Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090220\
Data File : BM027301.D
Acq On : 02 Sep 2020 12:16
Operator : JU/CG
Sample : SSTDICC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDICC020

Quant Time: Sep 02 13:48:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM090220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 13:40:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 114145 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.35 | 136 | 448578 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.22 | 164 | 328262 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.96 | 188 | 795966 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.17 | 240 | 942371 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.34 | 264 | 1000103 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 267736 | 45.73 | ng | | 0.00 |
| 7) Phenol-d6 | 6.76 | 99 | 358605 | 44.61 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.72 | 82 | 403448 | 37.11 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.71 | 330 | 220061 | 41.40 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.83 | 172 | 931757 | 37.29 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.61 | 244 | 1906015 | 37.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 58451 | 20.889 | ng | | 99 |
| 3) Pyridine | 3.56 | 79 | 170222 | 21.671 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.47 | 42 | 66237 | 19.330 | ng | | 89 |
| 6) Aniline | 6.91 | 93 | 219565 | 24.042 | ng | | 99 |
| 8) 2-Chlorophenol | 7.15 | 128 | 138230 | 22.686 | ng | | 100 |
| 9) Benzaldehyde | 6.73 | 77 | 144688 | 26.286 | ng | | 99 |
| 10) Phenol | 6.79 | 94 | 173959 | 22.705 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.01 | 93 | 144807 | 23.122 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.47 | 146 | 169209 | 19.842 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.61 | 146 | 172208 | 20.015 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.92 | 146 | 165063 | 20.227 | ng | | 99 |
| 15) Benzyl Alcohol | 7.82 | 79 | 154120 | 21.091 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 110964 | 22.085 | ng | | 99 |
| 17) 2-Methylphenol | 8.02 | 107 | 119243 | 22.493 | ng | | 98 |
| 18) Hexachloroethane | 8.65 | 117 | 67363 | 19.292 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.38 | 70 | 147900 | 23.968 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.35 | 107 | 161203 | 22.725 | ng | | 99 |
| 22) Acetophenone | 8.39 | 105 | 243421 | 20.191 | ng | # | 97 |
| 24) Nitrobenzene | 8.76 | 77 | 213735 | 19.421 | ng | | 99 |
| 25) Isophorone | 9.29 | 82 | 358572 | 22.516 | ng | | 99 |
| 26) 2-Nitrophenol | 9.47 | 139 | 75995 | 22.123 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.54 | 122 | 134110 | 25.145 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.77 | 93 | 202267 | 20.813 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.00 | 162 | 151661 | 20.389 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.22 | 180 | 179700 | 18.403 | ng | | 99 |
| 31) Naphthalene | 10.40 | 128 | 451941 | 19.878 | ng | | 99 |
| 32) Benzoic acid | 9.66 | 122 | 70543 | 18.459 | ng | | 99 |
| 33) 4-Chloroaniline | 10.51 | 127 | 197450 | 21.021 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.69 | 225 | 121137 | 17.209 | ng | | 99 |
| 35) Caprolactam | 11.28 | 113 | 43065 | 21.358 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.65 | 107 | 165957 | 21.584 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.02 | 142 | 354849 | 20.610 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.24 | 142 | 337326 | 20.358 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216 | 221357 | 19.147 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.38 | 237 | 140479 | 21.984 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.64 | 196 | 135026 | 18.916 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 12.71 | 196 | 148485 | 19.616 ng | 96 |
| 46) 1,1'-Biphenyl | 13.04 | 154 | 492377 | 20.013 ng | 98 |
| 47) 2-Chloronaphthalene | 13.08 | 162 | 391564 | 18.666 ng | 99 |
| 48) 2-Nitroaniline | 13.29 | 65 | 121570 | 18.159 ng | 95 |
| 49) Acenaphthylene | 13.93 | 152 | 596715 | 20.455 ng | 99 |
| 50) Dimethylphthalate | 13.69 | 163 | 518084 | 19.440 ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.79 | 165 | 109988 | 20.755 ng | 93 |
| 52) Acenaphthene | 14.28 | 154 | 369435 | 19.949 ng | 97 |
| 53) 3-Nitroaniline | 14.12 | 138 | 100469 | 19.658 ng | 97 |
| 54) 2,4-Dinitrophenol | 14.33 | 184 | 55507 | 20.062 ng | 94 |
| 55) Dibenzofuran | 14.62 | 168 | 635323 | 20.594 ng | 100 |
| 56) 4-Nitrophenol | 14.44 | 139 | 83679 | 20.517 ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 154143 | 20.937 ng | 97 |
| 58) Fluorene | 15.27 | 166 | 521291 | 20.468 ng | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 146688 | 19.783 ng | 97 |
| 60) Diethylphthalate | 15.06 | 149 | 538890 | 20.382 ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.27 | 204 | 284221 | 19.430 ng | 98 |
| 62) 4-Nitroaniline | 15.29 | 138 | 104562 | 18.231 ng | 90 |
| 63) Azobenzene | 15.56 | 77 | 572284 | 21.098 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.36 | 198 | 86614 | 22.157 ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.49 | 169 | 463154 | 20.487 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.16 | 248 | 181806 | 18.918 ng | 95 |
| 68) Hexachlorobenzene | 16.28 | 284 | 213235 | 18.684 ng | 99 |
| 69) Atrazine | 16.44 | 200 | 137773 | 16.097 ng | 98 |
| 70) Pentachlorophenol | 16.62 | 266 | 122290 | 19.811 ng | 99 |
| 71) Phenanthrene | 17.00 | 178 | 875662 | 19.790 ng | 99 |
| 72) Anthracene | 17.10 | 178 | 886151 | 20.949 ng | 99 |
| 73) Carbazole | 17.37 | 167 | 787839 | 20.249 ng | 99 |
| 74) Di-n-butylphthalate | 17.95 | 149 | 940351 | 20.925 ng | 100 |
| 75) Fluoranthene | 19.03 | 202 | 1086328 | 19.654 ng | 100 |
| 77) Benzidine | 19.22 | 184 | 427644 | 26.162 ng | 99 |
| 78) Pyrene | 19.39 | 202 | 1140903 | 19.896 ng | 100 |
| 80) Butylbenzylphthalate | 20.32 | 149 | 434590 | 20.735 ng | 96 |
| 81) Benzo(a)anthracene | 21.15 | 228 | 1185392 | 19.412 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.09 | 252 | 446241 | 20.969 ng | 99 |
| 83) Chrysene | 21.20 | 228 | 1147735 | 19.352 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.11 | 149 | 681030 | 22.831 ng | 99 |
| 85) Di-n-octyl phthalate | 21.97 | 149 | 1142784 | 23.220 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 1336267 | 17.071 ng | 100 |
| 88) Benzo(b)fluoranthene | 22.69 | 252 | 1260186 | 18.896 ng | 100 |
| 89) Benzo(k)fluoranthene | 22.74 | 252 | 1237323 | 18.950 ng | 99 |
| 90) Benzo(a)pyrene | 23.24 | 252 | 1089352 | 17.893 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 25.51 | 278 | 1130554 | 17.354 ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.16 | 276 | 1105328 | 17.611 ng | 98 |

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

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