Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084209.D
Acq On : 31 Dec 2015 21:54
Operator : UM/SJ
Sample : PB87627BS
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB87627BS

**Manual Integrations APPROVED**
UMANGI
1/4/2016 4:29:04 PM

Quant Time: Jan 02 00:05:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:15:57 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 277819 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.19 | 136 | 1182841 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 538685 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.43 | 188 | 981545 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 730757 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.51 | 264 | 535804 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1349201 | 78.55 | ng | | 0.01 |
| 7) Phenol-d6 | 6.53 | 99 | 1907374 | 88.42 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 1802183 | 84.80 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 443084 | 81.47 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 2522415 | 82.16 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 2339134 | 71.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 306793 | 37.71 | ng | # | 71 |
| 3) Pyridine | 3.34 | 79 | 925923 | 40.82 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 490659 | 42.14 | ng | | 78 |
| 6) Aniline | 6.56 | 93 | 802016 | 25.41 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.68 | 128 | 814907 | 41.82 | ng | | 87 |
| 9) Benzaldehyde | 6.44 | 77 | 351283 | 25.01 | ng | | 95 |
| 10) Phenol | 6.54 | 94 | 1164711 | 47.49 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 776708 | 40.88 | ng | # | 81 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 865104m | 43.03 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 883196 | 43.81 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 772927 | 40.04 | ng | | 97 |
| 15) Benzyl Alcohol | 7.05 | 79 | 813509 | 44.83 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 1418776 | 41.01 | ng | | 84 |
| 17) 2-Methylphenol | 7.15 | 107 | 709898 | 43.47 | ng | | 96 |
| 18) Hexachloroethane | 7.41 | 117 | 336954 | 41.80 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 638208 | 43.70 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.31 | 107 | 842897 | 43.91 | ng | # | 80 |
| 22) Acetophenone | 7.31 | 105 | 1106511 | 38.90 | ng | # | 82 |
| 24) Nitrobenzene | 7.48 | 77 | 828358 | 38.43 | ng | | 96 |
| 25) Isophorone | 7.72 | 82 | 1677624 | 41.27 | ng | | 97 |
| 26) 2-Nitrophenol | 7.80 | 139 | 418372 | 42.65 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.84 | 122 | 806938 | 40.64 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 1014828 | 40.87 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 687809 | 41.58 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 732390 | 42.89 | ng | # | 95 |
| 31) Naphthalene | 8.21 | 128 | 2408787 | 44.89 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 486891 | 39.40 | ng | | 91 |
| 33) 4-Chloroaniline | 8.26 | 127 | 384847 | 15.64 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 399161 | 40.66 | ng | | 97 |
| 35) Caprolactam | 8.62 | 113 | 224131 | 40.19 | ng | # | 37 |
| 36) 4-Chloro-3-methylphenol | 8.74 | 107 | 788308 | 42.55 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 1488620 | 38.64 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 673428 | 43.49 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 864070 | 92.43 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.17 | 196 | 478277 | 41.28 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.22 | 196 | 501234 | 45.13 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 1904954 | 44.49 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.39 | 162 | 1407586 | 41.86 | ng | | 95 |
| 47) 2-Nitroaniline | 9.48 | 65 | 476862 | 42.96 | ng | | 97 |
| 48) Acenaphthylene | 9.80 | 152 | 2109326 | 42.46 | ng | | 97 |
| 49) Dimethylphthalate | 9.68 | 163 | 1684792 | 43.75 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.73 | 165 | 374493 | 44.34 | ng | | 92 |
| 51) Acenaphthene | 9.97 | 154 | 1551088 | 46.54 | ng | | 97 |
| 52) 3-Nitroaniline | 9.89 | 138 | 250206 | 23.91 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 10.00 | 184 | 285613 | 79.41 | ng | # | 77 |
| 54) Dibenzofuran | 10.16 | 168 | 2007174 | 46.61 | ng | | 98 |
| 55) 4-Nitrophenol | 10.05 | 139 | 603925 | 79.49 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 10.13 | 165 | 553836 | 51.81 | ng | # | 84 |
| 57) Fluorene | 10.49 | 166 | 1417279 | 42.32 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 417762 | 44.05 | ng | | 89 |
| 59) Diethylphthalate | 10.37 | 149 | 1758539 | 46.31 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 719933 | 52.43 | ng | | 99 |
| 61) 4-Nitroaniline | 10.51 | 138 | 409329 | 43.87 | ng | | 93 |
| 62) Azobenzene | 10.65 | 77 | 1937349 | 46.52 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 228681 | 38.15 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 10.60 | 169 | 1251359 | 39.87 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.98 | 248 | 483459 | 45.76 | ng | | 95 |
| 67) Hexachlorobenzene | 11.04 | 284 | 467623 | 39.33 | ng | # | 79 |
| 68) Atrazine | 11.14 | 200 | 470001 | 45.76 | ng | | 90 |
| 69) Pentachlorophenol | 11.23 | 266 | 519059 | 84.19 | ng | | 99 |
| 70) Phenanthrene | 11.45 | 178 | 2246930 | 43.76 | ng | | 96 |
| 71) Anthracene | 11.51 | 178 | 2253207 | 44.77 | ng | | 96 |
| 72) Carbazole | 11.65 | 167 | 1918168 | 38.98 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 2551413 | 50.23 | ng | # | 95 |
| 74) Fluoranthene | 12.64 | 202 | 2117473 | 39.48 | ng | | 97 |
| 76) Benzidine | 12.76 | 184 | 700300 | 26.73 | ng | | 99 |
| 77) Pyrene | 12.87 | 202 | 2149971 | 37.49 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.49 | 149 | 1108413 | 44.67 | ng | # | 97 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 1657582 | 38.63 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.02 | 252 | 371100 | 24.78 | ng | # | 97 |
| 82) Chrysene | 14.09 | 228 | 1535809 | 37.25 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 1299286 | 41.44 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.66 | 149 | 2034289 | 38.44 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 1403695 | 42.95 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.08 | 252 | 1659646m | 47.35 | ng | | |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 1069614m | 37.31 | ng | | |
| 89) Benzo(a)pyrene | 15.44 | 252 | 1301294 | 43.77 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.95 | 278 | 1144339 | 44.73 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.35 | 276 | 1191956 | 44.99 | ng | | 97 |

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

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