Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082522\
Data File : BM036406.D
Acq On : 25 Aug 2022 14:58
Operator : CG/JU
Sample : PB147279BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 26 03:37:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 15:21:00 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB147279BSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.781 | 152 | 303488 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.586 | 136 | 1306223 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.427 | 164 | 722739 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.174 | 188 | 1243942 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.356 | 240 | 885024 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.680 | 264 | 707595 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 1990428 | 106.330 | ng | | 0.00 |
| 7) Phenol-d6 | 6.969 | 99 | 2476080 | 103.954 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.957 | 82 | 2342489 | 100.385 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.921 | 330 | 721496 | 85.095 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.057 | 172 | 4905645 | 100.217 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.804 | 244 | 5299583 | 118.111 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 277657 | 36.810 | ng | | 97 |
| 3) Pyridine | 3.646 | 79 | 749755 | 37.067 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.558 | 42 | 462775 | 55.676 | ng | # | 78 |
| 6) Aniline | 7.116 | 93 | 1334314 | 50.587 | ng | | 97 |
| 8) 2-Chlorophenol | 7.351 | 128 | 1088821 | 54.554 | ng | | 98 |
| 9) Benzaldehyde | 6.934 | 77 | 385184 | 30.546 | ng | | 97 |
| 10) Phenol | 6.998 | 94 | 1354681 | 56.485 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.222 | 93 | 1039112 | 52.596 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.669 | 146 | 1095314 | 49.524 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 1119730 | 49.645 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.134 | 146 | 1082158 | 49.725 | ng | | 100 |
| 15) Benzyl Alcohol | 8.040 | 79 | 879328m | 55.014 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 1481633 | 56.399 | ng | | 99 |
| 17) 2-Methylphenol | 8.245 | 107 | 891097 | 56.129 | ng | | 97 |
| 18) Hexachloroethane | 8.857 | 117 | 425785 | 52.441 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.604 | 70 | 797639 | 55.131 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.575 | 107 | 1188980 | 55.124 | ng | | 98 |
| 22) Acetophenone | 8.622 | 105 | 1575119 | 50.941 | ng | # | 95 |
| 24) Nitrobenzene | 8.998 | 77 | 1189474 | 54.222 | ng | | 99 |
| 25) Isophorone | 9.528 | 82 | 2130947 | 56.135 | ng | | 98 |
| 26) 2-Nitrophenol | 9.704 | 139 | 550260 | 53.181 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.775 | 122 | 983946 | 61.388 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93 | 1372686 | 50.755 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.239 | 162 | 942063 | 52.265 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.445 | 180 | 971339 | 47.553 | ng | | 98 |
| 31) Naphthalene | 10.634 | 128 | 3262311 | 50.234 | ng | | 99 |
| 32) Benzoic acid | 9.957 | 122 | 635686 | 50.032 | ng | | 97 |
| 33) 4-Chloroaniline | 10.763 | 127 | 735812 | 28.114 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.910 | 225 | 557221 | 46.424 | ng | | 99 |
| 35) Caprolactam | 11.581 | 113 | 252055m | 45.399 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.892 | 107 | 969653 | 51.180 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.251 | 142 | 2203476 | 50.988 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.469 | 142 | 2092841 | 49.452 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.616 | 216 | 997623 | 50.914 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.592 | 237 | 1241686 | 119.650 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.869 | 196 | 677696 | 50.828 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.939 | 196 | 717925 | 51.009 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.269 | 154 | 2745106 | 52.118 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.310 | 162 | 2076122 | 51.501 | ng | | 99 |
| 48) 2-Nitroaniline | 13.527 | 65 | 611402 | 55.653 | ng | | 96 |
| 49) Acenaphthylene | 14.151 | 152 | 3439930 | 55.203 | ng | | 100 |
| 50) Dimethylphthalate | 13.904 | 163 | 2349245 | 47.798 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.027 | 165 | 513130 | 52.035 | ng | | 96 |
| 52) Acenaphthene | 14.492 | 154 | 2293907m | 56.274 | ng | | |
| 53) 3-Nitroaniline | 14.357 | 138 | 398389 | 34.627 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.563 | 184 | 559922 | 107.298 | ng | | 97 |
| 55) Dibenzofuran | 14.827 | 168 | 2997710 | 49.109 | ng | | 99 |
| 56) 4-Nitrophenol | 14.674 | 139 | 883674 | 95.978 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.816 | 165 | 671138 | 51.924 | ng | # | 88 |
| 58) Fluorene | 15.480 | 166 | 2384349 | 49.518 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.057 | 232 | 558300 | 46.827 | ng | | 97 |
| 60) Diethylphthalate | 15.263 | 149 | 2371763 | 46.958 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.474 | 204 | 1154753 | 48.094 | ng | | 99 |
| 62) 4-Nitroaniline | 15.521 | 138 | 515204m | 43.528 | ng | | |
| 63) Azobenzene | 15.769 | 77 | 2476697 | 51.581 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.574 | 198 | 326073 | 51.266 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.692 | 169 | 1947174 | 55.450 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.368 | 248 | 648038 | 52.082 | ng | | 97 |
| 68) Hexachlorobenzene | 16.474 | 284 | 746300 | 52.274 | ng | | 96 |
| 69) Atrazine | 16.651 | 200 | 589654 | 60.010 | ng | | 99 |
| 70) Pentachlorophenol | 16.827 | 266 | 874289 | 104.564 | ng | | 99 |
| 71) Phenanthrene | 17.215 | 178 | 3294712 | 51.988 | ng | | 99 |
| 72) Anthracene | 17.310 | 178 | 3304287 | 53.855 | ng | | 99 |
| 73) Carbazole | 17.586 | 167 | 2944547 | 47.365 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.145 | 149 | 3630868 | 48.926 | ng | | 100 |
| 75) Fluoranthene | 19.233 | 202 | 3323762 | 46.853 | ng | | 98 |
| 77) Benzidine | 19.433 | 184 | 948836 | 71.488 | ng | | 99 |
| 78) Pyrene | 19.592 | 202 | 3343277 | 60.920 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.498 | 149 | 1306864 | 55.173 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.345 | 228 | 2779614 | 50.991 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.280 | 252 | 798342 | 60.314 | ng | | 99 |
| 83) Chrysene | 21.392 | 228 | 2596403 | 50.106 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.274 | 149 | 1873417 | 52.426 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.174 | 149 | 2815670 | 48.280 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.091 | 276 | 2329044 | 46.838 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 22.974 | 252 | 2458894 | 59.311 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 23.021 | 252 | 2372882 | 56.670 | ng | # | 98 |
| 90) Benzo(a)pyrene | 23.580 | 252 | 2245886 | 64.567 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 26.103 | 278 | 2080292 | 49.979 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.827 | 276 | 2023289 | 50.211 | ng | | 97 |

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

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