Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
Data File : BF099669.D
Acq On : 19 Oct 2017 20:55
Operator : SJ/JU
Sample : PB103438BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB103438BS

Quant Time: Oct 20 13:33:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 20 13:11:43 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 89824 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 376134 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 167352 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 253247 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 157127 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 172624 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 427944 | 75.84 | ng | | 0.02 |
| 7) Phenol-d6 | 6.46 | 99 | 508437 | 73.04 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 433104 | 73.84 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 96025 | 70.12 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 863459 | 86.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 565736 | 81.88 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 75756 | 28.106 | ng | | 95 |
| 3) Pyridine | 3.42 | 79 | 197531 | 27.090 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.37 | 42 | 79764 | 25.797 | ng | # | 74 |
| 6) Aniline | 6.49 | 93 | 174495 | 18.574 | ng | # | 84 |
| 8) 2-Chlorophenol | 6.61 | 128 | 221392 | 34.647 | ng | | 93 |
| 9) Benzaldehyde | 6.37 | 77 | 55926 | 13.851 | ng | | 97 |
| 10) Phenol | 6.48 | 94 | 265599 | 34.118 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 202649 | 33.485 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 232662 | 34.767 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 238361 | 35.008 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 217099 | 34.508 | ng | | 97 |
| 15) Benzyl Alcohol | 6.97 | 79 | 156533 | 30.654 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 264816 | 28.085 | ng | | 74 |
| 17) 2-Methylphenol | 7.08 | 107 | 178324 | 34.107 | ng | | 97 |
| 18) Hexachloroethane | 7.33 | 117 | 79286 | 32.397 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 137547 | 30.950 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 224221 | 33.899 | ng | # | 85 |
| 22) Acetophenone | 7.23 | 105 | 287212 | 31.516 | ng | # | 98 |
| 24) Nitrobenzene | 7.41 | 77 | 211151 | 31.736 | ng | | 90 |
| 25) Isophorone | 7.65 | 82 | 393736 | 32.470 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 119921 | 37.482 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 194200 | 32.141 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 260628 | 34.489 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 182632 | 35.205 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 188931 | 36.414 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 625284 | 35.396 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 102963 | 20.745 | ng | | 95 |
| 33) 4-Chloroaniline | 8.17 | 127 | 109147 | 14.795 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 93533 | 34.999 | ng | | 100 |
| 35) Caprolactam | 8.55 | 113 | 56023 | 33.667 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 183810 | 31.524 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 425419 | 37.044 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 173649 | 34.793 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 40815 | 17.895 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.10 | 196 | 114436 | 32.366 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 120339 | 34.095 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 503427 | 35.002 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 389176 | 36.038 | ng | | 96 |
| 47) 2-Nitroaniline | 9.41 | 65 | 100680 | 30.448 | ng | | 84 |
| 48) Acenaphthylene | 9.72 | 152 | 572149 | 34.610 | ng | | 99 |
| 49) Dimethylphthalate | 9.57 | 163 | 449947 | 35.623 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 96529 | 35.104 | ng | | 91 |
| 51) Acenaphthene | 9.89 | 154 | 334574 | 31.950 | ng | | 98 |
| 52) 3-Nitroaniline | 9.82 | 138 | 69287 | 21.610 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 28825 | 24.495 | ng | # | 87 |
| 54) Dibenzofuran | 10.06 | 168 | 491987 | 35.286 | ng | | 99 |
| 55) 4-Nitrophenol | 9.99 | 139 | 107196 | 39.539 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 112497 | 31.523 | ng | | 97 |
| 57) Fluorene | 10.40 | 166 | 392886 | 35.058 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 80045 | 32.830 | ng | | 94 |
| 59) Diethylphthalate | 10.27 | 149 | 420980 | 34.109 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 181529 | 36.060 | ng | | 97 |
| 61) 4-Nitroaniline | 10.43 | 138 | 80494 | 26.022 | ng | | 90 |
| 62) Azobenzene | 10.56 | 77 | 365705 | 32.226 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 28849 | 18.723 | ng | # | 78 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 346201 | 39.461 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 99680 | 40.212 | ng | | 96 |
| 67) Hexachlorobenzene | 10.96 | 284 | 95705 | 36.149 | ng | # | 88 |
| 68) Atrazine | 11.04 | 200 | 102965 | 39.008 | ng | | 99 |
| 69) Pentachlorophenol | 11.15 | 266 | 64833 | 39.347 | ng | | 99 |
| 70) Phenanthrene | 11.37 | 178 | 487702 | 35.978 | ng | | 98 |
| 71) Anthracene | 11.42 | 178 | 504130 | 36.347 | ng | | 98 |
| 72) Carbazole | 11.58 | 167 | 435198 | 32.041 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 610132 | 37.320 | ng | | 99 |
| 74) Fluoranthene | 12.56 | 202 | 418745 | 30.506 | ng | | 100 |
| 76) Benzidine | 12.68 | 184 | 216020 | 37.171 | ng | | 97 |
| 77) Pyrene | 12.79 | 202 | 412854 | 34.458 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 198905 | 35.323 | ng | | 91 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 340811 | 35.820 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 109619 | 31.429 | ng | | 99 |
| 82) Chrysene | 14.02 | 228 | 325317 | 35.914 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 276015 | 35.598 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 468283 | 37.508 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 355940 | 49.122 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 369165 | 34.782 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 323985 | 30.905 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 345797 | 35.493 | ng | # | 93 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 301589 | 38.681 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.36 | 276 | 287889 | 37.354 | ng | | 96 |

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

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