Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
Data File : BF080079.D
Acq On : 20 Jun 2015 4:03
Operator : TP/IZ
Sample : G2683-02MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-2MS

**Manual Integrations APPROVED**
apatel
6/22/2015 2:43:52 PM

Quant Time: Jun 20 04:47:42 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 16:41:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.33 | 152 | 38037 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.62 | 136 | 159578 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.39 | 164 | 86427 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.90 | 188 | 184104 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.81 | 240 | 209126 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 16.67 | 264 | 195609 | 20.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.94 | 112 | 323190 | 150.41 | ng | | 0.00 |
| 7) Phenol-d6 | 6.93 | 99 | 411274 | 143.83 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.89 | 82 | 269740 | 98.40 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 11.19 | 330 | 131098 | 155.12 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.69 | 172 | 496025 | 81.85 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.57 | 244 | 692616 | 77.35 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 32615 | 31.93 | ng | | 89 |
| 3) Pyridine | 4.04 | 79 | 103495 | 38.10 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.94 | 42 | 48465 | 37.54 | ng | | 95 |
| 6) Aniline | 6.98 | 93 | 168195 | 42.75 | ng | | 92 |
| 8) 2-Chlorophenol | 7.11 | 128 | 118109 | 47.56 | ng | | 85 |
| 9) Benzaldehyde | 6.88 | 77 | 56406 | 34.17 | ng | # | 88 |
| 10) Phenol | 6.95 | 94 | 144633 | 46.35 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.05 | 93 | 108175 | 43.69 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.27 | 146 | 122796m | 41.16 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.35 | 146 | 139253m | 49.08 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.51 | 146 | 123517 | 44.74 | ng | | 99 |
| 15) Benzyl Alcohol | 7.45 | 79 | 105946 | 45.32 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.60 | 45 | 188353 | 51.26 | ng | | 84 |
| 17) 2-Methylphenol | 7.56 | 107 | 91522 | 43.14 | ng | # | 82 |
| 18) Hexachloroethane | 7.85 | 117 | 45078 | 47.72 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.73 | 70 | 87953 | 44.30 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.72 | 107 | 131859 | 48.16 | ng | | 92 |
| 22) Acetophenone | 7.73 | 105 | 169233 | 45.51 | ng | # | 82 |
| 24) Nitrobenzene | 7.91 | 77 | 123188 | 43.54 | ng | # | 77 |
| 25) Isophorone | 8.14 | 82 | 231580 | 41.98 | ng | # | 83 |
| 26) 2-Nitrophenol | 8.23 | 139 | 59868 | 50.55 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 8.25 | 122 | 105972 | 42.91 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 8.34 | 93 | 150347 | 46.39 | ng | # | 92 |
| 29) 2,4-Dichlorophenol | 8.47 | 162 | 106115 | 50.18 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.56 | 180 | 118053 | 49.16 | ng | | 99 |
| 31) Naphthalene | 8.64 | 128 | 341189m | 40.89 | ng | | |
| 32) Benzoic acid | 8.25 | 122 | 105972 | 70.98 | ng | # | 25 |
| 33) 4-Chloroaniline | 8.68 | 127 | 120157m | 33.65 | ng | | |
| 34) Hexachlorobutadiene | 8.77 | 225 | 64171 | 43.39 | ng | | 99 |
| 35) Caprolactam | 9.01 | 113 | 29916 | 43.58 | ng | # | 69 |
| 36) 4-Chloro-3-methylphenol | 9.14 | 107 | 105739 | 44.33 | ng | # | 71 |
