Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098914.D
Acq On : 28 Sep 2017 18:42
Operator : SJ/JU
Sample : PB102707BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB102707BS

**Manual Integrations APPROVED**
Sohil
9/29/2017 6:04:23 PM

Quant Time: Sep 29 01:43:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.92 | 152 | 109915 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.20 | 136 | 469498 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.96 | 164 | 217700 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.44 | 188 | 391367 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 282790 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.57 | 264 | 237252 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 798158 | 115.60 | ng | | 0.00 |
| 7) Phenol-d6 | 6.55 | 99 | 964649 | 113.25 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.48 | 82 | 585659 | 80.00 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 203641 | 114.32 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.27 | 172 | 1074129 | 82.37 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.03 | 244 | 996075 | 80.10 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.76 | 88 | 101024 | 30.629 | ng | | 99 |
| 3) Pyridine | 3.55 | 79 | 289643 | 32.462 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 142670 | 37.708 | ng | | 96 |
| 6) Aniline | 6.58 | 93 | 338614 | 29.455 | ng | | 99 |
| 8) 2-Chlorophenol | 6.70 | 128 | 292744 | 37.439 | ng | | 97 |
| 9) Benzaldehyde | 6.47 | 77 | 66536 | 13.466 | ng | | 96 |
| 10) Phenol | 6.56 | 94 | 374394 | 39.302 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.65 | 93 | 280995 | 37.944 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.86 | 146 | 299262 | 36.545 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.93 | 146 | 307480 | 36.905 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.09 | 146 | 286827 | 37.258 | ng | | 100 |
| 15) Benzyl Alcohol | 7.06 | 79 | 253891 | 40.632 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.19 | 45 | 442484 | 38.350 | ng | | 99 |
| 17) 2-Methylphenol | 7.16 | 107 | 246742 | 38.566 | ng | | 99 |
| 18) Hexachloroethane | 7.43 | 117 | 112337 | 37.511 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 198771 | 36.551 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 308281 | 38.089 | ng | # | 85 |
| 22) Acetophenone | 7.32 | 105 | 395222 | 34.744 | ng | # | 97 |
| 24) Nitrobenzene | 7.50 | 77 | 309656 | 37.287 | ng | | 99 |
| 25) Isophorone | 7.73 | 82 | 553724 | 36.583 | ng | | 98 |
| 26) 2-Nitrophenol | 7.82 | 139 | 160251 | 40.127 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 271000 | 35.933 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 351672 | 37.282 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 241591 | 37.310 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.14 | 180 | 239246 | 36.942 | ng | | 98 |
| 31) Naphthalene | 8.22 | 128 | 825476 | 37.436 | ng | | 100 |
| 32) Benzoic acid | 7.96 | 122 | 180889 | 29.199 | ng | | 99 |
| 33) 4-Chloroaniline | 8.26 | 127 | 245571 | 26.668 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 122162 | 36.622 | ng | | 98 |
| 35) Caprolactam | 8.63 | 113 | 83377m | 40.141 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 270811 | 37.209 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.91 | 142 | 570723 | 39.814 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 216060 | 33.279 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 236297 | 79.641 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.19 | 196 | 167767 | 36.476 | ng | 98 |
| 43) 2,4,5-Trichlorophenol | 9.23 | 196 | 175157 | 38.149 | ng | 97 |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 658477 | 35.194 | ng | 99 |
| 46) 2-Chloronaphthalene | 9.40 | 162 | 517999 | 36.874 | ng | 97 |
| 47) 2-Nitroaniline | 9.50 | 65 | 172086 | 40.006 | ng | 97 |
| 48) Acenaphthylene | 9.82 | 152 | 798065 | 37.111 | ng | 99 |
| 49) Dimethylphthalate | 9.67 | 163 | 623047 | 37.919 | ng | 99 |
| 50) 2,6-Dinitrotoluene | 9.74 | 165 | 138805 | 38.804 | ng | 89 |
| 51) Acenaphthene | 9.99 | 154 | 550860 | 40.438 | ng | 99 |
| 52) 3-Nitroaniline | 9.90 | 138 | 126549 | 30.341 | ng | 99 |
| 53) 2,4-Dinitrophenol | 10.02 | 184 | 118740 | 64.941 | ng | 93 |
| 54) Dibenzofuran | 10.16 | 168 | 727130 | 40.090 | ng | 99 |
| 55) 4-Nitrophenol | 10.07 | 139 | 262873 | 74.536 | ng | 90 |
| 56) 2,4-Dinitrotoluene | 10.14 | 165 | 189768 | 40.877 | ng | 99 |
| 57) Fluorene | 10.50 | 166 | 563785 | 38.673 | ng | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 133287 | 42.024 | ng | 97 |
| 59) Diethylphthalate | 10.37 | 149 | 629801 | 39.227 | ng | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 251489 | 38.404 | ng | 98 |
| 61) 4-Nitroaniline | 10.52 | 138 | 158781 | 39.459 | ng | 95 |
| 62) Azobenzene | 10.66 | 77 | 612184 | 41.469 | ng | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 86671 | 36.398 | ng | 83 |
| 65) n-Nitrosodiphenylamine | 10.62 | 169 | 506087 | 37.327 | ng | 100 |
| 66) 4-Bromophenyl-phenylether | 10.99 | 248 | 143060 | 37.344 | ng | 94 |
| 67) Hexachlorobenzene | 11.05 | 284 | 146942 | 35.914 | ng | 96 |
| 68) Atrazine | 11.14 | 200 | 160549 | 39.358 | ng | 99 |
| 69) Pentachlorophenol | 11.24 | 266 | 164522 | 64.610 | ng | 99 |
| 70) Phenanthrene | 11.47 | 178 | 820850 | 39.184 | ng | 99 |
| 71) Anthracene | 11.52 | 178 | 850562 | 39.682 | ng | 99 |
| 72) Carbazole | 11.67 | 167 | 798340 | 38.034 | ng | 99 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 1012988 | 40.094 | ng | 99 |
| 74) Fluoranthene | 12.66 | 202 | 857606 | 40.428 | ng | 99 |
| 76) Benzidine | 12.77 | 184 | 308896 | 29.533 | ng | 97 |
| 77) Pyrene | 12.89 | 202 | 878121 | 40.722 | ng | 100 |
| 79) Butylbenzylphthalate | 13.50 | 149 | 434367 | 42.860 | ng | 94 |
| 80) Benzo(a)anthracene | 14.07 | 228 | 688081 | 40.183 | ng | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.03 | 252 | 204498 | 32.577 | ng | 99 |
| 82) Chrysene | 14.12 | 228 | 640725 | 39.302 | ng | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 580813 | 41.622 | ng | 100 |
| 84) Di-n-octyl phthalate | 14.66 | 149 | 918292 | 40.868 | ng | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 551106 | 42.259 | ng | 96 |
| 87) Benzo(b)fluoranthene | 15.13 | 252 | 576827m | 39.543 | ng | |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 542614 | 37.661 | ng | 99 |
| 89) Benzo(a)pyrene | 15.52 | 252 | 526122 | 39.292 | ng | 98 |
| 90) Dibenzo(a,h)anthracene | 17.11 | 278 | 462079 | 43.121 | ng | 98 |
| 91) Benzo(g,h,i)perylene | 17.55 | 276 | 464261 | 43.829 | ng | 96 |

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

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