Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
Data File : BP011747.D
Acq On : 19 Sep 2022 22:09
Operator : CG/JU
Sample : N4697-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-23-COMPMS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022

Quant Time: Sep 20 04:50:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 04:42:52 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.940 | 152 | 475350 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.751 | 136 | 2129435 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.575 | 164 | 1342599 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.328 | 188 | 2725417 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.410 | 240 | 2602558 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.857 | 264 | 2513813 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.499 | 112 | 4271589 | 163.567 | ng | | 0.00 |
| 7) Phenol-d6 | 7.105 | 99 | 5822021 | 167.243 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.104 | 82 | 3118197 | 86.845 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.069 | 330 | 1740413 | 165.908 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.204 | 172 | 6916349 | 80.076 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.880 | 244 | 9165341 | 76.581 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.375 | 88 | 462485 | 40.213 | ng | # | 83 |
| 3) Pyridine | 3.781 | 79 | 1269069 | 38.275 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.687 | 42 | 576442 | 45.350 | ng | # | 43 |
| 6) Aniline | 7.263 | 93 | 1412749 | 32.944 | ng | | 89 |
| 8) 2-Chlorophenol | 7.499 | 128 | 1673911 | 54.056 | ng | | 91 |
| 9) Benzaldehyde | 7.075 | 77 | 950843m | 42.672 | ng | | |
| 10) Phenol | 7.128 | 94 | 2183028 | 55.754 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 7.357 | 93 | 1511733 | 48.467 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 7.822 | 146 | 1583892 | 46.123 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 7.975 | 146 | 1614147 | 46.219 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.293 | 146 | 1558119 | 46.801 | ng | | 97 |
| 15) Benzyl Alcohol | 8.181 | 79 | 1397898m | 56.249 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 1989587 | 47.755 | ng | | 92 |
| 17) 2-Methylphenol | 8.381 | 107 | 1433444 | 56.385 | ng | # | 91 |
| 18) Hexachloroethane | 9.022 | 117 | 571970 | 47.351 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.752 | 70 | 1163447 | 51.618 | ng | # | 82 |
| 20) 3+4-Methylphenols | 8.710 | 107 | 1964910 | 56.278 | ng | | 92 |
| 22) Acetophenone | 8.769 | 105 | 2346629 | 47.009 | ng | # | 86 |
| 24) Nitrobenzene | 9.146 | 77 | 1684433 | 45.090 | ng | # | 89 |
| 25) Isophorone | 9.681 | 82 | 3288129 | 51.769 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.857 | 139 | 796990 | 46.553 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 9.922 | 122 | 1611153 | 60.673 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 10.157 | 93 | 2125525 | 52.333 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.393 | 162 | 1573237 | 53.482 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.610 | 180 | 1411924 | 43.355 | ng | | 98 |
| 31) Naphthalene | 10.798 | 128 | 4823646 | 43.651 | ng | | 99 |
| 32) Benzoic acid | 10.046 | 122 | 723100 | 34.567 | ng | | 87 |
| 33) 4-Chloroaniline | 10.910 | 127 | 707292 | 16.314 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.087 | 225 | 769209 | 42.876 | ng | | 98 |
| 35) Caprolactam | 11.716 | 113 | 561106 | 58.868 | ng | # | 73 |
| 36) 4-Chloro-3-methylphenol | 12.034 | 107 | 1765841 | 55.818 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.404 | 142 | 3456796 | 46.743 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.622 | 142 | 3323139 | 45.961 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216 | 1601178 | 45.187 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.751 | 237 | 1797014 | 101.600 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.010 | 196 | 1190061 | 49.373 | ng | | 98 |

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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 | 13.081 | 196 | 1319169 | 48.950 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.416 | 154 | 4488808 | 45.958 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.457 | 162 | 3374586 | 43.913 | ng | | 99 |
| 48) 2-Nitroaniline | 13.657 | 65 | 1078324 | 50.036 | ng | # | 82 |
| 49) Acenaphthylene | 14.298 | 152 | 5494012 | 46.204 | ng | | 98 |
| 50) Dimethylphthalate | 14.039 | 163 | 4330381 | 46.233 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.151 | 165 | 948867 | 49.958 | ng | # | 87 |
| 52) Acenaphthene | 14.639 | 154 | 3781344m | 47.808 | ng | | |
| 53) 3-Nitroaniline | 14.481 | 138 | 573850 | 25.042 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.686 | 184 | 814901 | 74.741 | ng | # | 84 |
| 55) Dibenzofuran | 14.975 | 168 | 5138982 | 45.118 | ng | | 98 |
| 56) 4-Nitrophenol | 14.792 | 139 | 1954788 | 105.922 | ng | # | 70 |
| 57) 2,4-Dinitrotoluene | 14.939 | 165 | 1318678 | 47.810 | ng | # | 83 |
| 58) Fluorene | 15.628 | 166 | 4183750 | 45.287 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 1055391 | 47.669 | ng | | 95 |
| 60) Diethylphthalate | 15.404 | 149 | 4383431 | 47.007 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.622 | 204 | 1997956 | 46.785 | ng | | 96 |
| 62) 4-Nitroaniline | 15.651 | 138 | 1111918 | 45.319 | ng | # | 77 |
| 63) Azobenzene | 15.916 | 77 | 4171237 | 46.548 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 198 | 570993 | 39.974 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 15.833 | 169 | 3703178 | 45.667 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.516 | 248 | 1186792 | 46.517 | ng | | 99 |
| 68) Hexachlorobenzene | 16.628 | 284 | 1250684 | 45.517 | ng | | 96 |
| 69) Atrazine | 16.792 | 200 | 1331167 | 53.778 | ng | | 97 |
| 70) Pentachlorophenol | 16.975 | 266 | 1698428 | 97.434 | ng | | 99 |
| 71) Phenanthrene | 17.375 | 178 | 6483159 | 43.717 | ng | | 97 |
| 72) Anthracene | 17.463 | 178 | 6621883 | 47.212 | ng | | 98 |
| 73) Carbazole | 17.733 | 167 | 6401507 | 48.379 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.280 | 149 | 7732026 | 48.481 | ng | | 98 |
| 75) Fluoranthene | 19.333 | 202 | 7437505 | 46.502 | ng | | 96 |
| 77) Benzidine | 19.510 | 184 | 4844340 | 78.269 | ng | | 98 |
| 78) Pyrene | 19.686 | 202 | 7678707 | 43.745 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 3674619 | 49.956 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.392 | 228 | 7459551 | 44.469 | ng | | 95 |
| 82) 3,3'-Dichlorobenzidine | 21.321 | 252 | 1449975 | 28.460 | ng | # | 99 |
| 83) Chrysene | 21.445 | 228 | 6900093 | 43.052 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.310 | 149 | 5320397 | 50.279 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.251 | 149 | 9060696 | 49.898 | ng | # | 91 |
| 87) Indeno(1,2,3-cd)pyrene | 26.421 | 276 | 6791605 | 37.501 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.110 | 252 | 7529806 | 48.431 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.157 | 252 | 7274628 | 46.431 | ng | # | 95 |
| 90) Benzo(a)pyrene | 23.751 | 252 | 6446867 | 50.194 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 26.439 | 278 | 5958612 | 39.623 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 27.209 | 276 | 5440478 | 37.108 | ng | # | 92 |

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

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