Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
Data File : BM015821.D
Acq On : 07 Jul 2018 02:58
Operator : SJ/JU
Sample : PB110836BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB110836BS

Manual Integrations APPROVED
Sohil
7/9/2018 1:55:59 PM

Quant Time: Jul 07 04:38:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.30 | 152 | 133991 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.13 | 136 | 553488 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.93 | 164 | 307025 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.65 | 188 | 605585 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 414966 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.16 | 264 | 341999 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.81 | 112 | 1064780 | 136.28 | ng | | 0.00 |
| 7) Phenol-d6 | 7.46 | 99 | 1363142 | 127.44 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.50 | 82 | 917694 | 80.90 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.41 | 330 | 499296 | 124.46 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.56 | 172 | 1976914 | 79.94 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.22 | 244 | 2292372 | 102.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 91486 | 28.313 | ng | # | 100 |
| 3) Pyridine | 4.01 | 79 | 248805 | 29.179 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 217172 | 32.710 | ng | # | 44 |
| 6) Aniline | 7.63 | 93 | 257136 | 19.829 | ng | | 90 |
| 8) 2-Chlorophenol | 7.87 | 128 | 352599 | 37.603 | ng | | 95 |
| 9) Benzaldehyde | 7.44 | 77 | 149909 | 22.237 | ng | | 94 |
| 10) Phenol | 7.49 | 94 | 409237 | 38.077 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.72 | 93 | 287933 | 32.934 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.19 | 146 | 355495 | 34.194 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.34 | 146 | 366644 | 34.103 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 8.66 | 146 | 352144 | 33.868 | ng | # | 94 |
| 15) Benzyl Alcohol | 8.56 | 79 | 310854 | 33.476 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.83 | 45 | 452056 | 47.344 | ng | | 98 |
| 17) 2-Methylphenol | 8.76 | 107 | 280322 | 37.647 | ng | # | 86 |
| 18) Hexachloroethane | 9.39 | 117 | 149610 | 35.193 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 9.13 | 70 | 264365 | 30.754 | ng | # | 80 |
| 20) 3+4-Methylphenols | 9.09 | 107 | 372624 | 36.028 | ng | | 89 |
| 22) Acetophenone | 9.15 | 105 | 499682 | 34.656 | ng | # | 87 |
| 24) Nitrobenzene | 9.54 | 77 | 405948 | 36.762 | ng | | 99 |
| 25) Isophorone | 10.06 | 82 | 676632 | 39.079 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.25 | 139 | 181282 | 38.125 | ng | # | 65 |
| 27) 2,4-Dimethylphenol | 10.29 | 122 | 308953 | 42.770 | ng | # | 86 |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93 | 405610 | 35.957 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.79 | 162 | 325521 | 40.689 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.99 | 180 | 337528 | 36.323 | ng | | 97 |
| 31) Naphthalene | 11.19 | 128 | 1032229 | 35.971 | ng | | 99 |
| 32) Benzoic acid | 10.47 | 122 | 200715m | 31.384 | ng | | |
| 33) 4-Chloroaniline | 11.30 | 127 | 160151 | 13.688 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.45 | 225 | 219979 | 35.472 | ng | | 98 |
| 35) Caprolactam | 12.11 | 113 | 87618m | 33.023 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.40 | 107 | 342590 | 37.320 | ng | | 87 |
| 37) 2-Methylnaphthalene | 12.77 | 142 | 758963 | 37.180 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216 | 373711 | 37.924 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.10 | 237 | 417235 | 89.416 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.37 | 196 | 243856 | 39.149 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.45 | 196 | 251101 | 37.317 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 13.77 | 154 | 952132 | 35.868 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.82 | 162 | 734688 | 37.017 | ng | # | 92 |
| 47) 2-Nitroaniline | 14.03 | 65 | 242408 | 35.024 | ng | # | 81 |
| 48) Acenaphthylene | 14.66 | 152 | 1181209 | 36.585 | ng | | 99 |
| 49) Dimethylphthalate | 14.38 | 163 | 930901 | 34.379 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.52 | 165 | 192784 | 36.516 | ng | # | 74 |
| 51) Acenaphthene | 14.99 | 154 | 678509 | 33.772 | ng | | 96 |
| 52) 3-Nitroaniline | 14.84 | 138 | 102062 | 17.662 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 15.06 | 184 | 167762 | 64.942 | ng | | 91 |
| 54) Dibenzofuran | 15.32 | 168 | 1087903 | 35.141 | ng | # | 88 |
| 55) 4-Nitrophenol | 15.14 | 139 | 277795 | 65.137 | ng | # | 71 |
| 56) 2,4-Dinitrotoluene | 15.30 | 165 | 264655 | 34.722 | ng | | 94 |
| 57) Fluorene | 15.97 | 166 | 876721 | 34.342 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.54 | 232 | 212403 | 37.408 | ng | # | 100 |
| 59) Diethylphthalate | 15.72 | 149 | 965584 | 33.277 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.95 | 204 | 440567 | 33.538 | ng | # | 90 |
| 61) 4-Nitroaniline | 16.00 | 138 | 183121 | 30.547 | ng | # | 37 |
| 62) Azobenzene | 16.24 | 77 | 990285 | 36.408 | ng | | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 16.06 | 198 | 121146 | 32.907 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 16.17 | 169 | 739924 | 35.658 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.84 | 248 | 258191 | 38.185 | ng | # | 84 |
| 67) Hexachlorobenzene | 16.96 | 284 | 280604 | 37.139 | ng | # | 77 |
| 68) Atrazine | 17.10 | 200 | 259189 | 37.974 | ng | | 98 |
| 69) Pentachlorophenol | 17.30 | 266 | 284683 | 60.891 | ng | | 96 |
| 70) Phenanthrene | 17.69 | 178 | 1231628 | 35.549 | ng | | 99 |
| 71) Anthracene | 17.79 | 178 | 1251669 | 36.788 | ng | | 99 |
| 72) Carbazole | 18.05 | 167 | 1064621 | 33.578 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.57 | 149 | 1459078 | 34.143 | ng | # | 98 |
| 74) Fluoranthene | 19.67 | 202 | 1216021 | 30.531 | ng | | 98 |
| 76) Benzidine | 19.85 | 184 | 373117 | 30.689 | ng | | 98 |
| 77) Pyrene | 20.03 | 202 | 1187499 | 45.940 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 527607 | 42.225 | ng | # | 84 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 948176 | 36.039 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.67 | 252 | 180371 | 19.081 | ng | | 100 |
| 82) Chrysene | 21.80 | 228 | 879548 | 35.887 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 693781 | 37.578 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.54 | 149 | 1001900 | 33.281 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 26.64 | 276 | 880788 | 38.680 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.43 | 252 | 805332 | 35.270 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.48 | 252 | 752876 | 33.943 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.06 | 252 | 734070 | 36.522 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 26.64 | 278 | 743591 | 41.118 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 27.40 | 276 | 721082 | 45.381 | ng | | 95 |

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

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