Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\
Data File : BG035700.D
Acq On : 18 Jul 2018 3:10
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
7/18/2018 3:27:52 PM

Quant Time: Jul 18 04:47:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 57690 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.84 | 136 | 236945 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 162888 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 420818 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.68 | 240 | 445388 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.88 | 264 | 442084 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 278073 | 80.03 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 414152 | 79.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 429591 | 75.74 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 171277 | 79.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 963282 | 79.23 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1531748 | 75.81 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 63207 | 35.739 | ng | # | 68 |
| 3) Pyridine | 3.94 | 79 | 181370 | 39.283 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 71430 | 36.031 | ng | # | 72 |
| 6) Aniline | 7.37 | 93 | 253697 | 37.754 | ng | | 100 |
| 8) 2-Chlorophenol | 7.61 | 128 | 144596 | 40.915 | ng | | 99 |
| 9) Benzaldehyde | 7.19 | 77 | 119243 | 37.486 | ng | | 96 |
| 10) Phenol | 7.24 | 94 | 216632 | 41.360 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 161463 | 39.363 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 173435 | 40.639 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 174090 | 40.148 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 165303 | 39.682 | ng | | 94 |
| 15) Benzyl Alcohol | 8.28 | 79 | 178420 | 37.898 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 153017m | 44.495 | ng | | |
| 17) 2-Methylphenol | 8.48 | 107 | 139256 | 39.104 | ng | | 94 |
| 18) Hexachloroethane | 9.12 | 117 | 66192 | 39.924 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 157295 | 36.030 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 199071 | 40.295 | ng | | 91 |
| 22) Acetophenone | 8.87 | 105 | 281547 | 38.211 | ng | # | 90 |
| 24) Nitrobenzene | 9.25 | 77 | 212017 | 37.168 | ng | | 92 |
| 25) Isophorone | 9.76 | 82 | 395909 | 37.601 | ng | | 98 |
| 26) 2-Nitrophenol | 9.96 | 139 | 90234 | 44.541 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 137195 | 40.007 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 223983 | 38.606 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 161106 | 41.156 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 198086 | 41.267 | ng | | 96 |
| 31) Naphthalene | 10.90 | 128 | 478017 | 38.729 | ng | | 97 |
| 32) Benzoic acid | 10.18 | 122 | 88870 | 38.496 | ng | | 98 |
| 33) 4-Chloroaniline | 11.00 | 127 | 207631 | 38.597 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 154644 | 41.315 | ng | | 98 |
| 35) Caprolactam | 11.78 | 113 | 60302 | 35.897 | ng | # | 71 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 204969 | 39.064 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 359639 | 39.110 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 248948 | 40.493 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 137623 | 42.684 | ng | | 91 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 153479 | 42.688 ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 169057 | 42.032 ng | | 97 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 508664 | 40.279 ng | | 98 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 394650 | 40.176 ng | | 99 |
| 47) 2-Nitroaniline | 13.75 | 65 | 135808 | 39.106 ng | | 91 |
| 48) Acenaphthylene | 14.39 | 152 | 647997 | 39.380 ng | | 98 |
| 49) Dimethylphthalate | 14.12 | 163 | 548764 | 38.452 ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 122678 | 42.213 ng | | 92 |
| 51) Acenaphthene | 14.73 | 154 | 398893 | 38.915 ng | | 96 |
| 52) 3-Nitroaniline | 14.57 | 138 | 117612 | 39.596 ng | # | 95 |
| 53) 2,4-Dinitrophenol | 14.82 | 184 | 3169 | 8.528 ng | # | 43 |
| 54) Dibenzofuran | 15.06 | 168 | 635259 | 38.969 ng | | 93 |
| 55) 4-Nitrophenol | 14.89 | 139 | 85173 | 40.264 ng | # | 86 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 171378 | 41.105 ng | # | 84 |
| 57) Fluorene | 15.71 | 166 | 526659 | 38.546 ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 150460 | 39.016 ng | | 94 |
| 59) Diethylphthalate | 15.48 | 149 | 551280 | 37.567 ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 316418 | 39.402 ng | | 97 |
| 61) 4-Nitroaniline | 15.73 | 138 | 120760 | 38.866 ng | | 87 |
| 62) Azobenzene | 16.00 | 77 | 520748 | 35.976 ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 59869 | 25.557 ng | | 87 |
| 65) n-Nitrosodiphenylamine | 15.91 | 169 | 485642 | 40.544 ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 205457 | 42.083 ng | | 98 |
| 67) Hexachlorobenzene | 16.72 | 284 | 212167 | 42.199 ng | | 94 |
| 68) Atrazine | 16.87 | 200 | 195467 | 39.635 ng | | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 155620 | 50.817 ng | | 100 |
| 70) Phenanthrene | 17.45 | 178 | 814560 | 38.792 ng | | 99 |
| 71) Anthracene | 17.54 | 178 | 830150 | 39.704 ng | | 99 |
| 72) Carbazole | 17.81 | 167 | 765997 | 38.577 ng | | 98 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 887577 | 37.826 ng | # | 99 |
| 74) Fluoranthene | 19.46 | 202 | 1061597 | 37.533 ng | | 97 |
| 76) Benzidine | 19.64 | 184 | 424713 | 36.271 ng | | 99 |
| 77) Pyrene | 19.82 | 202 | 1082860 | 38.451 ng | | 96 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 410340 | 40.745 ng | | 96 |
| 80) Benzo(a)anthracene | 21.65 | 228 | 1069203 | 38.522 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 409279 | 42.291 ng | # | 99 |
| 82) Chrysene | 21.72 | 228 | 1000710 | 38.908 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 573076 | 41.856 ng | | 99 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 974051 | 42.489 ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 1169453 | 41.068 ng | # | 87 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 1024582 | 38.131 ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.94 | 252 | 1033858 | 39.357 ng | # | 95 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 977812 | 39.116 ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 28.61 | 278 | 972313 | 39.620 ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 29.70 | 276 | 948160 | 39.483 ng | # | 95 |

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

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