Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082718\
Data File : BM016629.D
Acq On : 28 Aug 2018 05:51
Operator : SJ/JU
Sample : PB112404BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB112404BS

Quant Time: Aug 28 07:53:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 27 13:01:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 98654 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.80 | 136 | 389791 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.64 | 164 | 295667 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 932322 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.53 | 240 | 1204533 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.81 | 264 | 1123392 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 425389 | 84.50 | ng | | 0.00 |
| 7) Phenol-d6 | 7.18 | 99 | 533871 | 80.14 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 783872 | 91.82 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 726983 | 87.96 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.26 | 172 | 2999277 | 97.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.97 | 244 | 5938972 | 104.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 92988 | 33.433 | ng | # | 100 |
| 3) Pyridine | 3.80 | 79 | 181516 | 31.368 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 119709 | 46.435 | ng | # | 66 |
| 6) Aniline | 7.34 | 93 | 169592 | 22.749 | ng | | 90 |
| 8) 2-Chlorophenol | 7.56 | 128 | 240152 | 40.089 | ng | | 94 |
| 9) Benzaldehyde | 7.16 | 77 | 139559 | 30.186 | ng | # | 72 |
| 10) Phenol | 7.21 | 94 | 244236 | 37.071 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 179737 | 36.381 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.88 | 146 | 280215 | 35.281 | ng | # | 82 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 283267 | 34.753 | ng | # | 92 |
| 14) 1,2-Dichlorobenzene | 8.35 | 146 | 289392 | 36.139 | ng | | 95 |
| 15) Benzyl Alcohol | 8.26 | 79 | 219453 | 35.472 | ng | # | 79 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 120598 | 35.451 | ng | # | 43 |
| 17) 2-Methylphenol | 8.46 | 107 | 187190 | 39.236 | ng | # | 75 |
| 18) Hexachloroethane | 9.06 | 117 | 168139 | 44.777 | ng | # | 50 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 195902 | 37.507 | ng | # | 85 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 248525 | 37.675 | ng | # | 81 |
| 22) Acetophenone | 8.85 | 105 | 375714 | 40.028 | ng | # | 98 |
| 24) Nitrobenzene | 9.23 | 77 | 346127 | 40.579 | ng | # | 89 |
| 25) Isophorone | 9.75 | 82 | 539078 | 47.247 | ng | # | 91 |
| 26) 2-Nitrophenol | 9.94 | 139 | 134598 | 36.911 | ng | # | 26 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 226872 | 47.741 | ng | # | 76 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 273846 | 40.207 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 330786 | 46.509 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 519942 | 48.178 | ng | # | 95 |
| 31) Naphthalene | 10.86 | 128 | 784735 | 42.255 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 122369 | 30.776 | ng | # | 80 |
| 33) 4-Chloroaniline | 11.00 | 127 | 96148 | 12.302 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.10 | 225 | 546484 | 53.054 | ng | | 97 |
| 35) Caprolactam | 11.82 | 113 | 54812 | 32.117 | ng | # | 62 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 277764 | 40.624 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 669116 | 46.024 | ng | # | 85 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 831096 | 49.771 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.78 | 237 | 959500 | 110.226 | ng | | 98 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 467511 | 46.819 ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 457364 | 46.890 ng | # | 93 |
| 45) 1,1'-Biphenyl | 13.47 | 154 | 964150 | 37.189 ng | | 94 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 805262 | 38.232 ng | | 95 |
| 47) 2-Nitroaniline | 13.76 | 65 | 203719 | 36.312 ng | # | 82 |
| 48) Acenaphthylene | 14.37 | 152 | 1190954 | 40.057 ng | | 98 |
| 49) Dimethylphthalate | 14.11 | 163 | 1175298 | 41.375 ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 224025 | 40.434 ng | # | 70 |
| 51) Acenaphthene | 14.71 | 154 | 706594 | 38.684 ng | | 95 |
| 52) 3-Nitroaniline | 14.59 | 138 | 91700 | 18.190 ng | # | 68 |
| 53) 2,4-Dinitrophenol | 14.82 | 184 | 174671 | 62.997 ng | # | 70 |
| 54) Dibenzofuran | 15.04 | 168 | 1446821 | 41.378 ng | | 94 |
| 55) 4-Nitrophenol | 14.91 | 139 | 193485 | 60.174 ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 355724 | 38.503 ng | # | 91 |
| 57) Fluorene | 15.69 | 166 | 1193211 | 45.172 ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 463582 | 49.449 ng | # | 100 |
| 59) Diethylphthalate | 15.46 | 149 | 1118680 | 37.770 ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 1028976 | 46.451 ng | # | 86 |
| 61) 4-Nitroaniline | 15.76 | 138 | 138576 | 28.126 ng | # | 1 |
| 62) Azobenzene | 15.97 | 77 | 1367200 | 43.339 ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 213672 | 30.163 ng | # | 59 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 1008117 | 38.436 ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.57 | 248 | 641718 | 44.796 ng | | 98 |
| 67) Hexachlorobenzene | 16.69 | 284 | 716806 | 42.907 ng | # | 93 |
| 68) Atrazine | 16.85 | 200 | 595216 | 49.726 ng | | 90 |
| 69) Pentachlorophenol | 17.04 | 266 | 601555 | 68.054 ng | | 100 |
| 70) Phenanthrene | 17.43 | 178 | 1996784 | 41.438 ng | | 98 |
| 71) Anthracene | 17.52 | 178 | 2008491 | 41.975 ng | | 98 |
| 72) Carbazole | 17.80 | 167 | 1371394 | 31.891 ng | | 99 |
| 73) Di-n-butylphthalate | 18.32 | 149 | 1864638 | 35.567 ng | # | 97 |
| 74) Fluoranthene | 19.43 | 202 | 2899506 | 41.038 ng | | 94 |
| 76) Benzidine | 19.62 | 184 | 818887 | 35.351 ng | | 98 |
| 77) Pyrene | 19.79 | 202 | 2926671 | 44.708 ng | | 98 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 861448 | 38.124 ng | # | 71 |
| 80) Benzo(a)anthracene | 21.52 | 228 | 3031739 | 42.811 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.44 | 252 | 629425 | 19.968 ng | # | 95 |
| 82) Chrysene | 21.57 | 228 | 2744719 | 40.621 ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 1224901 | 36.465 ng | # | 95 |
| 84) Di-n-octyl phthalate | 22.29 | 149 | 1970241 | 35.295 ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 26.12 | 276 | 3365106 | 34.631 ng | # | 92 |
| 87) Benzo(b)fluoranthene | 23.12 | 252 | 3041643 | 46.969 ng | # | 91 |
| 88) Benzo(k)fluoranthene | 23.17 | 252 | 2877845 | 43.676 ng | # | 93 |
| 89) Benzo(a)pyrene | 23.71 | 252 | 2785880 | 44.213 ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 26.11 | 278 | 2842019 | 40.246 ng | # | 87 |
| 91) Benzo(g,h,i)perylene | 26.83 | 276 | 2588293 | 40.832 ng | # | 81 |

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

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