Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055860.D
Acq On : 1 Dec 2022 18:00
Operator : CG/JU
Sample : N5823-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OE-2-113022MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 04:10:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 04:07:17 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.209 | 152 | 40565 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.035 | 136 | 163763 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.837 | 164 | 109958 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.580 | 188 | 243388 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.870 | 240 | 227981 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.254 | 264 | 251727 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.747 | 112 | 279936 | 124.735 | ng | | 0.00 |
| 7) Phenol-d6 | 7.363 | 99 | 357136 | 119.546 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.384 | 82 | 225064 | 72.640 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.323 | 330 | 180630 | 116.660 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.462 | 172 | 546585 | 74.470 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.160 | 244 | 875264 | 76.789 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.562 | 88 | 34625 | 36.102 | ng | | 93 |
| 3) Pyridine | 3.973 | 79 | 100735 | 34.238 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.891 | 42 | 64196 | 41.211 | ng | | 98 |
| 6) Aniline | 7.522 | 93 | 99812 | 26.600 | ng | | 97 |
| 8) 2-Chlorophenol | 7.774 | 128 | 120349 | 46.909 | ng | | 100 |
| 9) Benzaldehyde | 7.334 | 77 | 61682m | 30.402 | ng | | |
| 10) Phenol | 7.392 | 94 | 152609 | 45.623 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.616 | 93 | 108003 | 42.132 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 8.097 | 146 | 134392 | 44.554 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.244 | 146 | 135340 | 44.402 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.567 | 146 | 132049 | 45.209 | ng | | 98 |
| 15) Benzyl Alcohol | 8.444 | 79 | 109293m | 45.015 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.732 | 45 | 193826 | 41.768 | ng | | 99 |
| 17) 2-Methylphenol | 8.656 | 107 | 106746 | 44.949 | ng | | 99 |
| 18) Hexachloroethane | 9.302 | 117 | 48701 | 46.422 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 9.014 | 70 | 90737 | 39.531 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.985 | 107 | 145064 | 43.727 | ng | | 98 |
| 22) Acetophenone | 9.038 | 105 | 182024 | 42.775 | ng | # | 98 |
| 24) Nitrobenzene | 9.425 | 77 | 137852 | 42.595 | ng | | 99 |
| 25) Isophorone | 9.948 | 82 | 253471 | 43.177 | ng | | 99 |
| 26) 2-Nitrophenol | 10.142 | 139 | 70942 | 47.485 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.195 | 122 | 118779m | 52.238 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 10.424 | 93 | 144534 | 45.861 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.683 | 162 | 125129 | 45.977 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.900 | 180 | 141045 | 44.609 | ng | | 98 |
| 31) Naphthalene | 11.088 | 128 | 384664 | 43.451 | ng | | 99 |
| 32) Benzoic acid | 10.348 | 122 | 63254 | 33.813 | ng | | 97 |
| 33) 4-Chloroaniline | 11.194 | 127 | 84706 | 23.195 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.364 | 225 | 95637 | 44.297 | ng | | 97 |
| 35) Caprolactam | 11.975 | 113 | 37436m | 39.750 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.310 | 107 | 130387 | 43.590 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.680 | 142 | 291556 | 43.985 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.898 | 142 | 275379 | 42.795 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 13.045 | 216 | 167245 | 48.400 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 13.015 | 237 | 76326 | 43.826 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.280 | 196 | 108036 | 45.834 | ng | | 97 |

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Operator : CG/JU
Sample : N5823-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OE-2-113022MSD

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Reviewed By :Christian Giraldo 12/02/2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.362 | 196 | 115792 | 44.702 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.673 | 154 | 363414 | 45.354 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.720 | 162 | 277076 | 44.488 | ng | | 98 |
| 48) 2-Nitroaniline | 13.920 | 65 | 88580 | 43.259 | ng | | 96 |
| 49) Acenaphthylene | 14.560 | 152 | 460780 | 44.928 | ng | | 100 |
| 50) Dimethylphthalate | 14.278 | 163 | 353480 | 40.327 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.408 | 165 | 78847 | 43.993 | ng | | 98 |
| 52) Acenaphthene | 14.901 | 154 | 332434m | 49.596 | ng | | |
| 53) 3-Nitroaniline | 14.737 | 138 | 61359 | 31.187 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.954 | 184 | 47259 | 45.861 | ng | | 97 |
| 55) Dibenzofuran | 15.230 | 168 | 478158 | 46.242 | ng | | 98 |
| 56) 4-Nitrophenol | 15.054 | 139 | 122422 | 79.280 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 15.195 | 165 | 109041 | 43.152 | ng | | 97 |
| 58) Fluorene | 15.882 | 166 | 429502 | 52.005 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.459 | 232 | 104322m | 41.564 | ng | | |
| 60) Diethylphthalate | 15.630 | 149 | 348726 | 39.350 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.859 | 204 | 191905 | 42.271 | ng | | 97 |
| 62) 4-Nitroaniline | 15.900 | 138 | 76145 | 37.024 | ng | | 95 |
| 63) Azobenzene | 16.153 | 77 | 324213 | 41.905 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.959 | 198 | 39024 | 28.714 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.076 | 169 | 304764 | 45.436 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.758 | 248 | 124841 | 45.018 | ng | | 96 |
| 68) Hexachlorobenzene | 16.881 | 284 | 137603 | 44.750 | ng | | 98 |
| 69) Atrazine | 17.016 | 200 | 125418 | 47.278 | ng | | 99 |
| 70) Pentachlorophenol | 17.234 | 266 | 146442 | 77.852 | ng | | 100 |
| 71) Phenanthrene | 17.622 | 178 | 1289794 | 98.201 | ng | | 98 |
| 72) Anthracene | 17.710 | 178 | 724042 | 56.737 | ng | | 99 |
| 73) Carbazole | 17.980 | 167 | 588437 | 51.291 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.509 | 149 | 576456 | 40.466 | ng | | 100 |
| 75) Fluoranthene | 19.625 | 202 | 1509945 | 94.497 | ng | | 98 |
| 77) Benzidine | 19.790 | 184 | 238682 | 45.254 | ng | | 100 |
| 78) Pyrene | 19.983 | 202 | 1437355 | 93.144 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.841 | 149 | 256902 | 42.525 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.852 | 228 | 1051935 | 66.992 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.752 | 252 | 163050 | 29.551 | ng | | 97 |
| 83) Chrysene | 21.922 | 228 | 954383 | 63.844 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.711 | 149 | 374048 | 43.083 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.968 | 149 | 636358 | 42.830 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.167 | 276 | 923124 | 44.764 | ng | # | 86 |
| 88) Benzo(b)fluoranthene | 24.179 | 252 | 1078411 | 65.782 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.243 | 252 | 834501 | 51.067 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.095 | 252 | 930575 | 66.148 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.220 | 278 | 652120 | 38.697 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.389 | 276 | 746987 | 43.980 | ng | | 99 |

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

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