| 37) 2-Methylnaphthalene | 9.34 | 142 | 268479 | 49.75 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.51 | 216 | 121253 | 48.21 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.50 | 237 | 113000 | 86.74 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.61 | 196 | 81410 | 47.57 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.65 | 196 | 82073 | 41.63 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.81 | 154 | 292098 | 41.54 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.83 | 162 | 236228 | 41.40 | ng | | 93 |
| 47) 2-Nitroaniline | 9.91 | 65 | 66907 | 42.72 | ng | # | 57 |
| 48) Acenaphthylene | 10.25 | 152 | 405546 | 42.59 | ng | | 98 |
| 49) Dimethylphthalate | 10.09 | 163 | 310657 | 47.81 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.15 | 165 | 57727 | 44.32 | ng | # | 47 |
| 51) Acenaphthene | 10.42 | 154 | 254252 | 43.64 | ng | | 94 |
| 52) 3-Nitroaniline | 10.32 | 138 | 58488 | 38.92 | ng | # | 52 |
| 53) 2,4-Dinitrophenol | 10.44 | 184 | 45336 | 85.11 | ng | # | 1 |
| 54) Dibenzofuran | 10.60 | 168 | 348466 | 42.15 | ng | # | 87 |
| 55) 4-Nitrophenol | 10.47 | 139 | 116124 | 96.66 | ng | # | 67 |
| 56) 2,4-Dinitrotoluene | 10.56 | 165 | 87052 | 52.66 | ng | # | 91 |
| 57) Fluorene | 10.95 | 166 | 295109 | 44.99 | ng | | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.71 | 232 | 71055 | 42.69 | ng | | 99 |
| 59) Diethylphthalate | 10.79 | 149 | 284060 | 43.42 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.93 | 204 | 137190 | 43.52 | ng | # | 84 |
| 61) 4-Nitroaniline | 10.94 | 138 | 70485 | 45.41 | ng | # | 48 |
| 62) Azobenzene | 11.09 | 77 | 302371 | 45.40 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 10.97 | 198 | 40352 | 44.69 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 11.04 | 169 | 255941 | 42.69 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 11.43 | 248 | 83266 | 42.54 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.51 | 284 | 92865 | 42.69 | ng | # | 78 |
| 68) Atrazine | 11.57 | 200 | 76093 | 40.18 | ng | | 86 |
| 69) Pentachlorophenol | 11.69 | 266 | 102018 | 82.75 | ng | | 97 |
| 70) Phenanthrene | 11.92 | 178 | 467056 | 41.90 | ng | | 96 |
| 71) Anthracene | 11.98 | 178 | 452418 | 42.16 | ng | | 99 |
| 72) Carbazole | 12.13 | 167 | 408515 | 39.87 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.45 | 149 | 524674 | 44.32 | ng | # | 99 |
| 74) Fluoranthene | 13.17 | 202 | 503312 | 42.40 | ng | | 90 |
| 76) Benzidine | 13.28 | 184 | 317504 | 54.32 | ng | # | 98 |
| 77) Pyrene | 13.42 | 202 | 513588 | 39.89 | ng | | 96 |
| 79) Butylbenzylphthalate | 14.09 | 149 | 215133 | 41.61 | ng | # | 78 |
| 80) Benzo(a)anthracene | 14.80 | 228 | 519484 | 40.78 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.75 | 252 | 167323 | 38.08 | ng | # | 93 |
| 82) Chrysene | 14.85 | 228 | 478638 | 40.74 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.77 | 149 | 343074 | 41.98 | ng | # | 92 |
| 84) Di-n-octyl phthalate | 15.56 | 149 | 553397 | 39.52 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 18.52 | 276 | 552775 | 37.31 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 16.13 | 252 | 470604 | 39.74 | ng | # | 86 |
| 88) Benzo(k)fluoranthene | 16.16 | 252 | 506441m | 41.99 | ng | | |
| 89) Benzo(a)pyrene | 16.59 | 252 | 480654 | 42.73 | ng | # | 87 |
| 90) Dibenzo(a,h)anthracene | 18.54 | 278 | 469707 | 40.80 | ng | # | 80 |
| 91) Benzo(g,h,i)perylene | 19.08 | 276 | 467928 | 40.26 | ng | # | 76 |

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

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