Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041322\
Data File : BG053139.D
Acq On : 13 Apr 2022 15:27
Operator : CG/JU
Sample : N2368-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 14 02:56:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 15:31:24 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E14ST-EB3-041122-5-10MS

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo
04/14/2022
Supervised By :Jagrut Upadhyay
04/14/2022

04/14/2022
Supervised By :Jagrut Upadhyay

04/14/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.123 | 152 | 33109 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.931 | 136 | 135722 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.743 | 164 | 102999 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.486 | 188 | 237250 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.775 | 240 | 233117 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.070 | 264 | 247470 | 20.000 | ng | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.685 | 112 | 219734 | 113.765 | ng | | 0.00 |
| 7) Phenol-d6 | 7.283 | 99 | 328390 | 110.252 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.286 | 82 | 230697 | 69.017 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.229 | 330 | 168977 | 103.118 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.368 | 172 | 497840 | 66.649 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.089 | 244 | 863880 | 62.587 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.564 | 88 | 34457 | 37.356 | ng | # | 86 |
| 3) Pyridine | 3.964 | 79 | 89633 | 36.844 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.875 | 42 | 56149 | 46.608 | ng | | 88 |
| 6) Aniline | 7.441 | 93 | 114836 | 33.267 | ng | | 98 |
| 8) 2-Chlorophenol | 7.688 | 128 | 108470 | 52.019 | ng | | 94 |
| 9) Benzaldehyde | 7.253 | 77 | 84715m | 47.582 | ng | | |
| 10) Phenol | 7.312 | 94 | 148998 | 50.255 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.529 | 93 | 101175 | 47.340 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.011 | 146 | 111664m | 46.084 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.158 | 146 | 112202 | 45.422 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.475 | 146 | 111262 | 46.707 | ng | | 96 |
| 15) Benzyl Alcohol | 8.352 | 79 | 124099 | 46.874 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.645 | 45 | 161372 | 45.226 | ng | | 99 |
| 17) 2-Methylphenol | 8.563 | 107 | 99093 | 49.391 | ng | | 97 |
| 18) Hexachloroethane | 9.209 | 117 | 44216 | 47.733 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.922 | 70 | 97816 | 44.857 | ng | # | 96 |
| 20) 3+4-Methylphenols | 8.886 | 107 | 139835 | 49.373 | ng | | 96 |
| 22) Acetophenone | 8.939 | 105 | 169545 | 45.028 | ng | | 97 |
| 24) Nitrobenzene | 9.327 | 77 | 148284 | 45.608 | ng | | 90 |
| 25) Isophorone | 9.850 | 82 | 264704 | 46.591 | ng | | 98 |
| 26) 2-Nitrophenol | 10.038 | 139 | 62541 | 46.001 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.096 | 122 | 106486 | 54.689 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.326 | 93 | 144416 | 45.245 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.578 | 162 | 118610 | 48.456 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.796 | 180 | 124107 | 44.797 | ng | | 96 |
| 31) Naphthalene | 10.983 | 128 | 325601 | 44.966 | ng | | 99 |
| 32) Benzoic acid | 10.255 | 122 | 69641 | 54.430 | ng | | 97 |
| 33) 4-Chloroaniline | 11.083 | 127 | 55172 | 17.792 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.271 | 225 | 89332 | 43.409 | ng | | 97 |
| 35) Caprolactam | 11.853 | 113 | 40627m | 47.087 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.205 | 107 | 134449 | 47.179 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.581 | 142 | 240788 | 44.940 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.799 | 142 | 231283m | 44.222 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.951 | 216 | 156599 | 44.765 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.928 | 237 | 189019 | 104.671 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.181 | 196 | 111121 | 46.072 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.257 | 196 | 121595 | 47.310 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.580 | 154 | 332959 | 44.889 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.621 | 162 | 258666 | 43.710 | ng | | 94 |
| 48) 2-Nitroaniline | 13.821 | 65 | 101497 | 45.195 | ng | | 91 |
| 49) Acenaphthylene | 14.467 | 152 | 441538 | 47.664 | ng | | 99 |
| 50) Dimethylphthalate | 14.191 | 163 | 358819 | 43.555 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.308 | 165 | 78471 | 45.658 | ng | # | 81 |
| 52) Acenaphthene | 14.808 | 154 | 327530m | 52.137 | ng | | |
| 53) 3-Nitroaniline | 14.637 | 138 | 45023 | 24.775 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.849 | 184 | 106762 | 97.629 | ng | # | 85 |
| 55) Dibenzofuran | 15.143 | 168 | 424658 | 43.171 | ng | | 98 |
| 56) 4-Nitrophenol | 14.955 | 139 | 128979 | 93.058 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 15.096 | 165 | 111948 | 45.752 | ng | # | 82 |
| 58) Fluorene | 15.789 | 166 | 351840 | 44.285 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.366 | 232 | 113629 | 45.525 | ng | | 99 |
| 60) Diethylphthalate | 15.548 | 149 | 371102 | 42.993 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.777 | 204 | 195714 | 43.456 | ng | | 97 |
| 62) 4-Nitroaniline | 15.801 | 138 | 78659 | 41.018 | ng | # | 78 |
| 63) Azobenzene | 16.071 | 77 | 369157 | 42.419 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.865 | 198 | 71167 | 42.995 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.988 | 169 | 313990 | 46.023 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.670 | 248 | 137798 | 45.328 | ng | | 98 |
| 68) Hexachlorobenzene | 16.799 | 284 | 153720 | 46.692 | ng | | 96 |
| 69) Atrazine | 16.934 | 200 | 133561 | 50.116 | ng | | 98 |
| 70) Pentachlorophenol | 17.140 | 266 | 183187 | 101.812 | ng | | 89 |
| 71) Phenanthrene | 17.528 | 178 | 614630 | 47.429 | ng | | 98 |
| 72) Anthracene | 17.622 | 178 | 590794 | 46.018 | ng | | 99 |
| 73) Carbazole | 17.886 | 167 | 538929 | 43.184 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.438 | 149 | 618390 | 43.691 | ng | | 99 |
| 75) Fluoranthene | 19.537 | 202 | 770993 | 46.414 | ng | | 98 |
| 77) Benzidine | 19.707 | 184 | 352762 | 53.037 | ng | | 100 |
| 78) Pyrene | 19.895 | 202 | 762586 | 45.932 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.770 | 149 | 272071 | 43.955 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.751 | 228 | 730735 | 45.846 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.657 | 252 | 140502 | 23.969 | ng | | 98 |
| 83) Chrysene | 21.822 | 228 | 667880 | 45.150 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.646 | 149 | 377428 | 45.111 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.879 | 149 | 635709 | 45.431 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.853 | 276 | 824782 | 44.860 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 24.025 | 252 | 773946 | 49.568 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.095 | 252 | 694653 | 45.267 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.918 | 252 | 726279 | 54.601 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.918 | 278 | 706940 | 46.717 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.040 | 276 | 712212 | 47.752 | ng | | 99 |

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

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