Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082420\
Data File : BM027194.D
Acq On : 24 Aug 2020 14:09
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
8/25/2020 4:18:15 PM

Quant Time: Aug 24 15:38:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 15:18:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 124507 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.37 | 136 | 446485 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.24 | 164 | 307427 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.99 | 188 | 715913 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.19 | 240 | 732852 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.37 | 264 | 769123 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 519203 | 81.29 | ng | | 0.00 |
| 7) Phenol-d6 | 6.79 | 99 | 699941 | 79.82 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.75 | 82 | 767241 | 70.90 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.74 | 330 | 374722 | 75.27 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.86 | 172 | 1671883 | 71.44 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.63 | 244 | 2936682 | 74.86 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.20 | 88 | 106671 | 34.949 | ng | | 99 |
| 3) Pyridine | 3.58 | 79 | 318343m | 37.155 | ng | | |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 120658m | 32.281 | ng | | |
| 6) Aniline | 6.94 | 93 | 387446 | 38.893 | ng | | 99 |
| 8) 2-Chlorophenol | 7.17 | 128 | 258460 | 38.887 | ng | | 97 |
| 9) Benzaldehyde | 6.75 | 77 | 235243 | 39.181 | ng | | 99 |
| 10) Phenol | 6.82 | 94 | 323303 | 38.686 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.04 | 93 | 270618 | 39.615 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.50 | 146 | 342613 | 36.833 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.64 | 146 | 345001 | 36.760 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.95 | 146 | 325771 | 36.598 | ng | | 99 |
| 15) Benzyl Alcohol | 7.85 | 79 | 290277 | 36.419 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.14 | 45 | 213876 | 39.025 | ng | | 95 |
| 17) 2-Methylphenol | 8.05 | 107 | 220235 | 38.086 | ng | | 96 |
| 18) Hexachloroethane | 8.67 | 117 | 135340 | 35.535 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.41 | 70 | 246986 | 36.694 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.38 | 107 | 297496 | 38.447 | ng | | 98 |
| 22) Acetophenone | 8.42 | 105 | 437400 | 36.451 | ng | # | 96 |
| 24) Nitrobenzene | 8.79 | 77 | 377047 | 34.421 | ng | | 93 |
| 25) Isophorone | 9.32 | 82 | 585048 | 36.909 | ng | | 98 |
| 26) 2-Nitrophenol | 9.50 | 139 | 146188 | 42.757 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 9.57 | 122 | 201067 | 37.876 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.80 | 93 | 370393 | 38.292 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.03 | 162 | 281119 | 37.971 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.25 | 180 | 353173 | 36.338 | ng | | 99 |
| 31) Naphthalene | 10.43 | 128 | 817064 | 36.106 | ng | | 100 |
| 32) Benzoic acid | 9.71 | 122 | 170356 | 39.382 | ng | | 98 |
| 33) 4-Chloroaniline | 10.53 | 127 | 353797 | 37.843 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.72 | 225 | 245558 | 37.889 | ng | | 98 |
| 35) Caprolactam | 11.32 | 113 | 84592 | 42.150 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.67 | 107 | 287123 | 37.518 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.04 | 142 | 619978 | 36.177 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.27 | 142 | 591253 | 35.850 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 391913 | 36.198 | ng | | 98 |

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 15:18:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.41 | 237 | 214307 | 35.811 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.67 | 196 | 255539 | 38.224 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 12.74 | 196 | 264258 | 37.276 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.07 | 154 | 825689 | 35.834 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.11 | 162 | 705216 | 35.897 | ng | | 98 |
| 48) 2-Nitroaniline | 13.32 | 65 | 233386 | 37.224 | ng | | 93 |
| 49) Acenaphthylene | 13.96 | 152 | 1018684 | 37.286 | ng | | 99 |
| 50) Dimethylphthalate | 13.71 | 163 | 900806 | 36.091 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.82 | 165 | 190842 | 38.453 | ng | | 91 |
| 52) Acenaphthene | 14.31 | 154 | 640725 | 36.943 | ng | | 99 |
| 53) 3-Nitroaniline | 14.14 | 138 | 192080 | 40.130 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.36 | 184 | 103128 | 39.800 | ng | | 94 |
| 55) Dibenzofuran | 14.64 | 168 | 1038810 | 35.955 | ng | | 97 |
| 56) 4-Nitrophenol | 14.47 | 139 | 157201 | 41.155 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.61 | 165 | 268391 | 38.925 | ng | | 95 |
| 58) Fluorene | 15.30 | 166 | 870471 | 36.494 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 262273 | 37.768 | ng | | 97 |
| 60) Diethylphthalate | 15.09 | 149 | 921211 | 37.204 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.30 | 204 | 488689 | 35.673 | ng | | 97 |
| 62) 4-Nitroaniline | 15.32 | 138 | 216438 | 40.296 | ng | | 88 |
| 63) Azobenzene | 15.59 | 77 | 904891 | 35.620 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 144321 | 41.047 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.51 | 169 | 755496 | 37.155 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.19 | 248 | 318746 | 36.876 | ng | | 96 |
| 68) Hexachlorobenzene | 16.30 | 284 | 372303 | 36.269 | ng | | 98 |
| 69) Atrazine | 16.47 | 200 | 293591 | 38.138 | ng | | 98 |
| 70) Pentachlorophenol | 16.64 | 266 | 224630 | 40.458 | ng | | 98 |
| 71) Phenanthrene | 17.03 | 178 | 1445552 | 36.322 | ng | | 100 |
| 72) Anthracene | 17.12 | 178 | 1410493 | 37.073 | ng | | 99 |
| 73) Carbazole | 17.39 | 167 | 1314548 | 37.564 | ng | | 98 |
| 74) Di-n-butylphthalate | 17.97 | 149 | 1635103 | 40.454 | ng | | 99 |
| 75) Fluoranthene | 19.05 | 202 | 1612779 | 32.441 | ng | | 99 |
| 77) Benzidine | 19.24 | 184 | 597438 | 46.998 | ng | | 99 |
| 78) Pyrene | 19.42 | 202 | 1666725 | 37.376 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.34 | 149 | 647939 | 39.753 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.17 | 228 | 1764347 | 37.153 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.11 | 252 | 683990 | 41.330 | ng | | 98 |
| 83) Chrysene | 21.23 | 228 | 1696746 | 36.789 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 934483 | 40.283 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.00 | 149 | 1569222 | 41.001 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 1955744 | 32.489 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 22.73 | 252 | 1786044 | 34.824 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 22.77 | 252 | 1764258 | 35.135 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.28 | 252 | 1657088 | 35.392 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.57 | 278 | 1622112 | 32.377 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.22 | 276 | 1554242 | 32.200 | ng | # | 97 |

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

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