Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052416\
Data File : BF087348.D
Acq On : 24 May 2016 20:53
Operator : UM/SJ
Sample : H3135-03MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SEWER-JOBMS

Quant Time: May 25 15:26:51 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 00:58:25 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 109653 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 9.59 | 136 | 455137 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 12.42 | 164 | 218373 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.82 | 188 | 432768 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.51 | 240 | 343512 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.18 | 264 | 241151 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 996345 | 159.66 | ng | | 0.03 |
| 7) Phenol-d6 | 7.11 | 99 | 1246001 | 147.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.48 | 82 | 935104 | 103.55 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.73 | 330 | 351605 | 167.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.37 | 172 | 1605097 | 103.62 | ng | | -0.01 |
| 78) Terphenyl-d14 | 17.18 | 244 | 1585083 | 98.10 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.06 | 88 | 126804m | 38.51 | ng | | |
| 3) Pyridine | 2.71 | 79 | 221460m | 30.77 | ng | | |
| 4) n-Nitrosodimethylamine | 2.57 | 42 | 279095 | 50.32 | ng | # | 46 |
| 6) Aniline | 7.07 | 93 | 136461 | 12.51 | ng | | 95 |
| 8) 2-Chlorophenol | 7.24 | 128 | 402646 | 51.74 | ng | | 90 |
| 9) Benzaldehyde | 6.91 | 77 | 40155 | 8.63 | ng | | 95 |
| 10) Phenol | 7.13 | 94 | 487201 | 52.91 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 7.21 | 93 | 413875 | 55.53 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.46 | 146 | 415000 | 48.89 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.59 | 146 | 425385 | 48.82 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.82 | 146 | 407979 | 50.61 | ng | | 98 |
| 15) Benzyl Alcohol | 7.86 | 79 | 387450 | 63.02 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.06 | 45 | 795758 | 47.46 | ng | | 98 |
| 17) 2-Methylphenol | 8.07 | 107 | 333626 | 53.49 | ng | # | 84 |
| 18) Hexachloroethane | 8.33 | 117 | 158835 | 48.86 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.28 | 70 | 348705 | 55.45 | ng | # | 77 |
| 20) 3+4-Methylphenols | 8.33 | 107 | 432120 | 57.31 | ng | # | 60 |
| 22) Acetophenone | 8.24 | 105 | 604006 | 55.55 | ng | # | 97 |
| 24) Nitrobenzene | 8.50 | 77 | 487380 | 51.13 | ng | | 98 |
| 25) Isophorone | 8.90 | 82 | 861219 | 53.17 | ng | | 99 |
| 26) 2-Nitrophenol | 9.00 | 139 | 213779 | 54.86 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 9.15 | 122 | 370869 | 54.83 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 9.28 | 93 | 517575 | 56.73 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.42 | 162 | 344314 | 56.48 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 9.51 | 180 | 359414 | 51.50 | ng | | 96 |
| 31) Naphthalene | 9.62 | 128 | 1317521 | 57.77 | ng | | 99 |
| 32) Benzoic acid | 9.48 | 122 | 151176 | 43.96 | ng | | 84 |
| 33) 4-Chloroaniline | 9.79 | 127 | 90902 | 10.82 | ng | # | 94 |
| 34) Hexachlorobutadiene | 9.84 | 225 | 207125 | 48.83 | ng | | 97 |
| 35) Caprolactam | 10.42 | 113 | 96118m | 54.02 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.64 | 107 | 400610 | 58.13 | ng | | 92 |
| 37) 2-Methylnaphthalene | 10.75 | 142 | 800075 | 56.15 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.03 | 216 | 347149 | 49.66 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.00 | 237 | 261631 | 89.66 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.26 | 196 | 227806 | 56.46 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 11.34 | 196 | 226292 | 55.07 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 11.52 | 154 | 972314 | 52.88 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.53 | 162 | 736861 | 52.39 | ng | # | 90 |
| 47) 2-Nitroaniline | 11.75 | 65 | 303267 | 59.84 | ng | # | 74 |
| 48) Acenaphthylene | 12.19 | 152 | 1192263 | 53.54 | ng | | 99 |
| 49) Dimethylphthalate | 12.08 | 163 | 953153 | 54.49 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 12.17 | 165 | 199740 | 56.67 | ng | # | 85 |
| 51) Acenaphthene | 12.48 | 154 | 741723 | 54.19 | ng | | 98 |
| 52) 3-Nitroaniline | 12.43 | 138 | 107156 | 29.62 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 12.63 | 184 | 156991 | 86.45 | ng | # | 74 |
| 54) Dibenzofuran | 12.76 | 168 | 1078040 | 58.17 | ng | | 95 |
| 55) 4-Nitrophenol | 12.81 | 139 | 211368 | 122.48 | ng | # | 51 |
| 56) 2,4-Dinitrotoluene | 12.83 | 165 | 279364 | 59.30 | ng | | 90 |
| 57) Fluorene | 13.31 | 166 | 894657 | 55.67 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.00 | 232 | 211012 | 66.76 | ng | | 97 |
| 59) Diethylphthalate | 13.23 | 149 | 955135 | 56.16 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 13.35 | 204 | 411558 | 52.52 | ng | | 91 |
| 61) 4-Nitroaniline | 13.45 | 138 | 188187 | 55.74 | ng | # | 77 |
| 62) Azobenzene | 13.60 | 77 | 1102380 | 62.48 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 13.50 | 198 | 129383 | 47.02 | ng | # | 69 |
| 65) n-Nitrosodiphenylamine | 13.57 | 169 | 753110 | 53.81 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 14.14 | 248 | 245599 | 51.88 | ng | # | 87 |
| 67) Hexachlorobenzene | 14.21 | 284 | 253290 | 51.15 | ng | # | 83 |
| 68) Atrazine | 14.48 | 200 | 241511 | 54.14 | ng | | 93 |
| 69) Pentachlorophenol | 14.56 | 266 | 210372 | 132.32 | ng | | 96 |
| 70) Phenanthrene | 14.87 | 178 | 1292295 | 53.91 | ng | | 100 |
| 71) Anthracene | 14.95 | 178 | 1282170 | 52.95 | ng | | 100 |
| 72) Carbazole | 15.23 | 167 | 1151021 | 55.73 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.81 | 149 | 1463925 | 54.81 | ng | # | 98 |
| 74) Fluoranthene | 16.62 | 202 | 1260717 | 52.45 | ng | | 97 |
| 76) Benzidine | 16.86 | 184 | 99105 | 11.21 | ng | | 96 |
| 77) Pyrene | 16.93 | 202 | 1317295 | 53.27 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.83 | 149 | 605065 | 55.18 | ng | # | 67 |
| 80) Benzo(a)anthracene | 18.50 | 228 | 1058289 | 54.16 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.49 | 252 | 166587 | 15.43 | ng | # | 96 |
| 82) Chrysene | 18.55 | 228 | 1015821 | 52.38 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.57 | 149 | 823930 | 51.49 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 19.35 | 149 | 1273997 | 52.21 | ng | # | 87 |
| 85) Indeno(1,2,3-cd)pyrene | 21.42 | 276 | 745116 | 47.93 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 19.77 | 252 | 764963m | 49.80 | ng | | |
| 88) Benzo(k)fluoranthene | 19.81 | 252 | 862399m | 65.23 | ng | | |
| 89) Benzo(a)pyrene | 20.13 | 252 | 757193 | 56.99 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 21.43 | 278 | 634405 | 55.99 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 21.77 | 276 | 625654 | 55.96 | ng | | 94 |

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

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