Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033015\
Data File : BF078084.D
Acq On : 30 Mar 2015 16:28
Operator : TP/IZ
Sample : PB82403BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB82403BS

**Manual Integrations APPROVED**
apatel
3/31/2015 2:16:58 PM

Quant Time: Mar 31 01:48:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 31 01:02:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.06 | 152 | 33238 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.64 | 136 | 137809 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.81 | 164 | 65363 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.65 | 188 | 133700 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 15.94 | 240 | 141352 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.71 | 264 | 138614 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 262233 | 137.71 | ng | | 0.01 |
| 7) Phenol-d6 | 6.65 | 99 | 318117 | 135.22 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.76 | 82 | 178752 | 85.03 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.79 | 330 | 80721 | 129.08 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.98 | 172 | 400880 | 90.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.65 | 244 | 478772 | 82.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.93 | 88 | 33107 | 38.29 | ng | # | 100 |
| 3) Pyridine | 2.58 | 79 | 100903 | 43.44 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.52 | 42 | 38663m | 38.23 | ng | | |
| 6) Aniline | 6.65 | 93 | 66428 | 19.74 | ng | # | 72 |
| 8) 2-Chlorophenol | 6.80 | 128 | 105097 | 46.37 | ng | | 99 |
| 9) Benzaldehyde | 6.51 | 77 | 3017 | 3.13 | ng | | 97 |
| 10) Phenol | 6.67 | 94 | 127837 | 45.97 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.76 | 93 | 97068 | 46.60 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.98 | 146 | 107977 | 42.83 | ng | # | 96 |
| 13) 1,4-Dichlorobenzene | 7.08 | 146 | 111806 | 42.68 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.26 | 146 | 106146 | 44.20 | ng | | 96 |
| 15) Benzyl Alcohol | 7.25 | 79 | 79408 | 43.24 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.44 | 45 | 122601 | 43.67 | ng | | 99 |
| 17) 2-Methylphenol | 7.41 | 107 | 84176 | 45.62 | ng | | 97 |
| 18) Hexachloroethane | 7.68 | 117 | 36499 | 42.49 | ng | # | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.58 | 70 | 67533 | 41.49 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.61 | 107 | 107096 | 44.23 | ng | | 95 |
| 22) Acetophenone | 7.57 | 105 | 140562 | 46.07 | ng | # | 98 |
| 24) Nitrobenzene | 7.78 | 77 | 97478 | 43.04 | ng | | 97 |
| 25) Isophorone | 8.09 | 82 | 176178 | 41.50 | ng | | 97 |
| 26) 2-Nitrophenol | 8.18 | 139 | 47527 | 42.86 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 8.26 | 122 | 87920 | 43.52 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.37 | 93 | 110692 | 42.95 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.48 | 162 | 84292 | 43.78 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.57 | 180 | 86152 | 39.99 | ng | # | 95 |
| 31) Naphthalene | 8.66 | 128 | 289814 | 40.95 | ng | | 99 |
| 32) Benzoic acid | 8.37 | 122 | 43266 | 39.02 | ng | | 97 |
| 33) 4-Chloroaniline | 8.75 | 127 | 55780 | 19.42 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.82 | 225 | 49148 | 40.25 | ng | | 98 |
| 35) Caprolactam | 9.17 | 113 | 25697 | 45.66 | ng | # | 79 |
| 36) 4-Chloro-3-methylphenol | 9.37 | 107 | 90321 | 46.62 | ng | | 88 |
| 37) 2-Methylnaphthalene | 9.53 | 142 | 203772 | 42.86 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.73 | 216 | 84497 | 43.34 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.71 | 237 | 82033 | 83.89 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.88 | 196 | 60113 | 44.51 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.94 | 196 | 62748 | 43.01 | ng | | 96 |
| 45) 1,1'-Biphenyl | 10.11 | 154 | 238831 | 45.71 | ng | | 98 |
| 46) 2-Chloronaphthalene | 10.12 | 162 | 191321 | 45.06 | ng | | 93 |
| 47) 2-Nitroaniline | 10.26 | 65 | 47112 | 44.67 | ng | | 85 |
| 48) Acenaphthylene | 10.64 | 152 | 303386 | 42.97 | ng | | 99 |
| 49) Dimethylphthalate | 10.50 | 163 | 219256 | 45.23 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.57 | 165 | 47188 | 46.96 | ng | # | 86 |
| 51) Acenaphthene | 10.84 | 154 | 170513 | 42.12 | ng | | 97 |
| 52) 3-Nitroaniline | 10.77 | 138 | 32217 | 27.61 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 10.91 | 184 | 30072 | 81.31 | ng | # | 79 |
| 54) Dibenzofuran | 11.06 | 168 | 265947 | 44.29 | ng | | 92 |
| 55) 4-Nitrophenol | 11.01 | 139 | 74918 | 86.66 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 11.07 | 165 | 65726 | 50.16 | ng | # | 64 |
| 57) Fluorene | 11.48 | 166 | 220932 | 44.31 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.22 | 232 | 48517 | 43.19 | ng | # | 100 |
| 59) Diethylphthalate | 11.38 | 149 | 215393 | 45.60 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 11.51 | 204 | 100823 | 44.31 | ng | | 93 |
| 61) 4-Nitroaniline | 11.53 | 138 | 48251 | 41.48 | ng | | 80 |
| 62) Azobenzene | 11.70 | 77 | 223761 | 49.56 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 11.57 | 198 | 22078 | 36.14 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 11.65 | 169 | 196267 | 44.09 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.11 | 248 | 59684 | 41.83 | ng | | 94 |
| 67) Hexachlorobenzene | 12.16 | 284 | 64229 | 40.97 | ng | # | 85 |
| 68) Atrazine | 12.33 | 200 | 55506 | 44.49 | ng | | 96 |
| 69) Pentachlorophenol | 12.42 | 266 | 55395 | 67.94 | ng | | 98 |
| 70) Phenanthrene | 12.67 | 178 | 323313 | 42.12 | ng | | 99 |
| 71) Anthracene | 12.74 | 178 | 330906 | 43.64 | ng | | 99 |
| 72) Carbazole | 12.96 | 167 | 315365 | 43.72 | ng | | 98 |
| 73) Di-n-butylphthalate | 13.41 | 149 | 344887 | 42.64 | ng | | 98 |
| 74) Fluoranthene | 14.15 | 202 | 358172 | 42.31 | ng | | 95 |
| 76) Benzidine | 14.34 | 184 | 150218 | 43.00 | ng | | 100 |
| 77) Pyrene | 14.43 | 202 | 385184 | 43.33 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.27 | 149 | 151943 | 43.36 | ng | # | 78 |
| 80) Benzo(a)anthracene | 15.93 | 228 | 353266 | 42.16 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 15.92 | 252 | 69636 | 25.19 | ng | | 97 |
| 82) Chrysene | 15.97 | 228 | 345720 | 45.89 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 16.01 | 149 | 226787 | 42.72 | ng | | 98 |
| 84) Di-n-octyl phthalate | 16.82 | 149 | 380670 | 41.94 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.07 | 276 | 392615 | 41.75 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 17.25 | 252 | 404210 | 44.67 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 17.29 | 252 | 276675 | 39.14 | ng | | 98 |
| 89) Benzo(a)pyrene | 17.64 | 252 | 333104 | 44.12 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 19.09 | 278 | 321196 | 42.89 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 19.47 | 276 | 323456 | 42.43 | ng | | 96 |

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

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