Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
Data File : BF094537.D
Acq On : 20 Apr 2017 11:47
Operator : SJ/MA
Sample : PB98356BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB98356BS

**Manual Integrations APPROVED**
mohammad
4/21/2017 11:35:56 AM

Quant Time: Apr 20 17:40:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.77 | 152 | 114691 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.26 | 136 | 451402 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.40 | 164 | 205085 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 388100 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.47 | 240 | 290844 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.08 | 264 | 220336 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.32 | 112 | 864104 | 125.00 | ng | | 0.02 |
| 7) Phenol-d6 | 5.40 | 99 | 1053029 | 129.21 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.42 | 82 | 651773 | 89.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.38 | 330 | 238692 | 148.80 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.58 | 172 | 1219648 | 87.50 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.19 | 244 | 1170434 | 107.57 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.11 | 88 | 107405 | 26.72 | ng | | 97 |
| 3) Pyridine | 2.64 | 79 | 311262 | 35.42 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.58 | 42 | 147515 | 40.57 | ng | | 90 |
| 6) Aniline | 5.40 | 93 | 322905 | 29.81 | ng | # | 80 |
| 8) 2-Chlorophenol | 5.54 | 128 | 335570 | 42.66 | ng | | 93 |
| 9) Benzaldehyde | 5.27 | 77 | 52046 | 8.40 | ng | | 97 |
| 10) Phenol | 5.41 | 94 | 402390 | 40.19 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 5.48 | 93 | 316566 | 43.28 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 5.70 | 146 | 347844 | 39.91 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 5.79 | 146 | 355617 | 40.56 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 5.96 | 146 | 327621 | 40.56 | ng | | 98 |
| 15) Benzyl Alcohol | 5.95 | 79 | 252211 | 41.72 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.10 | 45 | 398705 | 41.58 | ng | | 78 |
| 17) 2-Methylphenol | 6.09 | 107 | 263399 | 42.51 | ng | | 94 |
| 18) Hexachloroethane | 6.35 | 117 | 122507 | 40.76 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 6.25 | 70 | 234581 | 43.44 | ng | | 97 |
| 20) 3+4-Methylphenols | 6.27 | 107 | 368408 | 43.76 | ng | # | 62 |
| 22) Acetophenone | 6.24 | 105 | 466451 | 42.50 | ng | # | 85 |
| 24) Nitrobenzene | 6.44 | 77 | 330385 | 42.92 | ng | | 92 |
| 25) Isophorone | 6.73 | 82 | 595260 | 43.93 | ng | # | 94 |
| 26) 2-Nitrophenol | 6.81 | 139 | 187448 | 45.32 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 6.89 | 122 | 295473 | 43.98 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 6.99 | 93 | 382500 | 43.64 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.11 | 162 | 281918 | 45.11 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.20 | 180 | 275360 | 42.62 | ng | | 96 |
| 31) Naphthalene | 7.29 | 128 | 920117 | 42.40 | ng | | 100 |
| 32) Benzoic acid | 7.07 | 122 | 180341 | 50.76 | ng | | 95 |
| 33) 4-Chloroaniline | 7.37 | 127 | 91590 | 10.15 | ng | # | 92 |
| 34) Hexachlorobutadiene | 7.44 | 225 | 138713 | 43.06 | ng | | 99 |
| 35) Caprolactam | 7.83 | 113 | 96615m | 49.21 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.00 | 107 | 303251 | 46.30 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.13 | 142 | 645192 | 43.46 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.34 | 216 | 247415 | 42.37 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.32 | 237 | 239833 | 101.52 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.49 | 196 | 188246 | 45.90 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 8.55 | 196 | 198150 | 47.05 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 8.70 | 154 | 724621 | 43.25 | ng | | 97 |
| 46) 2-Chloronaphthalene | 8.72 | 162 | 583072 | 43.76 | ng | | 95 |
| 47) 2-Nitroaniline | 8.85 | 65 | 175323 | 45.74 | ng | # | 85 |
| 48) Acenaphthylene | 9.22 | 152 | 906758 | 43.66 | ng | | 98 |
| 49) Dimethylphthalate | 9.10 | 163 | 726668 | 47.55 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.17 | 165 | 163892 | 47.77 | ng | | 98 |
| 51) Acenaphthene | 9.44 | 154 | 549652 | 44.18 | ng | | 100 |
| 52) 3-Nitroaniline | 9.37 | 138 | 93155 | 23.47 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 9.51 | 184 | 146807 | 78.95 | ng | # | 68 |
| 54) Dibenzofuran | 9.65 | 168 | 819543 | 45.33 | ng | | 98 |
| 55) 4-Nitrophenol | 9.63 | 139 | 246645m | 87.96 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.66 | 165 | 211323 | 50.20 | ng | # | 84 |
| 57) Fluorene | 10.07 | 166 | 649264 | 46.11 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.82 | 232 | 149310 | 49.46 | ng | | 96 |
| 59) Diethylphthalate | 9.96 | 149 | 709477 | 49.20 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.08 | 204 | 280534 | 47.88 | ng | | 93 |
| 61) 4-Nitroaniline | 10.12 | 138 | 164848 | 40.86 | ng | | 98 |
| 62) Azobenzene | 10.27 | 77 | 662353 | 47.31 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.17 | 198 | 110179 | 43.33 | ng | # | 63 |
| 65) n-Nitrosodiphenylamine | 10.23 | 169 | 604541 | 44.79 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 175740 | 45.60 | ng | | 96 |
| 67) Hexachlorobenzene | 10.75 | 284 | 174172 | 44.85 | ng | # | 88 |
| 68) Atrazine | 10.91 | 200 | 185410 | 45.92 | ng | | 95 |
| 69) Pentachlorophenol | 11.00 | 266 | 165903 | 107.58 | ng | | 98 |
| 70) Phenanthrene | 11.25 | 178 | 973573 | 44.55 | ng | | 99 |
| 71) Anthracene | 11.31 | 178 | 1017069 | 44.99 | ng | | 99 |
| 72) Carbazole | 11.52 | 167 | 937751 | 44.20 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.97 | 149 | 1174330 | 50.27 | ng | | 99 |
| 74) Fluoranthene | 12.71 | 202 | 1021670 | 45.11 | ng | | 99 |
| 76) Benzidine | 12.88 | 184 | 259151 | 22.01 | ng | # | 91 |
| 77) Pyrene | 12.98 | 202 | 1015928 | 50.00 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.80 | 149 | 489892 | 55.01 | ng | # | 85 |
| 80) Benzo(a)anthracene | 14.45 | 228 | 779145 | 46.09 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.43 | 252 | 171163 | 28.60 | ng | # | 96 |
| 82) Chrysene | 14.50 | 228 | 712115 | 46.09 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.52 | 149 | 677940 | 56.70 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 15.27 | 149 | 1018503 | 50.78 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 659220 | 44.85 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.69 | 252 | 632356 | 46.92 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.72 | 252 | 576896 | 45.23 | ng | | 95 |
| 89) Benzo(a)pyrene | 16.03 | 252 | 575215 | 45.87 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.38 | 278 | 536193 | 51.50 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 566056 | 53.40 | ng | | 99 |

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

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