Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123114\
Data File : BF076705.D
Acq On : 31 Dec 2014 16:59
Operator : IZ / TP
Sample : IDOC-02-W-RS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IDOC-02-W-RS

Quant Time: Jan 01 06:27:49 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 31 23:59:08 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 40814 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 170063 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.45 | 164 | 98903 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.25 | 188 | 164054 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 15.50 | 240 | 149474 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.16 | 264 | 136975 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.90 | 112 | 146703 | 60.94 | ng | | 0.00 |
| 7) Phenol-d6 | 6.32 | 99 | 109603 | 37.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 278599 | 97.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.42 | 330 | 118709 | 142.01 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.66 | 172 | 559170 | 87.98 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.24 | 244 | 605352 | 89.33 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.41 | 88 | 13837 | 13.45 | ng | # | 100 |
| 3) Pyridine | 1.94 | 79 | 32123 | 12.40 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 1.88 | 42 | 20597 | 16.44 | ng | # | 83 |
| 6) Aniline | 6.30 | 93 | 64082m | 15.26 | ng | | |
| 8) 2-Chlorophenol | 6.45 | 128 | 100018 | 36.28 | ng | | 95 |
| 9) Benzaldehyde | 6.15 | 77 | 9287 | 4.15 | ng | | 97 |
| 10) Phenol | 6.33 | 94 | 43292 | 12.13 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.42 | 93 | 126806 | 49.37 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 128105 | 40.02 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.74 | 146 | 133827 | 41.28 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.93 | 146 | 128471 | 41.79 | ng | | 97 |
| 15) Benzyl Alcohol | 6.93 | 79 | 73243 | 28.77 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 180541 | 48.52 | ng | | 98 |
| 17) 2-Methylphenol | 7.10 | 107 | 67597 | 29.84 | ng | | 95 |
| 18) Hexachloroethane | 7.34 | 117 | 48952 | 42.25 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 93390 | 43.49 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 76758 | 25.09 | ng | | 93 |
| 22) Acetophenone | 7.25 | 105 | 215085 | 52.77 | ng | # | 98 |
| 24) Nitrobenzene | 7.45 | 77 | 151401 | 51.06 | ng | | 99 |
| 25) Isophorone | 7.76 | 82 | 278515 | 50.53 | ng | | 94 |
| 26) 2-Nitrophenol | 7.85 | 139 | 66732 | 46.09 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 99124 | 42.29 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 8.06 | 93 | 169188 | 52.29 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 101184 | 43.92 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.24 | 180 | 112121 | 45.15 | ng | # | 93 |
| 31) Naphthalene | 8.33 | 128 | 398229 | 47.27 | ng | | 98 |
| 32) Benzoic acid | 8.06 | 122 | 16705 | 15.56 | ng | | 99 |
| 33) 4-Chloroaniline | 8.42 | 127 | 83796 | 24.37 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.49 | 225 | 65053 | 45.06 | ng | | 93 |
| 35) Caprolactam | 8.85 | 113 | 4618 | 6.95 | ng | # | 76 |
| 36) 4-Chloro-3-methylphenol | 9.04 | 107 | 98399 | 38.39 | ng | # | 86 |
| 37) 2-Methylnaphthalene | 9.19 | 142 | 269281 | 45.81 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.38 | 216 | 114712 | 47.15 | ng | # | 79 |
| 40) Hexachlorocyclopentadiene | 9.37 | 237 | 104175 | 74.48 | ng | | 94 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.54 | 196 | 76285 | 43.22 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.59 | 196 | 80623 | 42.45 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.77 | 154 | 339546 | 46.21 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.77 | 162 | 264912 | 45.46 | ng | | 96 |
| 47) 2-Nitroaniline | 9.92 | 65 | 93884 | 52.96 | ng | # | 86 |
| 48) Acenaphthylene | 10.28 | 152 | 436668 | 44.06 | ng | | 99 |
| 49) Dimethylphthalate | 10.17 | 163 | 342753 | 48.99 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.24 | 165 | 69605 | 48.56 | ng | | 95 |
| 51) Acenaphthene | 10.49 | 154 | 252330 | 45.00 | ng | | 98 |
| 52) 3-Nitroaniline | 10.42 | 138 | 53279 | 32.73 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 10.56 | 184 | 54734 | 70.06 | ng | # | 60 |
| 54) Dibenzofuran | 10.70 | 168 | 370599 | 45.69 | ng | | 96 |
| 55) 4-Nitrophenol | 10.68 | 139 | 34404m | 27.57 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.72 | 165 | 98525 | 51.57 | ng | # | 78 |
| 57) Fluorene | 11.12 | 166 | 321686 | 47.21 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.87 | 232 | 63945 | 45.28 | ng | # | 100 |
| 59) Diethylphthalate | 11.04 | 149 | 362957 | 50.79 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.14 | 204 | 144843 | 49.12 | ng | # | 86 |
| 61) 4-Nitroaniline | 11.17 | 138 | 61534 | 35.97 | ng | | 86 |
| 62) Azobenzene | 11.34 | 77 | 343753 | 48.82 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 11.21 | 198 | 41475 | 40.41 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 11.29 | 169 | 251540 | 43.65 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.74 | 248 | 82909 | 51.88 | ng | # | 83 |
| 67) Hexachlorobenzene | 11.78 | 284 | 90444 | 48.49 | ng | | 97 |
| 68) Atrazine | 11.98 | 200 | 87737 | 50.95 | ng | | 99 |
| 69) Pentachlorophenol | 12.04 | 266 | 88442 | 96.87 | ng | | 96 |
| 70) Phenanthrene | 12.29 | 178 | 460659 | 46.54 | ng | | 99 |
| 71) Anthracene | 12.36 | 178 | 474292 | 48.84 | ng | | 98 |
| 72) Carbazole | 12.56 | 167 | 416873 | 44.26 | ng | | 97 |
| 73) Di-n-butylphthalate | 13.05 | 149 | 598664 | 51.75 | ng | # | 97 |
| 74) Fluoranthene | 13.74 | 202 | 486554 | 48.14 | ng | | 97 |
| 76) Benzidine | 13.95 | 184 | 177182 | 28.44 | ng | | 99 |
| 77) Pyrene | 14.01 | 202 | 521054 | 49.83 | ng | | 99 |
| 79) Butylbenzylphthalate | 14.88 | 149 | 267060 | 53.42 | ng | | 99 |
| 80) Benzo(a)anthracene | 15.49 | 228 | 450867 | 48.44 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 15.49 | 252 | 113076 | 36.34 | ng | | 99 |
| 82) Chrysene | 15.52 | 228 | 428337 | 50.29 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.60 | 149 | 418558 | 55.34 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 16.38 | 149 | 707983 | 54.82 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 18.32 | 276 | 450127 | 48.16 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 16.75 | 252 | 443822 | 49.12 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 16.77 | 252 | 389215m | 46.25 | ng | | |
| 89) Benzo(a)pyrene | 17.10 | 252 | 392816 | 48.72 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 18.35 | 278 | 387677 | 48.51 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 18.63 | 276 | 389412 | 50.08 | ng | | 98 |

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

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