Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008149.D
Acq On : 29 Nov 2021 19:20
Operator : CG/JU
Sample : M4819-01MSD 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OR-02-112321MSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021

Quant Time: Nov 30 00:06:03 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 25 01:13:46 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.805 | 152 | 103448 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.605 | 136 | 392534 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.451 | 164 | 256802 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 544159 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.310 | 240 | 543055 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.704 | 264 | 587969 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.399 | 112 | 127129 | 19.787 | ng | | 0.00 |
| 7) Phenol-d6 | 6.987 | 99 | 167197 | 19.277 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.963 | 82 | 113526 | 13.151 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.945 | 330 | 65777 | 20.040 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.069 | 172 | 248762 | 14.071 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.775 | 244 | 385174 | 14.823 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 20316 | 6.778 | ng | | 94 |
| 3) Pyridine | 3.711 | 79 | 45188 | 5.648 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.617 | 42 | 27084 | 8.116 | ng | # | 97 |
| 6) Aniline | 7.134 | 93 | 37403 | 3.679 | ng | | 95 |
| 8) 2-Chlorophenol | 7.369 | 128 | 55821 | 8.487 | ng | | 96 |
| 9) Benzaldehyde | 6.946 | 77 | 35545 | 3.323 | ng | | 92 |
| 10) Phenol | 7.011 | 94 | 79687 | 8.941 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.228 | 93 | 57956 | 8.135 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.693 | 146 | 64066 | 8.439 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.840 | 146 | 64317 | 8.356 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.158 | 146 | 61636 | 8.052 | ng | | 93 |
| 15) Benzyl Alcohol | 8.052 | 79 | 57438 | 8.358 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.340 | 45 | 88931 | 8.273 | ng | | 97 |
| 17) 2-Methylphenol | 8.258 | 107 | 49661 | 8.564 | ng | | 98 |
| 18) Hexachloroethane | 8.881 | 117 | 20105 | 7.025 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.611 | 70 | 47173 | 7.860 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.587 | 107 | 67189 | 8.396 | ng | | 98 |
| 22) Acetophenone | 8.628 | 105 | 88428 | 8.236 | ng | # | 99 |
| 24) Nitrobenzene | 9.005 | 77 | 69756 | 8.333 | ng | | 98 |
| 25) Isophorone | 9.534 | 82 | 121828 | 8.067 | ng | | 97 |
| 26) 2-Nitrophenol | 9.716 | 139 | 23052 | 6.382 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.787 | 122 | 50816 | 9.407 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.016 | 93 | 74825 | 7.774 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.263 | 162 | 55396 | 8.587 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.469 | 180 | 63167 | 8.436 | ng | | 95 |
| 31) Naphthalene | 10.652 | 128 | 175440 | 8.725 | ng | | 98 |
| 32) Benzoic acid | 9.905 | 122 | 31342 | 7.093 | ng | | 94 |
| 33) 4-Chloroaniline | 10.769 | 127 | 29390 | 3.523 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.940 | 225 | 45036 | 8.789 | ng | | 97 |
| 35) Caprolactam | 11.557 | 113 | 16267 | 11.351 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 11.910 | 107 | 63420 | 8.599 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.263 | 142 | 128487 | 9.034 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.487 | 142 | 116403 | 8.409 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.640 | 216 | 73460 | 8.806 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.887 | 196 | 47980 | 8.489 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.963 | 196 | 49665 | 8.201 | ng | | 96 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.281 | 154 | 158790 | 8.522 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.322 | 162 | 127622 | 8.673 | ng | | 98 |
| 48) 2-Nitroaniline | 13.528 | 65 | 42957 | 8.472 | ng | | 99 |
| 49) Acenaphthylene | 14.169 | 152 | 196255 | 8.646 | ng | | 99 |
| 50) Dimethylphthalate | 13.910 | 163 | 153602 | 7.965 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.028 | 165 | 31261 | 7.811 | ng | | 99 |
| 52) Acenaphthene | 14.516 | 154 | 117620 | 8.695 | ng | | 97 |
| 53) 3-Nitroaniline | 14.357 | 138 | 22671 | 5.590 | ng | | 98 |
| 55) Dibenzofuran | 14.851 | 168 | 196983 | 8.521 | ng | | 100 |
| 56) 4-Nitrophenol | 14.693 | 139 | 50029 | 16.093 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.822 | 165 | 41134 | 7.489 | ng | | 96 |
| 58) Fluorene | 15.504 | 166 | 161148 | 8.580 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232 | 43875m | 8.147 | ng | | |
| 60) Diethylphthalate | 15.281 | 149 | 156503 | 8.178 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.498 | 204 | 80800 | 7.843 | ng | | 99 |
| 62) 4-Nitroaniline | 15.522 | 138 | 31773 | 7.549 | ng | | 95 |
| 63) Azobenzene | 15.793 | 77 | 154471 | 7.892 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.710 | 169 | 137627 | 8.731 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.393 | 248 | 50606 | 8.363 | ng | | 95 |
| 68) Hexachlorobenzene | 16.516 | 284 | 56760 | 8.775 | ng | | 94 |
| 69) Atrazine | 16.675 | 200 | 54973 | 13.438 | ng | | 97 |
| 70) Pentachlorophenol | 16.863 | 266 | 61252 | 15.926 | ng | | 97 |
| 71) Phenanthrene | 17.251 | 178 | 300132 | 10.446 | ng | | 99 |
| 72) Anthracene | 17.340 | 178 | 271400 | 9.519 | ng | | 99 |
| 73) Carbazole | 17.616 | 167 | 230915 | 8.296 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.175 | 149 | 279021 | 8.008 | ng | | 99 |
| 75) Fluoranthene | 19.228 | 202 | 377805 | 9.761 | ng | | 99 |
| 77) Benzidine | 19.410 | 184 | 95847 | 12.867 | ng | | 96 |
| 78) Pyrene | 19.581 | 202 | 375996 | 8.918 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.457 | 149 | 126708 | 8.194 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.292 | 228 | 335760 | 9.329 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.228 | 252 | 96035 | 5.663 | ng | | 100 |
| 83) Chrysene | 21.345 | 228 | 322216 | 9.408 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.222 | 149 | 185502 | 7.901 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.145 | 149 | 320179 | 8.028 | ng | # | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 26.198 | 276 | 370258 | 8.656 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 22.975 | 252 | 342899 | 9.674 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.022 | 252 | 314099 | 9.051 | ng | | 100 |
| 90) Benzo(a)pyrene | 23.598 | 252 | 326480 | 10.777 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.216 | 278 | 303785 | 8.551 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.968 | 276 | 312267 | 8.713 | ng | | 98 |

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

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