Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089453.D
Acq On : 30 Jul 2016 15:14
Operator : UM/SJ
Sample : PB92568BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB92568BS

Manual Integrations APPROVED
sohil
8/1/2016 7:18:18 PM

Quant Time: Aug 01 04:50:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 04:11:30 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.50 | 152 | 48927 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.79 | 136 | 200231 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.53 | 164 | 91481 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.00 | 188 | 179734 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.62 | 240 | 100438 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.95 | 264 | 83938 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 405934 | 132.48 | ng | | 0.02 |
| 7) Phenol-d6 | 6.17 | 99 | 489126 | 120.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.08 | 82 | 331897 | 97.84 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.33 | 330 | 104395 | 137.79 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 8.87 | 172 | 581366 | 93.26 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.58 | 244 | 437478 | 101.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.98 | 88 | 47731 | 33.84 | ng | # | 91 |
| 3) Pyridine | 2.56 | 79 | 121050 | 40.38 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.54 | 42 | 55836 | 45.68 | ng | | 99 |
| 6) Aniline | 6.17 | 93 | 130726 | 29.90 | ng | # | 84 |
| 8) 2-Chlorophenol | 6.28 | 128 | 154049 | 44.44 | ng | | 83 |
| 9) Benzaldehyde | 6.04 | 77 | 70190 | 35.50 | ng | | 99 |
| 10) Phenol | 6.18 | 94 | 197347 | 44.16 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.25 | 93 | 154625 | 40.73 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.44 | 146 | 148303m | 40.90 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.52 | 146 | 161202 | 40.29 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.67 | 146 | 162453 | 43.34 | ng | | 97 |
| 15) Benzyl Alcohol | 6.66 | 79 | 129077 | 51.36 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.80 | 45 | 170276 | 41.12 | ng | | 97 |
| 17) 2-Methylphenol | 6.79 | 107 | 119995 | 44.79 | ng | | 97 |
| 18) Hexachloroethane | 7.00 | 117 | 62089 | 40.47 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 6.94 | 70 | 112302 | 45.99 | ng | # | 90 |
| 20) 3+4-Methylphenols | 6.95 | 107 | 163563 | 47.54 | ng | # | 89 |
| 22) Acetophenone | 6.92 | 105 | 204647 | 42.93 | ng | # | 96 |
| 24) Nitrobenzene | 7.10 | 77 | 161882 | 41.93 | ng | | 91 |
| 25) Isophorone | 7.34 | 82 | 315297 | 46.14 | ng | | 97 |
| 26) 2-Nitrophenol | 7.42 | 139 | 86080 | 49.87 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.47 | 122 | 141931 | 51.61 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.56 | 93 | 204436 | 54.05 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.67 | 162 | 128927 | 51.45 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.74 | 180 | 135905 | 47.54 | ng | | 98 |
| 31) Naphthalene | 7.82 | 128 | 459985 | 46.39 | ng | | 99 |
| 32) Benzoic acid | 7.62 | 122 | 55472 | 28.95 | ng | | 98 |
| 33) 4-Chloroaniline | 7.88 | 127 | 48748 | 12.91 | ng | | 96 |
| 34) Hexachlorobutadiene | 7.93 | 225 | 67902 | 41.47 | ng | | 98 |
| 35) Caprolactam | 8.26 | 113 | 38206m | 50.52 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.38 | 107 | 146994 | 49.36 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.50 | 142 | 298117 | 49.90 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.67 | 216 | 123132 | 38.46 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.65 | 237 | 89067 | 95.64 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.79 | 196 | 82517 | 54.21 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.83 | 196 | 93449 | 48.47 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 8.97 | 154 | 345426 | 44.35 | ng | | 95 |
| 46) 2-Chloronaphthalene | 8.99 | 162 | 279367 | 47.76 | ng | | 91 |
| 47) 2-Nitroaniline | 9.10 | 65 | 90940 | 52.50 | ng | # | 83 |
| 48) Acenaphthylene | 9.39 | 152 | 432489 | 46.94 | ng | | 99 |
| 49) Dimethylphthalate | 9.28 | 163 | 328991 | 47.25 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.35 | 165 | 71325 | 49.86 | ng | # | 79 |
| 51) Acenaphthene | 9.56 | 154 | 248316 | 46.15 | ng | | 99 |
| 52) 3-Nitroaniline | 9.51 | 138 | 33455 | 22.16 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 9.63 | 184 | 45341 | 72.23 | ng | # | 82 |
| 54) Dibenzofuran | 9.74 | 168 | 380408 | 51.88 | ng | | 96 |
| 55) 4-Nitrophenol | 9.70 | 139 | 83359m | 110.80 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.75 | 165 | 98319 | 52.21 | ng | # | 82 |
| 57) Fluorene | 10.08 | 166 | 303435 | 47.41 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.87 | 232 | 71870 | 55.83 | ng | | 98 |
| 59) Diethylphthalate | 9.98 | 149 | 337422 | 47.80 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.08 | 204 | 144313 | 49.16 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.12 | 138 | 67949 | 43.67 | ng | | 94 |
| 62) Azobenzene | 10.24 | 77 | 396151 | 54.50 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.16 | 198 | 43421 | 40.75 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 10.20 | 169 | 284926 | 50.81 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 82067 | 47.82 | ng | # | 81 |
| 67) Hexachlorobenzene | 10.63 | 284 | 84328 | 47.95 | ng | # | 71 |
| 68) Atrazine | 10.74 | 200 | 85709 | 49.75 | ng | | 97 |
| 69) Pentachlorophenol | 10.82 | 266 | 71122 | 83.21 | ng | | 99 |
| 70) Phenanthrene | 11.03 | 178 | 422371 | 45.56 | ng | | 99 |
| 71) Anthracene | 11.08 | 178 | 480128 | 46.59 | ng | | 99 |
| 72) Carbazole | 11.24 | 167 | 413763 | 47.69 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.59 | 149 | 544766 | 46.80 | ng | | 99 |
| 74) Fluoranthene | 12.20 | 202 | 430867 | 44.19 | ng | | 96 |
| 76) Benzidine | 12.34 | 184 | 125255 | 33.75 | ng | | 97 |
| 77) Pyrene | 12.43 | 202 | 423262 | 55.60 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.06 | 149 | 173504 | 50.13 | ng | | 92 |
| 80) Benzo(a)anthracene | 13.61 | 228 | 275439 | 48.59 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.59 | 252 | 55425 | 27.17 | ng | | 99 |
| 82) Chrysene | 13.65 | 228 | 263664 | 43.70 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.63 | 149 | 227217 | 45.42 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.24 | 149 | 337332 | 43.21 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.14 | 276 | 270195 | 62.99 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.61 | 252 | 209837m | 40.25 | ng | | |
| 88) Benzo(k)fluoranthene | 14.63 | 252 | 228343m | 47.65 | ng | | |
| 89) Benzo(a)pyrene | 14.90 | 252 | 224894 | 48.09 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.14 | 278 | 223418 | 60.65 | ng | | 100 |
| 91) Benzo(g,h,i)perylene | 16.48 | 276 | 233632 | 64.52 | ng | | 99 |

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

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