Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
Data File : BG049929.D
Acq On : 21 Aug 2021 5:02
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
8/23/2021 4:29:09 PM

Quant Time: Aug 23 06:02:30 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 21 05:13:22 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.992 | 152 | 36288 | 20.000 | ng | | 0.01 |
| 21) Naphthalene-d8 | 10.812 | 136 | 147295 | 20.000 | ng | # | 0.01 |
| 39) Acenaphthene-d10 | 14.653 | 164 | 95214 | 20.000 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 17.408 | 188 | 176705 | 20.000 | ng | # | 0.02 |
| 76) Chrysene-d12 | 21.685 | 240 | 123786 | 20.000 | ng | | 0.03 |
| 86) Perylene-d12 | 24.939 | 264 | 58941 | 20.000 | ng | | 0.06 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.548 | 112 | 143275 | 70.777 | ng | | 0.02 |
| 7) Phenol-d6 | 7.169 | 99 | 222272 | 72.536 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 9.167 | 82 | 223773 | 67.227 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 16.151 | 330 | 96866 | 69.214 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 13.267 | 172 | 474036 | 72.443 | ng | | 0.01 |
| 79) Terphenyl-d14 | 20.017 | 244 | 553287 | 81.179 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.386 | 88 | 22800 | 25.774 | ng | | 99 |
| 3) Pyridine | 3.803 | 79 | 70169 | 28.938 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.715 | 42 | 39083 | 29.975 | ng | # | 92 |
| 6) Aniline | 7.316 | 93 | 114546 | 35.271 | ng | | 95 |
| 8) 2-Chlorophenol | 7.557 | 128 | 83549 | 37.856 | ng | | 93 |
| 9) Benzaldehyde | 7.122 | 77 | 64959 | 31.770 | ng | | 92 |
| 10) Phenol | 7.199 | 94 | 107766 | 36.296 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.404 | 93 | 68268 | 34.053 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.880 | 146 | 93116 | 36.838 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.027 | 146 | 92264 | 36.060 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.350 | 146 | 87670 | 36.169 | ng | | 95 |
| 15) Benzyl Alcohol | 8.239 | 79 | 91565 | 35.581 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.520 | 45 | 78497 | 34.460 | ng | | 97 |
| 17) 2-Methylphenol | 8.450 | 107 | 73398 | 37.540 | ng | | 97 |
| 18) Hexachloroethane | 9.073 | 117 | 27047 | 27.499 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.802 | 70 | 69213 | 33.753 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.785 | 107 | 103613 | 37.733 | ng | | 95 |
| 22) Acetophenone | 8.820 | 105 | 131931 | 32.969 | ng | # | 97 |
| 24) Nitrobenzene | 9.208 | 77 | 116454 | 33.155 | ng | | 98 |
| 25) Isophorone | 9.731 | 82 | 193627 | 32.599 | ng | | 97 |
| 26) 2-Nitrophenol | 9.924 | 139 | 18952 | 14.139 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.989 | 122 | 72800 | 36.746 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.206 | 93 | 90200 | 34.715 | ng | # | 86 |
| 29) 2,4-Dichlorophenol | 10.471 | 162 | 90811 | 37.353 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.676 | 180 | 98901 | 36.946 | ng | | 95 |
| 31) Naphthalene | 10.864 | 128 | 267593 | 34.689 | ng | | 97 |
| 32) Benzoic acid | 10.171 | 122 | 27908m | 22.839 | ng | | |
| 33) 4-Chloroaniline | 10.976 | 127 | 108989 | 35.787 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.140 | 225 | 71180 | 36.591 | ng | | 97 |
| 35) Caprolactam | 11.787 | 113 | 25362 | 33.763 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 12.116 | 107 | 98373 | 35.030 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 12.474 | 142 | 203631 | 35.041 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.697 | 142 | 188996 | 34.605 | ng | | 92 |
| 40) 1,2,4,5-Tetrachloroben... | 12.844 | 216 | 108166 | 38.556 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.091 | 196 | 74298 | 39.283 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.179 | 196 | 77822 | 37.927 | ng | | 90 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.478 | 154 | 245876 | 36.257 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.531 | 162 | 199459 | 36.825 | ng | | 98 |
| 48) 2-Nitroaniline | 13.737 | 65 | 84918 | 42.697 | ng | | 94 |
| 49) Acenaphthylene | 14.377 | 152 | 301854 | 35.162 | ng | | 98 |
| 50) Dimethylphthalate | 14.101 | 163 | 241503 | 33.618 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.230 | 165 | 35060 | 22.166 | ng | # | 86 |
| 52) Acenaphthene | 14.718 | 154 | 181570 | 35.110 | ng | | 94 |
| 53) 3-Nitroaniline | 14.559 | 138 | 68920 | 44.682 | ng | | 93 |
| 55) Dibenzofuran | 15.053 | 168 | 288717 | 34.414 | ng | | 97 |
| 56) 4-Nitrophenol | 14.900 | 139 | 29540 | 26.214 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 15.023 | 165 | 43467 | 19.566 | ng | | 95 |
| 58) Fluorene | 15.705 | 166 | 230851 | 33.855 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.288 | 232 | 63462 | 33.301 | ng | | 98 |
| 60) Diethylphthalate | 15.458 | 149 | 239592 | 33.161 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.687 | 204 | 121223 | 33.308 | ng | | 95 |
| 62) 4-Nitroaniline | 15.728 | 138 | 71085 | 44.802 | ng | | 89 |
| 63) Azobenzene | 15.981 | 77 | 237148 | 31.011 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 15.905 | 169 | 197679 | 39.592 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.586 | 248 | 79872 | 38.380 | ng | | 96 |
| 68) Hexachlorobenzene | 16.715 | 284 | 86443 | 37.387 | ng | | 95 |
| 69) Atrazine | 16.856 | 200 | 71759 | 35.929 | ng | | 98 |
| 70) Pentachlorophenol | 17.074 | 266 | 23655 | 19.080 | ng | | 94 |
| 71) Phenanthrene | 17.450 | 178 | 325933 | 35.059 | ng | | 96 |
| 72) Anthracene | 17.544 | 178 | 324279 | 35.517 | ng | | 99 |
| 73) Carbazole | 17.814 | 167 | 301956 | 34.919 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.354 | 149 | 330405 | 32.777 | ng | | 99 |
| 75) Fluoranthene | 19.464 | 202 | 336529 | 29.417 | ng | | 99 |
| 77) Benzidine | 19.641 | 184 | 114110 | 35.978 | ng | | 98 |
| 78) Pyrene | 19.829 | 202 | 334481 | 39.635 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.698 | 149 | 123596 | 38.456 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.667 | 228 | 270520 | 33.557 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.573 | 252 | 88001 | 37.387 | ng | | 99 |
| 83) Chrysene | 21.732 | 228 | 286363 | 37.161 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.550 | 149 | 174896 | 38.443 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.766 | 149 | 297944 | 38.766 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.670 | 276 | 86793m | 20.418 | ng | | |
| 88) Benzo(b)fluoranthene | 23.906 | 252 | 149066 | 38.562 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 23.970 | 252 | 190875 | 52.936 | ng | # | 96 |
| 90) Benzo(a)pyrene | 24.787 | 252 | 145297 | 41.533 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.723 | 278 | 73326 | 20.471 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.815 | 276 | 71323m | 20.324 | ng | | |

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

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