Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095164.D
Acq On : 16 May 2017 19:25
Operator : SJ/MA
Sample : I3139-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-U10-ESWMSD

**Manual Integrations APPROVED**
mohammad
5/17/2017 5:49:00 PM

Quant Time: May 17 07:26:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.78 | 152 | 97502 | 20.00 | ng | | 0.05 |
| 21) Naphthalene-d8 | 9.79 | 136 | 413373 | 20.00 | ng | | 0.04 |
| 38) Acenaphthene-d10 | 12.62 | 164 | 164399 | 20.00 | ng | | 0.04 |
| 63) Phenanthrene-d10 | 15.03 | 188 | 339196 | 20.00 | ng | | 0.05 |
| 75) Chrysene-d12 | 18.69 | 240 | 237191 | 20.00 | ng | | 0.04 |
| 86) Perylene-d12 | 20.37 | 264 | 170949 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 933100 | 159.55 | ng | | 0.08 |
| 7) Phenol-d6 | 7.33 | 99 | 1096042 | 156.20 | ng | | 0.05 |
| 23) Nitrobenzene-d5 | 8.68 | 82 | 677104 | 103.29 | ng | | 0.05 |
| 41) 2,4,6-Tribromophenol | 13.93 | 330 | 218145 | 162.02 | ng | | 0.05 |
| 44) 2-Fluorobiphenyl | 11.57 | 172 | 1264873 | 110.74 | ng | | 0.04 |
| 78) Terphenyl-d14 | 17.35 | 244 | 1091691 | 101.37 | ng | | 0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.31 | 88 | 106706 | 37.20 | ng | | 96 |
| 3) Pyridine | 3.02 | 79 | 301079m | 45.29 | ng | | |
| 4) n-Nitrosodimethylamine | 2.94 | 42 | 123229m | 44.47 | ng | | |
| 6) Aniline | 7.29 | 93 | 292243 | 32.99 | ng | | 95 |
| 8) 2-Chlorophenol | 7.47 | 128 | 350211 | 52.61 | ng | | 98 |
| 9) Benzaldehyde | 7.11 | 77 | 145917 | 34.06 | ng | | 95 |
| 10) Phenol | 7.35 | 94 | 384689 | 52.03 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 301984 | 49.47 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.68 | 146 | 367059 | 48.61 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.81 | 146 | 374698 | 48.93 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.04 | 146 | 354793 | 49.64 | ng | | 96 |
| 15) Benzyl Alcohol | 8.07 | 79 | 281530 | 62.38 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.26 | 45 | 411268 | 47.60 | ng | | 89 |
| 17) 2-Methylphenol | 8.27 | 107 | 278798 | 51.18 | ng | # | 93 |
| 18) Hexachloroethane | 8.55 | 117 | 124912 | 48.15 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.49 | 70 | 256858 | 54.12 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.53 | 107 | 383361 | 51.79 | ng | # | 61 |
| 22) Acetophenone | 8.45 | 105 | 508302 | 51.25 | ng | # | 83 |
| 24) Nitrobenzene | 8.71 | 77 | 349146 | 50.81 | ng | | 92 |
| 25) Isophorone | 9.11 | 82 | 632351 | 54.02 | ng | | 95 |
| 26) 2-Nitrophenol | 9.21 | 139 | 200343 | 54.03 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.35 | 122 | 303918 | 50.70 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.47 | 93 | 412425 | 50.93 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.63 | 162 | 301718 | 53.31 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 9.72 | 180 | 301907 | 49.79 | ng | | 100 |
| 31) Naphthalene | 9.82 | 128 | 1026326 | 49.40 | ng | | 100 |
| 32) Benzoic acid | 9.62 | 122 | 67578 | 20.43 | ng | | 88 |
| 33) 4-Chloroaniline | 10.00 | 127 | 70403 | 9.09 | ng | | 94 |
| 34) Hexachlorobutadiene | 10.04 | 225 | 147261 | 46.02 | ng | | 99 |
| 35) Caprolactam | 10.61 | 113 | 84257m | 49.57 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.82 | 107 | 329580 | 54.46 | ng | | 87 |
