Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
Data File : BM036095.D
Acq On : 04 Aug 2022 12:48
Operator : CG/JU
Sample : PB146679BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 03:38:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 03:36:25 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB146679BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.857 | 152 | 348043 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1463601 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.498 | 164 | 807587 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.239 | 188 | 1442062 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.427 | 240 | 1108692 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.786 | 264 | 1014257 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 2819910 | 131.358 | ng | | 0.00 |
| 7) Phenol-d6 | 7.040 | 99 | 3478741 | 127.353 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.034 | 82 | 2159600 | 82.596 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.992 | 330 | 1182155 | 124.778 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.127 | 172 | 4753908 | 86.913 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.868 | 244 | 5819551 | 103.534 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 234509 | 27.110 | ng | | 93 |
| 3) Pyridine | 3.704 | 79 | 692079 | 29.835 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.610 | 42 | 377654 | 39.619 | ng | # | 65 |
| 6) Aniline | 7.187 | 93 | 1353782 | 44.755 | ng | | 96 |
| 8) 2-Chlorophenol | 7.422 | 128 | 1016996 | 44.432 | ng | | 96 |
| 9) Benzaldehyde | 6.998 | 77 | 481794 | 33.316 | ng | | 96 |
| 10) Phenol | 7.063 | 94 | 1238300 | 45.022 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.293 | 93 | 950530 | 41.953 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.745 | 146 | 1015286 | 40.029 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 1041455 | 40.263 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.210 | 146 | 1013704 | 40.617 | ng | | 99 |
| 15) Benzyl Alcohol | 8.110 | 79 | 808649m | 44.115 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.398 | 45 | 1291323 | 42.862 | ng | | 96 |
| 17) 2-Methylphenol | 8.310 | 107 | 821307 | 45.110 | ng | | 95 |
| 18) Hexachloroethane | 8.939 | 117 | 388882 | 41.764 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.681 | 70 | 718499 | 43.304 | ng | | 89 |
| 20) 3+4-Methylphenols | 8.645 | 107 | 1093498 | 44.207 | ng | | 96 |
| 22) Acetophenone | 8.692 | 105 | 1448233 | 41.801 | ng | # | 93 |
| 24) Nitrobenzene | 9.075 | 77 | 1058227 | 43.052 | ng | | 96 |
| 25) Isophorone | 9.604 | 82 | 1976518 | 46.468 | ng | | 98 |
| 26) 2-Nitrophenol | 9.781 | 139 | 522702 | 45.086 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.845 | 122 | 910125 | 50.677 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.086 | 93 | 1256994 | 41.480 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.316 | 162 | 896200 | 44.374 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 911746 | 39.836 | ng | | 98 |
| 31) Naphthalene | 10.716 | 128 | 3020555 | 41.510 | ng | | 100 |
| 32) Benzoic acid | 10.004 | 122 | 563262 | 39.565 | ng | | 93 |
| 33) 4-Chloroaniline | 10.833 | 127 | 963143 | 32.843 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 537367 | 39.956 | ng | | 99 |
| 35) Caprolactam | 11.639 | 113 | 255722m | 41.107 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.963 | 107 | 909244 | 42.831 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.327 | 142 | 2045537 | 42.243 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.545 | 142 | 1956979 | 41.269 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 973753 | 44.475 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.669 | 237 | 1410185 | 121.610 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.939 | 196 | 675360 | 45.331 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.010 | 196 | 715094 | 45.469 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.339 | 154 | 2606278 | 44.283 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.380 | 162 | 1985258 | 44.073 | ng | 99 |
| 48) 2-Nitroaniline | 13.592 | 65 | 557753 | 45.435 | ng | 90 |
| 49) Acenaphthylene | 14.227 | 152 | 3117558 | 44.773 | ng | 100 |
| 50) Dimethylphthalate | 13.969 | 163 | 2328308 | 42.395 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.086 | 165 | 504440 | 45.779 | ng | 93 |
| 52) Acenaphthene | 14.563 | 154 | 2209229m | 48.503 | ng | |
| 53) 3-Nitroaniline | 14.416 | 138 | 437437 | 34.026 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.621 | 184 | 573282 | 98.316 | ng | 91 |
| 55) Dibenzofuran | 14.898 | 168 | 2870615 | 42.086 | ng | 99 |
| 56) 4-Nitrophenol | 14.727 | 139 | 919240 | 89.351 | ng | 88 |
| 57) 2,4-Dinitrotoluene | 14.874 | 165 | 668520 | 46.287 | ng | 96 |
| 58) Fluorene | 15.545 | 166 | 2288813 | 42.540 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.127 | 232 | 569812 | 42.772 | ng | 97 |
| 60) Diethylphthalate | 15.327 | 149 | 2365639 | 41.916 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.545 | 204 | 1123430 | 41.874 | ng | 96 |
| 62) 4-Nitroaniline | 15.580 | 138 | 533716 | 40.355 | ng | 90 |
| 63) Azobenzene | 15.833 | 77 | 2274019 | 42.384 | ng | 93 |
| 65) 4,6-Dinitro-2-methylph... | 15.627 | 198 | 329565 | 44.696 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.763 | 169 | 1911474 | 46.955 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.433 | 248 | 665736 | 46.154 | ng | 97 |
| 68) Hexachlorobenzene | 16.545 | 284 | 772086 | 46.651 | ng | 92 |
| 69) Atrazine | 16.715 | 200 | 637483 | 55.964 | ng | 98 |
| 70) Pentachlorophenol | 16.892 | 266 | 921243 | 95.043 | ng | 99 |
| 71) Phenanthrene | 17.286 | 178 | 3258557 | 44.354 | ng | 99 |
| 72) Anthracene | 17.374 | 178 | 3328368 | 46.795 | ng | 99 |
| 73) Carbazole | 17.651 | 167 | 2996913 | 41.585 | ng | 99 |
| 74) Di-n-butylphthalate | 18.215 | 149 | 3873406 | 45.024 | ng | 99 |
| 75) Fluoranthene | 19.298 | 202 | 3429017 | 41.696 | ng | 98 |
| 77) Benzidine | 19.492 | 184 | 2102108 | 126.427 | ng | 99 |
| 78) Pyrene | 19.662 | 202 | 3491210 | 50.781 | ng | 99 |
| 80) Butylbenzylphthalate | 20.568 | 149 | 1528476 | 51.511 | ng | 97 |
| 81) Benzo(a)anthracene | 21.409 | 228 | 3113578 | 45.594 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.345 | 252 | 998211 | 60.200 | ng | 99 |
| 83) Chrysene | 21.462 | 228 | 2912642 | 44.869 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.345 | 149 | 2297751 | 51.328 | ng | 97 |
| 85) Di-n-octyl phthalate | 22.256 | 149 | 3562840 | 48.767 | ng | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.244 | 276 | 3139368 | 44.045 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.068 | 252 | 2958475 | 49.785 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.115 | 252 | 2891224 | 48.172 | ng | 98 |
| 90) Benzo(a)pyrene | 23.686 | 252 | 2566471 | 51.475 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 26.262 | 278 | 2800780 | 46.944 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 27.003 | 276 | 2737192 | 47.390 | ng | 99 |

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

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