98 |
| 18) Hexachloroethane | 7.34 | 117 | 290204 | 35.68 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 490623 | 33.30 | ng | # | 74 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 701627 | 36.23 | ng | # | 55 |
| 22) Acetophenone | 7.25 | 105 | 1076345 | 39.31 | ng | # | 93 |
| 24) Nitrobenzene | 7.42 | 77 | 895756 | 43.17 | ng | | 97 |
| 25) Isophorone | 7.66 | 82 | 1517092 | 38.77 | ng | | 97 |
| 26) 2-Nitrophenol | 7.74 | 139 | 376067 | 39.82 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 696751 | 36.45 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 963635 | 40.32 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 625500 | 39.28 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 652503 | 39.69 | ng | | 96 |
| 31) Naphthalene | 8.14 | 128 | 2023145 | 39.16 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 231419 | 22.62 | ng | | 97 |
| 33) 4-Chloroaniline | 8.20 | 127 | 933020 | 39.40 | ng | # | 88 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 360667 | 38.17 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 182898 | 34.07 | ng | # | 52 |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 621099 | 34.82 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 1383646 | 37.31 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 611906 | 45.36 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 8.99 | 237 | 102149 | 12.54 | ng | | 99 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 393260 | 38.97 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 403380 | 41.69 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 1540986 | 41.32 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 1134045 | 38.71 | ng | | 95 |
| 47) 2-Nitroaniline | 9.42 | 65 | 443815 | 45.90 | ng | # | 74 |
| 48) Acenaphthylene | 9.73 | 152 | 1755915 | 40.57 | ng | | 97 |
| 49) Dimethylphthalate | 9.61 | 163 | 1497242 | 44.63 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 314241 | 42.71 | ng | # | 73 |
| 51) Acenaphthene | 9.90 | 154 | 1135847 | 39.13 | ng | | 96 |
| 52) 3-Nitroaniline | 9.84 | 138 | 417686 | 45.82 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 31443 | 13.14 | ng | | 86 |
| 54) Dibenzofuran | 10.08 | 168 | 1530012 | 40.39 | ng | | 92 |
| 55) 4-Nitrophenol | 10.00 | 139 | 213736 | 32.30 | ng | # | 71 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 385339 | 41.38 | ng | | 98 |
| 57) Fluorene | 10.42 | 166 | 1088294 | 37.01 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 308042 | 37.29 | ng | | 87 |
| 59) Diethylphthalate | 10.30 | 149 | 1373988 | 41.54 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 579978 | 47.77 | ng | | 92 |
| 61) 4-Nitroaniline | 10.44 | 138 | 304550 | 37.47 | ng | | 86 |
| 62) Azobenzene | 10.58 | 77 | 1447482 | 39.90 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 60750 | 16.42 | ng | # | 37 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 1007058 | 42.07 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 360757 | 44.77 | ng | | 95 |
| 67) Hexachlorobenzene | 10.97 | 284 | 345521 | 38.09 | ng | # | 87 |
| 68) Atrazine | 11.06 | 200 | 296023 | 37.79 | ng | | 99 |
| 69) Pentachlorophenol | 11.16 | 266 | 144440 | 30.71 | ng | | 96 |
| 70) Phenanthrene | 11.38 | 178 | 1520979 | 38.84 | ng | | 97 |
| 71) Anthracene | 11.44 | 178 | 1678099 | 43.71 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 1392226 | 37.09 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 1919987 | 49.30 | ng | | 98 |
| 74) Fluoranthene | 12.57 | 202 | 1446044 | 35.34 | ng | | 99 |
| 76) Benzidine | 12.69 | 184 | 735338 | 35.12 | ng | | 99 |
| 77) Pyrene | 12.80 | 202 | 1484029 | 32.38 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.41 | 149 | 651181 | 32.84 | ng | # | 83 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 1243500 | 36.26 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 541437 | 45.24 | ng | # | 98 |
| 82) Chrysene | 14.02 | 228 | 1187587 | 36.04 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 832229 | 33.22 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 1529785 | 36.17 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 1260380 | 48.25 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 1495410m | 39.22 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 1074590m | 34.46 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 1273031 | 39.36 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.82 | 278 | 1044967 | 37.55 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 1010297 | 35.05 | ng | | 99 |

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

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