Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\
Data File : BM018773.D
Acq On : 12 Feb 2019 15:22
Operator : JU/SJ
Sample : PB117038BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB117038BSD

**Manual Integrations APPROVED**
Sohil
2/13/2019 12:20:43 PM

Quant Time: Feb 13 02:41:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 335186 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.50 | 136 | 1378617 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.37 | 164 | 791910 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.12 | 188 | 1837829 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.31 | 240 | 2078547 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.57 | 264 | 2041833 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 2923263 | 142.90 | ng | | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 4145813 | 143.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.89 | 82 | 2142537 | 71.86 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.87 | 330 | 1788832 | 156.71 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.98 | 172 | 4232378 | 70.95 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.75 | 244 | 7898010 | 78.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 364797 | 40.942 | ng | | 99 |
| 3) Pyridine | 3.66 | 79 | 1111562 | 45.736 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.58 | 42 | 302618 | 48.945 | ng | | 100 |
| 6) Aniline | 7.06 | 93 | 1585140 | 44.891 | ng | | 99 |
| 8) 2-Chlorophenol | 7.28 | 128 | 959076 | 42.701 | ng | | 97 |
| 9) Benzaldehyde | 6.87 | 77 | 859466 | 63.716 | ng | | 99 |
| 10) Phenol | 6.92 | 94 | 1311574 | 43.253 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.16 | 93 | 973150 | 42.071 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.60 | 146 | 1040613 | 41.204 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.75 | 146 | 1055993 | 41.071 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.06 | 146 | 1020427 | 41.318 | ng | | 99 |
| 15) Benzyl Alcohol | 7.96 | 79 | 988456 | 43.165 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.23 | 45 | 915538 | 40.894 | ng | | 98 |
| 17) 2-Methylphenol | 8.16 | 107 | 831904 | 43.104 | ng | | 98 |
| 18) Hexachloroethane | 8.78 | 117 | 395492 | 42.138 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.53 | 70 | 937605 | 42.019 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.49 | 107 | 1150617 | 43.174 | ng | | 98 |
| 22) Acetophenone | 8.55 | 105 | 1554540 | 41.061 | ng | # | 99 |
| 24) Nitrobenzene | 8.93 | 77 | 1312097 | 42.396 | ng | | 98 |
| 25) Isophorone | 9.45 | 82 | 2360692 | 49.622 | ng | | 100 |
| 26) 2-Nitrophenol | 9.63 | 139 | 541284 | 43.918 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.69 | 122 | 875157 | 48.617 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.93 | 93 | 1360921 | 44.238 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.16 | 162 | 905136 | 43.791 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.36 | 180 | 991828 | 41.551 | ng | | 99 |
| 31) Naphthalene | 10.56 | 128 | 3019495 | 44.909 | ng | | 99 |
| 32) Benzoic acid | 9.85 | 122 | 615818 | 39.218 | ng | | 98 |
| 33) 4-Chloroaniline | 10.68 | 127 | 1321854 | 43.980 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.82 | 225 | 550037 | 39.699 | ng | | 99 |
| 35) Caprolactam | 11.50 | 113 | 323168m | 38.310 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.80 | 107 | 1075341 | 43.151 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.17 | 142 | 2209039 | 46.665 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.39 | 142 | 2094276 | 45.241 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 1057866 | 41.759 | ng | | 99 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.51 | 237 | 1436899 | 110.942 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.79 | 196 | 741624 | 44.223 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.86 | 196 | 792013 | 45.059 ng | 97 |
| 46) 1,1'-Biphenyl | 13.19 | 154 | 2769621 | 40.631 ng | 100 |
| 47) 2-Chloronaphthalene | 13.24 | 162 | 2170314 | 41.221 ng | 100 |
| 48) 2-Nitroaniline | 13.46 | 65 | 783844 | 44.826 ng | 97 |
| 49) Acenaphthylene | 14.09 | 152 | 3566859 | 45.497 ng | 100 |
| 50) Dimethylphthalate | 13.83 | 163 | 2845745 | 43.119 ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.96 | 165 | 629935 | 44.062 ng | 99 |
| 52) Acenaphthene | 14.43 | 154 | 2043168 | 42.503 ng | 99 |
| 53) 3-Nitroaniline | 14.29 | 138 | 676740 | 41.894 ng | 97 |
| 54) 2,4-Dinitrophenol | 14.50 | 184 | 816161 | 89.251 ng | 96 |
| 55) Dibenzofuran | 14.77 | 168 | 3339968 | 42.271 ng | 99 |
| 56) 4-Nitrophenol | 14.61 | 139 | 1143916 | 88.710 ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.75 | 165 | 902164 | 45.800 ng | 98 |
| 58) Fluorene | 15.42 | 166 | 2749574 | 45.487 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.99 | 232 | 733098 | 47.185 ng | 100 |
| 60) Diethylphthalate | 15.20 | 149 | 2952860 | 43.374 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.42 | 204 | 1374609 | 40.559 ng | 97 |
| 62) 4-Nitroaniline | 15.47 | 138 | 693029 | 43.762 ng | 98 |
| 63) Azobenzene | 15.71 | 77 | 3128839 | 42.864 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.51 | 198 | 522593 | 40.500 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.63 | 169 | 2419825 | 41.675 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.31 | 248 | 831168 | 40.404 ng | 99 |
| 68) Hexachlorobenzene | 16.42 | 284 | 956250 | 39.992 ng | 97 |
| 69) Atrazine | 16.59 | 200 | 827330 | 44.197 ng | 98 |
| 70) Pentachlorophenol | 16.76 | 266 | 1272104 | 82.627 ng | 100 |
| 71) Phenanthrene | 17.16 | 178 | 4362819 | 44.173 ng | 100 |
| 72) Anthracene | 17.25 | 178 | 4456789 | 46.360 ng | 100 |
| 73) Carbazole | 17.53 | 167 | 4117380 | 40.995 ng | 99 |
| 74) Di-n-butylphthalate | 18.08 | 149 | 5121124 | 44.335 ng | 99 |
| 75) Fluoranthene | 19.18 | 202 | 5215078 | 45.711 ng | 98 |
| 77) Benzidine | 19.39 | 184 | 6291564 | 134.401 ng | 99 |
| 78) Pyrene | 19.54 | 202 | 5340649 | 44.240 ng | 99 |
| 80) Butylbenzylphthalate | 20.45 | 149 | 2540892 | 46.184 ng | 97 |
| 81) Benzo(a)anthracene | 21.30 | 228 | 5468983 | 45.138 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.24 | 252 | 2169999 | 45.317 ng | 100 |
| 83) Chrysene | 21.35 | 228 | 5065855 | 43.621 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 3657016 | 45.416 ng | 100 |
| 85) Di-n-octyl phthalate | 22.10 | 149 | 6378069 | 47.128 ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.87 | 276 | 5643283 | 42.089 ng | 100 |
| 88) Benzo(b)fluoranthene | 22.89 | 252 | 5571333 | 47.691 ng | 99 |
| 89) Benzo(k)fluoranthene | 22.94 | 252 | 5219753 | 44.881 ng | 100 |
| 90) Benzo(a)pyrene | 23.47 | 252 | 5173765 | 46.751 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 25.88 | 278 | 4822202 | 43.981 ng | 98 |
| 92) Benzo(g,h,i)perylene | 26.57 | 276 | 4412614 | 43.229 ng | 99 |

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

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