Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
Data File : BG036861.D
Acq On : 21 Sep 2018 16:42
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
Sohil
9/24/2018 9:29:41 AM

Quant Time: Sep 21 17:51:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 20:07:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 48658 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 224593 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 153053 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 385448 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 402945 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 423429 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 187135 | 73.76 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 274464 | 69.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 284203 | 67.76 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 125831 | 68.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 673127 | 65.50 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.03 | 244 | 970755 | 63.35 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 44350 | 38.200 | ng | | 98 |
| 3) Pyridine | 3.93 | 79 | 124543 | 37.152 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 53780 | 36.096 | ng | # | 95 |
| 6) Aniline | 7.38 | 93 | 168510 | 33.083 | ng | | 99 |
| 8) 2-Chlorophenol | 7.61 | 128 | 101984 | 34.618 | ng | | 96 |
| 9) Benzaldehyde | 7.19 | 77 | 88638 | 34.172 | ng | | 94 |
| 10) Phenol | 7.24 | 94 | 141215 | 34.857 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 117390 | 31.325 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 123002 | 34.056 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 123965 | 33.539 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 118790 | 33.165 | ng | | 95 |
| 15) Benzyl Alcohol | 8.29 | 79 | 104048 | 32.666 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 234832 | 32.640 | ng | | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 91209 | 32.321 | ng | | 95 |
| 18) Hexachloroethane | 9.13 | 117 | 45648 | 33.561 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 104734 | 32.072 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 131742 | 33.557 | ng | | 97 |
| 22) Acetophenone | 8.87 | 105 | 167853 | 31.803 | ng | | 96 |
| 24) Nitrobenzene | 9.26 | 77 | 147840 | 33.009 | ng | | 98 |
| 25) Isophorone | 9.77 | 82 | 256470 | 33.467 | ng | | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 64131 | 35.923 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 92271 | 33.181 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 157579 | 33.324 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 115715 | 35.896 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 137656 | 34.122 | ng | | 99 |
| 31) Naphthalene | 10.91 | 128 | 352197 | 32.958 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 65952m | 33.021 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 161886 | 33.318 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 95497 | 34.230 | ng | | 97 |
| 35) Caprolactam | 11.78 | 113 | 43519 | 32.800 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 131436 | 34.171 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 265689 | 32.644 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 177989 | 33.342 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 94502 | 34.421 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 102706 | 34.647 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 111458 | 35.262 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 380366 | 32.450 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 302191 | 32.782 | ng | | 99 |
| 47) 2-Nitroaniline | 13.76 | 65 | 105090 | 32.960 | ng | | 99 |
| 48) Acenaphthylene | 14.40 | 152 | 470611 | 32.580 | ng | | 98 |
| 49) Dimethylphthalate | 14.13 | 163 | 396282 | 32.166 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 88693 | 32.997 | ng | | 97 |
| 51) Acenaphthene | 14.74 | 154 | 278971 | 31.955 | ng | | 98 |
| 52) 3-Nitroaniline | 14.59 | 138 | 91477 | 32.296 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 35992 | 33.489 | ng | | 89 |
| 54) Dibenzofuran | 15.07 | 168 | 476273 | 32.253 | ng | | 99 |
| 55) 4-Nitrophenol | 14.89 | 139 | 62823 | 34.719 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 124590 | 33.218 | ng | | 91 |
| 57) Fluorene | 15.72 | 166 | 356424 | 32.293 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 112798 | 35.178 | ng | | 93 |
| 59) Diethylphthalate | 15.48 | 149 | 403474 | 32.471 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 228067 | 32.629 | ng | | 97 |
| 61) 4-Nitroaniline | 15.75 | 138 | 99291 | 33.327 | ng | | 96 |
| 62) Azobenzene | 16.01 | 77 | 392521 | 32.876 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 70996 | 35.231 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 349836 | 32.876 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 145719 | 33.237 | ng | | 98 |
| 67) Hexachlorobenzene | 16.72 | 284 | 152963 | 33.875 | ng | | 98 |
| 68) Atrazine | 16.87 | 200 | 146321 | 33.960 | ng | | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 95335 | 33.534 | ng | | 98 |
| 70) Phenanthrene | 17.47 | 178 | 624535 | 33.623 | ng | | 99 |
| 71) Anthracene | 17.55 | 178 | 619010 | 33.703 | ng | | 99 |
| 72) Carbazole | 17.82 | 167 | 610562 | 34.095 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 686266 | 34.508 | ng | | 99 |
| 74) Fluoranthene | 19.47 | 202 | 766456 | 34.280 | ng | | 100 |
| 76) Benzidine | 19.65 | 184 | 411766 | 33.804 | ng | | 99 |
| 77) Pyrene | 19.83 | 202 | 785077 | 32.468 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 312213 | 32.394 | ng | | 94 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 764152 | 32.487 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 299718 | 33.476 | ng | | 99 |
| 82) Chrysene | 21.74 | 228 | 735353 | 32.356 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 429264 | 31.882 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 721057 | 32.527 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.56 | 276 | 841889 | 34.497 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.88 | 252 | 756661 | 33.532 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 722595 | 31.918 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 721362 | 33.066 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.62 | 278 | 683358 | 33.422 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.70 | 276 | 684272 | 33.347 | ng | | 97 |

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

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