Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032522\
Data File : BP009555.D
Acq On : 25 Mar 2022 16:44
Operator : CG/JU
Sample : N2091-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MHBMSD

Quant Time: Mar 26 03:00:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 06:34:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 235893 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.557 | 136 | 910665 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 554670 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.175 | 188 | 1119708 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.292 | 240 | 1157982 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.686 | 264 | 1322011 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 1681339 | 124.442 | ng | | 0.00 |
| 7) Phenol-d6 | 6.957 | 99 | 2148031 | 117.561 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 1306945 | 76.265 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.916 | 330 | 878225 | 95.949 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.034 | 172 | 2893009 | 72.305 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.757 | 244 | 4063199 | 62.980 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 252473 | 47.178 | ng | | 98 |
| 3) Pyridine | 3.699 | 79 | 714912 | 49.602 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 292320 | 55.070 | ng | | 99 |
| 6) Aniline | 7.099 | 93 | 980038 | 47.061 | ng | | 98 |
| 8) 2-Chlorophenol | 7.340 | 128 | 798313 | 51.816 | ng | | 98 |
| 9) Benzaldehyde | 6.916 | 77 | 397180 | 46.839 | ng | | 97 |
| 10) Phenol | 6.987 | 94 | 999943 | 54.550 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 749358 | 51.654 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.657 | 146 | 866170 | 49.812 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.804 | 146 | 888066 | 49.951 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.116 | 146 | 844071 | 49.120 | ng | | 99 |
| 15) Benzyl Alcohol | 8.016 | 79 | 667336 | 45.809 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 844230 | 53.684 | ng | | 97 |
| 17) 2-Methylphenol | 8.228 | 107 | 642091 | 50.830 | ng | | 99 |
| 18) Hexachloroethane | 8.840 | 117 | 308804 | 49.562 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.581 | 70 | 564020 | 48.804 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.557 | 107 | 872235 | 50.217 | ng | | 99 |
| 22) Acetophenone | 8.593 | 105 | 1119109 | 49.651 | ng | # | 98 |
| 24) Nitrobenzene | 8.969 | 77 | 840537 | 51.922 | ng | | 98 |
| 25) Isophorone | 9.498 | 82 | 1547147 | 52.928 | ng | | 98 |
| 26) 2-Nitrophenol | 9.681 | 139 | 415967 | 49.296 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 695882 | 58.444 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.981 | 93 | 949852 | 49.906 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 742325 | 51.111 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.428 | 180 | 803893 | 47.774 | ng | | 99 |
| 31) Naphthalene | 10.610 | 128 | 2344894 | 49.989 | ng | | 100 |
| 32) Benzoic acid | 9.934 | 122 | 445368 | 47.842 | ng | | 94 |
| 33) 4-Chloroaniline | 10.728 | 127 | 668249 | 34.911 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.898 | 225 | 515065 | 45.175 | ng | | 98 |
| 35) Caprolactam | 11.522 | 113 | 222928 | 45.480 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.869 | 107 | 740947 | 47.476 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.228 | 142 | 1611620 | 48.967 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.445 | 142 | 1549891 | 48.340 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216 | 904236 | 49.134 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.581 | 237 | 676138 | 84.001 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.851 | 196 | 592741 | 48.593 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.928 | 196 | 648187 | 48.933 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.245 | 154 | 2084361 | 50.373 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.286 | 162 | 1632084 | 50.098 | ng | | 99 |
| 48) 2-Nitroaniline | 13.492 | 65 | 446140 | 50.281 | ng | | 100 |
| 49) Acenaphthylene | 14.134 | 152 | 2654797 | 52.789 | ng | | 100 |
| 50) Dimethylphthalate | 13.881 | 163 | 1978208 | 47.068 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.992 | 165 | 440939 | 50.073 | ng | | 99 |
| 52) Acenaphthene | 14.481 | 154 | 1490247 | 49.606 | ng | | 100 |
| 53) 3-Nitroaniline | 14.328 | 138 | 359748 | 38.678 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 14.545 | 184 | 506441 | 91.842 | ng | | 98 |
| 55) Dibenzofuran | 14.816 | 168 | 2412194 | 47.795 | ng | | 99 |
| 56) 4-Nitrophenol | 14.663 | 139 | 713108 | 102.854 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.792 | 165 | 593276 | 48.998 | ng | | 98 |
| 58) Fluorene | 15.469 | 166 | 1902168 | 47.922 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.051 | 232 | 548913 | 45.710 | ng | | 94 |
| 60) Diethylphthalate | 15.251 | 149 | 1942920 | 46.189 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1000686 | 45.766 | ng | | 97 |
| 62) 4-Nitroaniline | 15.498 | 138 | 446777 | 45.738 | ng | | 98 |
| 63) Azobenzene | 15.757 | 77 | 1800110 | 49.194 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 198 | 334502 | 46.459 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.680 | 169 | 1676276 | 50.589 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.363 | 248 | 635828 | 46.406 | ng | | 96 |
| 68) Hexachlorobenzene | 16.486 | 284 | 736964 | 46.735 | ng | | 95 |
| 69) Atrazine | 16.645 | 200 | 611699 | 52.506 | ng | | 99 |
| 70) Pentachlorophenol | 16.833 | 266 | 837891 | 99.401 | ng | | 99 |
| 71) Phenanthrene | 17.222 | 178 | 2998394 | 50.025 | ng | | 100 |
| 72) Anthracene | 17.310 | 178 | 3047327 | 51.494 | ng | | 99 |
| 73) Carbazole | 17.586 | 167 | 2792672 | 48.253 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.151 | 149 | 3275796 | 48.301 | ng | | 100 |
| 75) Fluoranthene | 19.204 | 202 | 3579163 | 49.324 | ng | | 98 |
| 77) Benzidine | 19.386 | 184 | 1708065 | 60.178 | ng | | 99 |
| 78) Pyrene | 19.557 | 202 | 3699311 | 48.480 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.439 | 149 | 1495961 | 46.125 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.280 | 228 | 3807288 | 50.044 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.215 | 252 | 1354349 | 46.082 | ng | # | 98 |
| 83) Chrysene | 21.327 | 228 | 3533788 | 49.053 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.215 | 149 | 2173952 | 48.089 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.133 | 149 | 3864619 | 49.596 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.180 | 276 | 5016597 | 50.017 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 22.957 | 252 | 4146843 | 52.545 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.004 | 252 | 4068142 | 52.648 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.580 | 252 | 4093600 | 60.626 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 26.192 | 278 | 4398243 | 52.616 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.945 | 276 | 4392462 | 53.415 | ng | | 96 |

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

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