Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010522\
Data File : BM033652.D
Acq On : 05 Jan 2022 20:40
Operator : CG/JU
Sample : N1018-08MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
FM-E3-02-4.5MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

Quant Time: Jan 06 00:40:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 17:07:26 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.984 | 152 | 184535 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.801 | 136 | 822998 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.624 | 164 | 555505 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.359 | 188 | 1173483 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.524 | 240 | 1089932 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.953 | 264 | 1127151 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.525 | 112 | 1274673 | 108.941 | ng | | 0.00 |
| 7) Phenol-d6 | 7.142 | 99 | 1789293 | 113.464 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.148 | 82 | 1240098 | 69.588 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.107 | 330 | 586386 | 101.065 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.254 | 172 | 2719169 | 64.113 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.971 | 244 | 4049570 | 66.878 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.360 | 88 | 189800 | 36.192 | ng | | 95 |
| 3) Pyridine | 3.766 | 79 | 453944 | 33.429 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.672 | 42 | 294774 | 43.449 | ng | # | 74 |
| 6) Aniline | 7.301 | 93 | 593345 | 33.216 | ng | | 96 |
| 8) 2-Chlorophenol | 7.548 | 128 | 655979 | 51.269 | ng | | 88 |
| 9) Benzaldehyde | 7.107 | 77 | 393371 | 41.106 | ng | | 90 |
| 10) Phenol | 7.166 | 94 | 841108 | 53.051 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.401 | 93 | 576939 | 46.129 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.872 | 146 | 639886 | 44.746 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.019 | 146 | 655845 | 44.845 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.342 | 146 | 631159 | 44.627 | ng | | 99 |
| 15) Benzyl Alcohol | 8.225 | 79 | 656874 | 51.027 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.525 | 45 | 852470 | 45.197 | ng | | 98 |
| 17) 2-Methylphenol | 8.431 | 107 | 574301 | 52.473 | ng | | 96 |
| 18) Hexachloroethane | 9.078 | 117 | 252933 | 45.643 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.801 | 70 | 504793 | 48.994 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.760 | 107 | 788368 | 52.727 | ng | | 96 |
| 22) Acetophenone | 8.813 | 105 | 981261 | 44.456 | ng | # | 94 |
| 24) Nitrobenzene | 9.195 | 77 | 748421 | 44.165 | ng | | 93 |
| 25) Isophorone | 9.725 | 82 | 1353416 | 46.886 | ng | | 98 |
| 26) 2-Nitrophenol | 9.907 | 139 | 343495 | 48.108 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 9.972 | 122 | 654242 | 54.887 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.207 | 93 | 829612 | 43.596 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.448 | 162 | 650351 | 49.833 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.666 | 180 | 617292 | 42.348 | ng | | 98 |
| 31) Naphthalene | 10.854 | 128 | 1978783 | 43.869 | ng | | 99 |
| 32) Benzoic acid | 10.125 | 122 | 448313 | 53.451 | ng | | 88 |
| 33) 4-Chloroaniline | 10.954 | 127 | 157191 | 8.832 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.148 | 225 | 394264 | 41.410 | ng | | 99 |
| 35) Caprolactam | 11.742 | 113 | 209953m | 58.004 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.083 | 107 | 791094 | 52.184 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.460 | 142 | 1468265 | 48.171 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.677 | 142 | 1367618 | 46.165 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.830 | 216 | 731036 | 41.628 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.819 | 237 | 975608 | 88.314 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.060 | 196 | 513391 | 44.814 | ng | | 99 |

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Sample : N1018-08MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
FM-E3-02-4.5MSD

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Reviewed By :Christian Giraldo 01/06/2022
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Quant Time: Jan 06 00:40:34 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 17:07:26 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.130 | 196 | 558137 | 46.050 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.466 | 154 | 1938906 | 42.731 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.507 | 162 | 1431419 | 42.011 | ng | | 98 |
| 48) 2-Nitroaniline | 13.695 | 65 | 512094 | 47.912 | ng | | 90 |
| 49) Acenaphthylene | 14.348 | 152 | 2384258 | 44.840 | ng | | 99 |
| 50) Dimethylphthalate | 14.083 | 163 | 1941709 | 45.026 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.195 | 165 | 416704 | 49.895 | ng | | 93 |
| 52) Acenaphthene | 14.689 | 154 | 1706453m | 49.337 | ng | | |
| 53) 3-Nitroaniline | 14.518 | 138 | 191637 | 21.501 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.724 | 184 | 425913 | 110.493 | ng | | 88 |
| 55) Dibenzofuran | 15.024 | 168 | 2244546 | 43.292 | ng | | 96 |
| 56) 4-Nitrophenol | 14.824 | 139 | 765032 | 108.303 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 14.977 | 165 | 592326 | 55.543 | ng | | 88 |
| 58) Fluorene | 15.665 | 166 | 1809187 | 45.553 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.242 | 232 | 496884 | 48.552 | ng | | 98 |
| 60) Diethylphthalate | 15.442 | 149 | 2061788 | 46.410 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.660 | 204 | 913735 | 44.588 | ng | | 94 |
| 62) 4-Nitroaniline | 15.677 | 138 | 437773 | 50.426 | ng | | 94 |
| 63) Azobenzene | 15.954 | 77 | 1966581 | 44.776 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.736 | 198 | 289577 | 44.944 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.871 | 169 | 1633214 | 41.183 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.554 | 248 | 547245 | 42.160 | ng | | 96 |
| 68) Hexachlorobenzene | 16.671 | 284 | 630593 | 42.658 | ng | | 98 |
| 69) Atrazine | 16.824 | 200 | 620708 | 45.624 | ng | | 99 |
| 70) Pentachlorophenol | 17.012 | 266 | 849557 | 94.503 | ng | | 98 |
| 71) Phenanthrene | 17.401 | 178 | 2904202 | 43.250 | ng | | 98 |
| 72) Anthracene | 17.495 | 178 | 2962130 | 44.971 | ng | | 98 |
| 73) Carbazole | 17.759 | 167 | 2729929 | 43.963 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.330 | 149 | 3566005 | 44.489 | ng | | 100 |
| 75) Fluoranthene | 19.406 | 202 | 3337448 | 47.344 | ng | | 99 |
| 77) Benzidine | 19.583 | 184 | 1501232 | 45.892 | ng | | 99 |
| 78) Pyrene | 19.771 | 202 | 3408838 | 44.422 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.665 | 149 | 1605989 | 46.856 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.506 | 228 | 3207034 | 43.392 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.436 | 252 | 608976 | 23.227 | ng | | 99 |
| 83) Chrysene | 21.559 | 228 | 3117749 | 44.081 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.442 | 149 | 2376269 | 45.513 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.377 | 149 | 4148443 | 48.860 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 26.506 | 276 | 3465720 | 41.696 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.218 | 252 | 3433620 | 47.780 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.265 | 252 | 3132844 | 44.981 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.847 | 252 | 3204870 | 53.735 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.524 | 278 | 2957998 | 42.845 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 27.288 | 276 | 2813760 | 41.454 | ng | | 98 |

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

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