| 37) 2-Methylnaphthalene | 10.95 | 142 | 716997 | 52.58 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.23 | 216 | 268176 | 53.04 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.21 | 237 | 185238 | 86.61 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.45 | 196 | 204394 | 60.55 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 11.54 | 196 | 192974 | 53.19 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 11.72 | 154 | 715627 | 51.70 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.74 | 162 | 546223 | 48.87 | ng | | 95 |
| 47) 2-Nitroaniline | 11.95 | 65 | 147348 | 48.17 | ng | # | 77 |
| 48) Acenaphthylene | 12.40 | 152 | 877992 | 50.15 | ng | | 99 |
| 49) Dimethylphthalate | 12.27 | 163 | 769849 | 57.04 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.37 | 165 | 147278 | 53.49 | ng | | 97 |
| 51) Acenaphthene | 12.68 | 154 | 525059 | 50.22 | ng | | 99 |
| 52) 3-Nitroaniline | 12.64 | 138 | 71573 | 24.22 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 12.84 | 184 | 120430 | 79.46 | ng | # | 69 |
| 54) Dibenzofuran | 12.97 | 168 | 798059 | 55.16 | ng | | 98 |
| 55) 4-Nitrophenol | 13.02 | 139 | 164779 | 92.83 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 13.03 | 165 | 199050 | 56.26 | ng | # | 89 |
| 57) Fluorene | 13.52 | 166 | 640244 | 50.89 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.21 | 232 | 140109 | 61.36 | ng | # | 92 |
| 59) Diethylphthalate | 13.42 | 149 | 640755 | 49.53 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.54 | 204 | 278889 | 50.44 | ng | | 91 |
| 61) 4-Nitroaniline | 13.64 | 138 | 127087 | 46.84 | ng | | 93 |
| 62) Azobenzene | 13.80 | 77 | 602843 | 58.00 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 13.70 | 198 | 99317 | 43.68 | ng | # | 67 |
| 65) n-Nitrosodiphenylamine | 13.75 | 169 | 558245 | 45.35 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.33 | 248 | 167514 | 46.74 | ng | | 97 |
| 67) Hexachlorobenzene | 14.42 | 284 | 170051 | 46.30 | ng | # | 90 |
| 68) Atrazine | 14.68 | 200 | 181186 | 52.13 | ng | | 99 |
| 69) Pentachlorophenol | 14.77 | 266 | 145640 | 87.14 | ng | | 98 |
| 70) Phenanthrene | 15.07 | 178 | 1018998 | 52.29 | ng | | 99 |
| 71) Anthracene | 15.15 | 178 | 1011504 | 50.81 | ng | | 98 |
| 72) Carbazole | 15.43 | 167 | 944146 | 52.12 | ng | | 98 |
| 73) Di-n-butylphthalate | 15.99 | 149 | 1155911 | 51.17 | ng | | 99 |
| 74) Fluoranthene | 16.81 | 202 | 1058643 | 52.95 | ng | | 99 |
| 76) Benzidine | 17.02 | 184 | 246408 | 39.73 | ng | # | 93 |
| 77) Pyrene | 17.11 | 202 | 1030343 | 58.08 | ng | | 99 |
| 79) Butylbenzylphthalate | 18.01 | 149 | 456105 | 55.28 | ng | | 91 |
| 80) Benzo(a)anthracene | 18.68 | 228 | 713524 | 51.69 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.67 | 252 | 110814 | 23.24 | ng | # | 96 |
| 82) Chrysene | 18.73 | 228 | 662943 | 49.67 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.75 | 149 | 654626 | 55.68 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.52 | 149 | 1006657 | 52.23 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.70 | 276 | 561894 | 51.84 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.96 | 252 | 528358 | 50.02 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.99 | 252 | 526422 | 51.66 | ng | # | 95 |
| 89) Benzo(a)pyrene | 20.31 | 252 | 488431 | 50.11 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.70 | 278 | 443666 | 55.11 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 22.08 | 276 | 493127 | 62.42 | ng | | 97 |

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

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