Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\
Data File : BF078131.D
Acq On : 1 Apr 2015 1:12
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Apr 01 08:39:38 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 08:27:38 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.05 | 152 | 43849 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.62 | 136 | 176694 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.79 | 164 | 89792 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.63 | 188 | 175927 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 15.91 | 240 | 175523 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.61 | 264 | 165317 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 200482 | 79.81 | ng | | 0.00 |
| 7) Phenol-d6 | 6.64 | 99 | 249468 | 80.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.74 | 82 | 226256 | 83.94 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.77 | 330 | 64734 | 75.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.97 | 172 | 489422 | 80.10 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.63 | 244 | 559545 | 77.87 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.89 | 88 | 40459 | 35.47 | ng | # | 100 |
| 3) Pyridine | 2.53 | 79 | 109103 | 35.60 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.48 | 42 | 43302 | 32.45 | ng | | 96 |
| 6) Aniline | 6.64 | 93 | 172568 | 38.87 | ng | | 95 |
| 8) 2-Chlorophenol | 6.78 | 128 | 115556 | 38.65 | ng | | 89 |
| 9) Benzaldehyde | 6.49 | 77 | 57924 | 45.55 | ng | | 97 |
| 10) Phenol | 6.65 | 94 | 150571 | 41.04 | ng | # | 78 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 105450 | 38.37 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.97 | 146 | 131745 | 39.61 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.07 | 146 | 134663 | 38.97 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.25 | 146 | 123194 | 38.89 | ng | | 99 |
| 15) Benzyl Alcohol | 7.24 | 79 | 96433 | 39.80 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.41 | 45 | 144850 | 39.11 | ng | | 100 |
| 17) 2-Methylphenol | 7.40 | 107 | 93371 | 38.36 | ng | | 96 |
| 18) Hexachloroethane | 7.66 | 117 | 46510 | 41.04 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.57 | 70 | 85154 | 39.66 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.58 | 107 | 129242 | 40.46 | ng | | 92 |
| 22) Acetophenone | 7.56 | 105 | 162140 | 41.45 | ng | # | 92 |
| 24) Nitrobenzene | 7.77 | 77 | 121267 | 41.76 | ng | # | 87 |
| 25) Isophorone | 8.06 | 82 | 220172 | 40.45 | ng | | 95 |
| 26) 2-Nitrophenol | 8.16 | 139 | 55863 | 39.29 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 8.24 | 122 | 105623 | 40.78 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.35 | 93 | 137457 | 41.60 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.46 | 162 | 98934 | 40.07 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.56 | 180 | 110453 | 39.99 | ng | | 99 |
| 31) Naphthalene | 8.65 | 128 | 374895 | 41.31 | ng | | 100 |
| 32) Benzoic acid | 8.36 | 122 | 47409 | 33.79 | ng | | 96 |
| 33) 4-Chloroaniline | 8.73 | 127 | 143512 | 38.97 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.81 | 225 | 65024 | 41.53 | ng | | 99 |
| 35) Caprolactam | 9.16 | 113 | 28583 | 39.61 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 9.36 | 107 | 99532 | 40.07 | ng | | 99 |
| 37) 2-Methylnaphthalene | 9.50 | 142 | 240756 | 39.49 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.71 | 216 | 103465 | 38.63 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.70 | 237 | 45585 | 35.82 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.87 | 196 | 71026 | 38.29 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.92 | 196 | 77777 | 38.81 | ng | | 96 |
| 45) 1,1'-Biphenyl | 10.09 | 154 | 290204 | 40.43 | ng | | 98 |
| 46) 2-Chloronaphthalene | 10.11 | 162 | 232919 | 39.93 | ng | | 99 |
| 47) 2-Nitroaniline | 10.25 | 65 | 60036 | 41.44 | ng | | 88 |
| 48) Acenaphthylene | 10.61 | 152 | 383215 | 39.51 | ng | | 100 |
| 49) Dimethylphthalate | 10.49 | 163 | 271092 | 40.71 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.56 | 165 | 59039 | 42.77 | ng | # | 85 |
| 51) Acenaphthene | 10.83 | 154 | 220928 | 39.72 | ng | | 100 |
| 52) 3-Nitroaniline | 10.75 | 138 | 63430 | 39.56 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 10.89 | 184 | 13863 | 32.64 | ng | | 90 |
| 54) Dibenzofuran | 11.05 | 168 | 322735 | 39.12 | ng | | 100 |
| 55) 4-Nitrophenol | 10.99 | 139 | 45938 | 38.68 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 11.05 | 165 | 73948 | 41.08 | ng | # | 84 |
| 57) Fluorene | 11.47 | 166 | 274022 | 40.01 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.21 | 232 | 58975 | 38.22 | ng | # | 100 |
| 59) Diethylphthalate | 11.36 | 149 | 257940 | 39.75 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 11.48 | 204 | 122177 | 39.09 | ng | | 99 |
| 61) 4-Nitroaniline | 11.51 | 138 | 65752 | 41.15 | ng | | 78 |
| 62) Azobenzene | 11.68 | 77 | 282053 | 45.48 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 11.55 | 198 | 31078 | 38.36 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 11.63 | 169 | 236791 | 40.42 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.09 | 248 | 71654 | 38.16 | ng | | 96 |
| 67) Hexachlorobenzene | 12.13 | 284 | 77974 | 37.80 | ng | # | 74 |
| 68) Atrazine | 12.31 | 200 | 60475 | 36.84 | ng | | 94 |
| 69) Pentachlorophenol | 12.40 | 266 | 29987 | 29.77 | ng | | 97 |
| 70) Phenanthrene | 12.65 | 178 | 395178 | 39.13 | ng | | 99 |
| 71) Anthracene | 12.72 | 178 | 396920 | 39.78 | ng | | 100 |
| 72) Carbazole | 12.93 | 167 | 374074 | 39.41 | ng | | 98 |
| 73) Di-n-butylphthalate | 13.39 | 149 | 432308 | 40.62 | ng | | 99 |
| 74) Fluoranthene | 14.12 | 202 | 418274 | 37.55 | ng | | 96 |
| 76) Benzidine | 14.32 | 184 | 197842 | 45.64 | ng | | 98 |
| 77) Pyrene | 14.40 | 202 | 446667 | 40.47 | ng | | 98 |
| 79) Butylbenzylphthalate | 15.24 | 149 | 176650 | 40.59 | ng | | 92 |
| 80) Benzo(a)anthracene | 15.89 | 228 | 409829 | 39.39 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 15.87 | 252 | 128820 | 37.53 | ng | | 97 |
| 82) Chrysene | 15.93 | 228 | 375848 | 40.17 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.96 | 149 | 271866 | 41.24 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 16.75 | 149 | 454058 | 40.29 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 18.93 | 276 | 424467 | 36.35 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 17.17 | 252 | 393934 | 36.50 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 17.20 | 252 | 375626m | 44.56 | ng | | |
| 89) Benzo(a)pyrene | 17.54 | 252 | 346567 | 38.49 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 18.96 | 278 | 338235 | 37.87 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 19.32 | 276 | 344410 | 37.88 | ng | | 100 |

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

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