Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060117\
Data File : BF095594.D
Acq On : 1 Jun 2017 14:52
Operator : SJ/MA
Sample : PB99358BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB99358BS

**Manual Integrations APPROVED**
mohammad
6/2/2017 2:32:20 PM

Quant Time: Jun 01 18:53:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 18:51:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.53 | 152 | 86621 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.57 | 136 | 380073 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.40 | 164 | 170554 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.80 | 188 | 331158 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.50 | 240 | 249520 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.17 | 264 | 167489 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 797373 | 153.47 | ng | | 0.02 |
| 7) Phenol-d6 | 7.10 | 99 | 866231 | 138.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.45 | 82 | 548522 | 91.01 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.70 | 330 | 191304 | 136.96 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.35 | 172 | 1003551 | 84.69 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.15 | 244 | 946525 | 83.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.94 | 88 | 99362 | 38.995 | ng | | 95 |
| 3) Pyridine | 2.53 | 79 | 241937 | 40.968 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.49 | 42 | 108955 | 44.262 | ng | | 80 |
| 6) Aniline | 7.04 | 93 | 181832 | 23.105 | ng | | 98 |
| 8) 2-Chlorophenol | 7.23 | 128 | 263753 | 44.601 | ng | | 95 |
| 9) Benzaldehyde | 6.86 | 77 | 36569 | 9.607 | ng | | 91 |
| 10) Phenol | 7.12 | 94 | 328137 | 49.952 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.17 | 93 | 222939 | 41.109 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.43 | 146 | 275778 | 41.111 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.56 | 146 | 280368 | 41.213 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.80 | 146 | 272735 | 42.951 | ng | | 96 |
| 15) Benzyl Alcohol | 7.83 | 79 | 219325 | 54.701 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.04 | 45 | 314495 | 40.973 | ng | | 96 |
| 17) 2-Methylphenol | 8.06 | 107 | 233183 | 48.183 | ng | | 94 |
| 18) Hexachloroethane | 8.32 | 117 | 101224 | 43.924 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.26 | 70 | 196589 | 46.628 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.33 | 107 | 317516 | 48.283 | ng | # | 60 |
| 22) Acetophenone | 8.22 | 105 | 393461 | 43.147 | ng | # | 83 |
| 24) Nitrobenzene | 8.48 | 77 | 276751 | 43.806 | ng | | 91 |
| 25) Isophorone | 8.88 | 82 | 489292 | 45.463 | ng | | 95 |
| 26) 2-Nitrophenol | 8.99 | 139 | 155471 | 45.606 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.14 | 122 | 239902 | 43.527 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.26 | 93 | 318210 | 42.740 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.42 | 162 | 239005 | 45.926 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 9.50 | 180 | 228537 | 40.990 | ng | | 96 |
| 31) Naphthalene | 9.60 | 128 | 777897 | 40.723 | ng | | 100 |
| 32) Benzoic acid | 9.47 | 122 | 94993 | 28.553 | ng | | 91 |
| 33) 4-Chloroaniline | 9.76 | 127 | 132970 | 18.679 | ng | # | 90 |
| 34) Hexachlorobutadiene | 9.82 | 225 | 105985 | 36.026 | ng | | 99 |
| 35) Caprolactam | 10.39 | 113 | 74024m | 47.369 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.62 | 107 | 235548 | 42.334 | ng | | 91 |
| 37) 2-Methylnaphthalene | 10.73 | 142 | 512802 | 40.903 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.01 | 216 | 200000 | 38.132 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 10.98 | 237 | 100174 | 48.048 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.24 | 196 | 147391 | 42.089 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 11.33 | 196 | 140712 | 37.385 | ng | | 94 |
| 45) 1,1'-Biphenyl | 11.50 | 154 | 596716 | 41.555 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.51 | 162 | 467237 | 40.297 | ng | | 94 |
| 47) 2-Nitroaniline | 11.73 | 65 | 142823 | 45.004 | ng | # | 79 |
| 48) Acenaphthylene | 12.17 | 152 | 819800 | 45.141 | ng | | 98 |
| 49) Dimethylphthalate | 12.05 | 163 | 581188 | 41.509 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.14 | 165 | 132572 | 46.411 | ng | # | 87 |
| 51) Acenaphthene | 12.45 | 154 | 448995 | 41.392 | ng | | 98 |
| 52) 3-Nitroaniline | 12.42 | 138 | 85892 | 28.015 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 12.63 | 184 | 73210 | 49.146 | ng | # | 65 |
| 54) Dibenzofuran | 12.74 | 168 | 700799 | 46.686 | ng | | 97 |
| 55) 4-Nitrophenol | 12.82 | 139 | 145105 | 78.800 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 12.82 | 165 | 177824 | 48.447 | ng | # | 87 |
| 57) Fluorene | 13.29 | 166 | 589395 | 45.156 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.99 | 232 | 119565 | 50.475 | ng | # | 92 |
| 59) Diethylphthalate | 13.20 | 149 | 564780 | 42.084 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.32 | 204 | 255696 | 44.574 | ng | | 92 |
| 61) 4-Nitroaniline | 13.42 | 138 | 132641 | 47.127 | ng | | 97 |
| 62) Azobenzene | 13.57 | 77 | 517054 | 47.947 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 13.49 | 198 | 73728 | 33.211 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 13.53 | 169 | 513507 | 42.725 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 14.10 | 248 | 141351 | 40.402 | ng | | 95 |
| 67) Hexachlorobenzene | 14.19 | 284 | 141069 | 39.344 | ng | # | 89 |
| 68) Atrazine | 14.46 | 200 | 153594 | 45.261 | ng | | 98 |
| 69) Pentachlorophenol | 14.55 | 266 | 83773 | 53.750 | ng | | 96 |
| 70) Phenanthrene | 14.84 | 178 | 827031 | 43.465 | ng | | 98 |
| 71) Anthracene | 14.92 | 178 | 825556 | 42.476 | ng | | 98 |
| 72) Carbazole | 15.22 | 167 | 782662 | 44.258 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.79 | 149 | 884189 | 40.093 | ng | | 99 |
| 74) Fluoranthene | 16.60 | 202 | 832393 | 42.647 | ng | | 99 |
| 76) Benzidine | 16.83 | 184 | 164970 | 27.679 | ng | # | 92 |
| 77) Pyrene | 16.90 | 202 | 836506 | 44.826 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.81 | 149 | 384220 | 44.265 | ng | # | 86 |
| 80) Benzo(a)anthracene | 18.49 | 228 | 621162 | 42.774 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.47 | 252 | 133762 | 26.669 | ng | # | 96 |
| 82) Chrysene | 18.53 | 228 | 592795 | 42.217 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.56 | 149 | 520812 | 42.112 | ng | | 98 |
| 84) Di-n-octyl phthalate | 19.33 | 149 | 787821 | 38.855 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.40 | 276 | 413913 | 36.298 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 19.76 | 252 | 477106 | 46.100 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.79 | 252 | 441019 | 44.177 | ng | | 96 |
| 89) Benzo(a)pyrene | 20.11 | 252 | 415927 | 43.553 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 21.40 | 278 | 341935 | 43.354 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 21.76 | 276 | 366104 | 47.301 | ng | | 98 |

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

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