Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062321\
Data File : BG049066.D
Acq On : 23 Jun 2021 18:09
Operator : CG/JU
Sample : M2800-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BORING-ADDITIONMSD

**Manual Integrations APPROVED**
mohammad
6/24/2021 9:50:18 AM

Quant Time: Jun 24 02:18:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 16 12:04:50 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.111 | 152 | 28674 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.931 | 136 | 112731 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.750 | 164 | 86840 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.500 | 188 | 224113 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.789 | 240 | 226148 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.109 | 264 | 240143 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.661 | 112 | 168104 | 91.262 | ng | | 0.00 |
| 7) Phenol-d6 | 7.259 | 99 | 222181 | 80.477 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.274 | 82 | 155640 | 59.533 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.237 | 330 | 144690 | 112.460 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.375 | 172 | 333235 | 54.209 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.103 | 244 | 719918 | 58.301 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.528 | 88 | 31139 | 34.628 | ng | # | 76 |
| 3) Pyridine | 3.933 | 79 | 79178 | 32.457 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.845 | 42 | 60477 | 51.769 | ng | # | 81 |
| 6) Aniline | 7.424 | 93 | 120272 | 34.593 | ng | | 93 |
| 8) 2-Chlorophenol | 7.670 | 128 | 98194 | 48.365 | ng | | 85 |
| 9) Benzaldehyde | 7.241 | 77 | 75491 | 52.844 | ng | | 90 |
| 10) Phenol | 7.288 | 94 | 131993 | 46.278 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.518 | 93 | 90080 | 42.567 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 7.999 | 146 | 104771 | 46.195 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.146 | 146 | 104969 | 46.423 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.463 | 146 | 100914 | 46.392 | ng | | 91 |
| 15) Benzyl Alcohol | 8.346 | 79 | 115106 | 45.525 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.640 | 45 | 153831 | 38.418 | ng | | 83 |
| 17) 2-Methylphenol | 8.552 | 107 | 88865 | 47.511 | ng | | 98 |
| 18) Hexachloroethane | 9.198 | 117 | 43538 | 47.996 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.916 | 70 | 84438 | 39.128 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.881 | 107 | 122502 | 47.903 | ng | | 96 |
| 22) Acetophenone | 8.934 | 105 | 165169 | 48.158 | ng | # | 98 |
| 24) Nitrobenzene | 9.321 | 77 | 131266 | 44.574 | ng | | 94 |
| 25) Isophorone | 9.844 | 82 | 225824 | 39.649 | ng | | 98 |
| 26) 2-Nitrophenol | 10.032 | 139 | 56571 | 56.631 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.091 | 122 | 97851 | 54.027 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.326 | 93 | 125036 | 47.410 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.573 | 162 | 102556 | 50.472 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.790 | 180 | 115754 | 49.688 | ng | | 94 |
| 31) Naphthalene | 10.984 | 128 | 307859 | 45.840 | ng | | 99 |
| 32) Benzoic acid | 10.232 | 122 | 75235 | 63.597 | ng | # | 77 |
| 33) 4-Chloroaniline | 11.084 | 127 | 53908 | 18.905 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.266 | 225 | 80925 | 48.739 | ng | | 97 |
| 35) Caprolactam | 11.865 | 113 | 38379m | 65.341 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.206 | 107 | 124577 | 50.160 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.582 | 142 | 234137 | 46.156 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.800 | 142 | 217252 | 45.618 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.946 | 216 | 136817 | 49.616 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.929 | 237 | 194742 | 109.858 | ng | | 90 |
| 43) 2,4,6-Trichlorophenol | 13.187 | 196 | 102382 | 55.491 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.264 | 196 | 112955 | 59.206 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.587 | 154 | 298849 | 46.678 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.628 | 162 | 245265 | 47.972 | ng | | 97 |
| 48) 2-Nitroaniline | 13.828 | 65 | 98886 | 51.758 | ng | | 96 |
| 49) Acenaphthylene | 14.474 | 152 | 400571 | 47.017 | ng | | 94 |
| 50) Dimethylphthalate | 14.204 | 163 | 349124 | 51.612 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.321 | 165 | 77074 | 55.949 | ng | | 91 |
| 52) Acenaphthene | 14.815 | 154 | 308997m | 56.270 | ng | | |
| 53) 3-Nitroaniline | 14.650 | 138 | 46430 | 33.291 | ng | # | 81 |
| 54) 2,4-Dinitrophenol | 14.856 | 184 | 98070 | 153.690 | ng | | 96 |
| 55) Dibenzofuran | 15.150 | 168 | 393749 | 46.129 | ng | | 97 |
| 56) 4-Nitrophenol | 14.962 | 139 | 139409 | 122.608 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 15.109 | 165 | 117514 | 69.449 | ng | | 91 |
| 58) Fluorene | 15.796 | 166 | 337822 | 48.399 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.373 | 232 | 110828 | 57.390 | ng | # | 96 |
| 60) Diethylphthalate | 15.561 | 149 | 382588 | 52.221 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.790 | 204 | 191518 | 52.474 | ng | | 95 |
| 62) 4-Nitroaniline | 15.814 | 138 | 79801 | 56.578 | ng | | 90 |
| 63) Azobenzene | 16.078 | 77 | 362082 | 43.194 | ng | | 89 |
| 65) 4,6-Dinitro-2-methylph... | 15.867 | 198 | 67820 | 63.815 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 16.002 | 169 | 306783 | 43.925 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.683 | 248 | 135048 | 48.260 | ng | | 93 |
| 68) Hexachlorobenzene | 16.807 | 284 | 151547 | 49.967 | ng | | 95 |
| 69) Atrazine | 16.948 | 200 | 138395 | 61.734 | ng | | 99 |
| 70) Pentachlorophenol | 17.147 | 266 | 200416 | 109.953 | ng | | 98 |
| 71) Phenanthrene | 17.541 | 178 | 588044 | 46.632 | ng | | 98 |
| 72) Anthracene | 17.635 | 178 | 599441 | 47.306 | ng | | 97 |
| 73) Carbazole | 17.899 | 167 | 560692 | 46.161 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.458 | 149 | 686301 | 50.377 | ng | | 98 |
| 75) Fluoranthene | 19.550 | 202 | 764657 | 50.285 | ng | | 98 |
| 77) Benzidine | 19.721 | 184 | 369310 | 81.065 | ng | | 98 |
| 78) Pyrene | 19.909 | 202 | 764112 | 46.551 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.790 | 149 | 299182 | 48.310 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.771 | 228 | 770046 | 47.424 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.677 | 252 | 196174 | 37.780 | ng | | 98 |
| 83) Chrysene | 21.836 | 228 | 739060 | 47.472 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.666 | 149 | 428376 | 48.527 | ng | | 95 |
| 85) Di-n-octyl phthalate | 22.917 | 149 | 733978 | 49.024 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.916 | 276 | 947893 | 52.449 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 24.057 | 252 | 824600 | 48.169 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 24.127 | 252 | 795517 | 48.978 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.956 | 252 | 808625 | 51.747 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.992 | 278 | 792282 | 52.454 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 30.115 | 276 | 786858 | 51.662 | ng | | 97 |

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

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