Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011722\
Data File : BM033757.D
Acq On : 17 Jan 2022 19:49
Operator : CG/JU
Sample : PB142053BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB142053BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/18/2022
Supervised By :Jagrut Upadhyay 01/18/2022

Quant Time: Jan 18 02:37:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 17 16:30:56 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.955 | 152 | 159262 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.772 | 136 | 698430 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.595 | 164 | 466398 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.325 | 188 | 958998 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.495 | 240 | 903231 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.906 | 264 | 889296 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.502 | 112 | 1421980 | 150.028 | ng | | 0.00 |
| 7) Phenol-d6 | 7.119 | 99 | 1844946 | 138.168 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.119 | 82 | 1226930 | 86.450 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.078 | 330 | 821800 | 129.965 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.225 | 172 | 2848790 | 85.931 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.942 | 244 | 4476142 | 82.181 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.337 | 88 | 131995 | 35.641 | ng | # | 92 |
| 3) Pyridine | 3.749 | 79 | 354317 | 33.127 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.655 | 42 | 228235 | 45.495 | ng | # | 72 |
| 6) Aniline | 7.272 | 93 | 703751 | 45.403 | ng | | 95 |
| 8) 2-Chlorophenol | 7.519 | 128 | 566592 | 51.600 | ng | | 87 |
| 9) Benzaldehyde | 7.078 | 77 | 312182 | 45.730 | ng | | 92 |
| 10) Phenol | 7.143 | 94 | 703881 | 52.561 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.372 | 93 | 499604 | 46.386 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.843 | 146 | 554631 | 45.664 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.990 | 146 | 572373 | 45.804 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.307 | 146 | 559884 | 45.946 | ng | | 98 |
| 15) Benzyl Alcohol | 8.196 | 79 | 547254 | 48.467 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.490 | 45 | 703724 | 47.209 | ng | | 96 |
| 17) 2-Methylphenol | 8.402 | 107 | 487882 | 50.151 | ng | | 95 |
| 18) Hexachloroethane | 9.049 | 117 | 216248 | 46.801 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.772 | 70 | 424875 | 44.413 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.731 | 107 | 664788 | 48.908 | ng | | 94 |
| 22) Acetophenone | 8.784 | 105 | 856188 | 46.430 | ng | # | 92 |
| 24) Nitrobenzene | 9.160 | 77 | 634194 | 47.490 | ng | | 92 |
| 25) Isophorone | 9.696 | 82 | 1138842 | 45.563 | ng | | 97 |
| 26) 2-Nitrophenol | 9.878 | 139 | 305851 | 47.413 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 9.943 | 122 | 550037 | 55.842 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.178 | 93 | 705868 | 44.323 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.419 | 162 | 559638 | 49.692 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.631 | 180 | 550126 | 45.145 | ng | | 98 |
| 31) Naphthalene | 10.819 | 128 | 1728553 | 45.848 | ng | | 99 |
| 32) Benzoic acid | 10.096 | 122 | 390114 | 49.353 | ng | | 89 |
| 33) 4-Chloroaniline | 10.925 | 127 | 308313 | 19.652 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.113 | 225 | 353459 | 44.263 | ng | | 96 |
| 35) Caprolactam | 11.719 | 113 | 181962m | 45.371 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.054 | 107 | 665000 | 47.941 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.431 | 142 | 1276467 | 47.260 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.648 | 142 | 1182329 | 44.844 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.795 | 216 | 639919 | 47.415 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.784 | 237 | 937332 | 112.842 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.031 | 196 | 454626 | 47.177 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.101 | 196 | 494204 | 47.623 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.431 | 154 | 1681907 | 47.649 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.472 | 162 | 1248736 | 46.362 | ng | | 98 |
| 48) 2-Nitroaniline | 13.672 | 65 | 425441 | 48.296 | ng | # | 83 |
| 49) Acenaphthylene | 14.319 | 152 | 2049399 | 47.222 | ng | | 99 |
| 50) Dimethylphthalate | 14.054 | 163 | 1689059 | 45.964 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.166 | 165 | 363250 | 48.988 | ng | | 86 |
| 52) Acenaphthene | 14.660 | 154 | 1500759m | 51.730 | ng | | |
| 53) 3-Nitroaniline | 14.489 | 138 | 214384 | 26.437 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 14.695 | 184 | 408240 | 90.953 | ng | | 88 |
| 55) Dibenzofuran | 14.989 | 168 | 1944891 | 44.864 | ng | | 97 |
| 56) 4-Nitrophenol | 14.801 | 139 | 656908 | 98.719 | ng | # | 86 |
| 57) 2,4-Dinitrotoluene | 14.948 | 165 | 514329 | 49.854 | ng | | 85 |
| 58) Fluorene | 15.636 | 166 | 1569158 | 45.924 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.213 | 232 | 430865 | 45.528 | ng | | 99 |
| 60) Diethylphthalate | 15.413 | 149 | 1764711 | 45.801 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.631 | 204 | 799225 | 44.741 | ng | | 97 |
| 62) 4-Nitroaniline | 15.648 | 138 | 376961 | 44.262 | ng | | 90 |
| 63) Azobenzene | 15.919 | 77 | 1631102 | 46.043 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.707 | 198 | 267761 | 42.629 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 15.842 | 169 | 1404950 | 47.073 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.519 | 248 | 496072 | 45.528 | ng | | 95 |
| 68) Hexachlorobenzene | 16.642 | 284 | 556783 | 46.810 | ng | | 96 |
| 69) Atrazine | 16.789 | 200 | 536526 | 47.989 | ng | | 99 |
| 70) Pentachlorophenol | 16.983 | 266 | 753896 | 98.616 | ng | | 99 |
| 71) Phenanthrene | 17.372 | 178 | 2515147 | 47.112 | ng | | 99 |
| 72) Anthracene | 17.460 | 178 | 2574143 | 49.026 | ng | | 98 |
| 73) Carbazole | 17.724 | 167 | 2322007 | 45.312 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.295 | 149 | 3061373 | 47.399 | ng | | 100 |
| 75) Fluoranthene | 19.377 | 202 | 2877086 | 48.129 | ng | | 99 |
| 77) Benzidine | 19.554 | 184 | 1390526 | 60.679 | ng | | 99 |
| 78) Pyrene | 19.736 | 202 | 2943322 | 44.108 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.630 | 149 | 1370983 | 44.623 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.477 | 228 | 2755686 | 46.096 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.407 | 252 | 667046 | 31.203 | ng | | 99 |
| 83) Chrysene | 21.530 | 228 | 2682388 | 46.975 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.407 | 149 | 2049711 | 46.170 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.336 | 149 | 3558180 | 49.879 | ng | # | 91 |
| 87) Indeno(1,2,3-cd)pyrene | 26.436 | 276 | 2729145 | 46.160 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.171 | 252 | 2807150 | 49.448 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.218 | 252 | 2688260 | 47.283 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.801 | 252 | 2633898 | 56.758 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.447 | 278 | 2377085 | 47.595 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 27.206 | 276 | 2223883 | 46.793 | ng | | 98 |

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

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