Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
Data File : BM039146.D
Acq On : 24 Mar 2023 17:51
Operator : CG/JU
Sample : 02047-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
R-PITMSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

Quant Time: Mar 25 01:06:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 24 15:04:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.951 | 152 | 263680 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.763 | 136 | 991761 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.592 | 164 | 502155 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.339 | 188 | 900734 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 691877 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.944 | 264 | 781653 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 1226088 | 70.646 | ng | | 0.00 |
| 7) Phenol-d6 | 7.116 | 99 | 1565100 | 69.427 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.122 | 82 | 962227 | 47.658 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.086 | 330 | 387526 | 66.710 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.222 | 172 | 1822397 | 47.244 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.956 | 244 | 1822571 | 48.163 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.375 | 88 | 312599 | 40.486 | ng | | 100 |
| 3) Pyridine | 3.787 | 79 | 788272 | 36.812 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.693 | 42 | 359618 | 41.270 | ng | | 93 |
| 6) Aniline | 7.275 | 93 | 972846 | 32.867 | ng | | 99 |
| 8) 2-Chlorophenol | 7.516 | 128 | 864656 | 46.796 | ng | | 98 |
| 9) Benzaldehyde | 7.087 | 77 | 583090 | 54.355 | ng | | 97 |
| 10) Phenol | 7.145 | 94 | 1094006 | 45.699 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.375 | 93 | 858640 | 44.116 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.840 | 146 | 947903 | 48.274 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.987 | 146 | 963395 | 48.241 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.304 | 146 | 914264 | 47.527 | ng | | 100 |
| 15) Benzyl Alcohol | 8.198 | 79 | 735540m | 45.522 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.487 | 45 | 1075481 | 43.752 | ng | | 99 |
| 17) 2-Methylphenol | 8.404 | 107 | 697983 | 42.444 | ng | | 99 |
| 18) Hexachloroethane | 9.034 | 117 | 363347 | 49.313 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.769 | 70 | 622429 | 43.836 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.734 | 107 | 928065 | 42.266 | ng | | 99 |
| 22) Acetophenone | 8.781 | 105 | 1269798 | 45.635 | ng | # | 98 |
| 24) Nitrobenzene | 9.163 | 77 | 924573 | 43.568 | ng | | 97 |
| 25) Isophorone | 9.692 | 82 | 1653506 | 44.504 | ng | | 100 |
| 26) 2-Nitrophenol | 9.875 | 139 | 450988 | 48.122 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.939 | 122 | 754386 | 46.599 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.175 | 93 | 1040285 | 43.576 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.416 | 162 | 722191 | 47.053 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.628 | 180 | 791633 | 47.199 | ng | | 99 |
| 31) Naphthalene | 10.816 | 128 | 2492274 | 44.070 | ng | | 100 |
| 32) Benzoic acid | 10.086 | 122 | 547408 | 46.315 | ng | | 97 |
| 33) 4-Chloroaniline | 10.928 | 127 | 258557 | 10.728 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.098 | 225 | 456213 | 47.432 | ng | | 97 |
| 35) Caprolactam | 11.728 | 113 | 214139 | 45.841 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 12.057 | 107 | 724653 | 44.338 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.422 | 142 | 1605887 | 42.367 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.639 | 142 | 1500433 | 42.241 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.792 | 216 | 797535 | 48.854 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.769 | 237 | 1087094 | 121.316 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.033 | 196 | 522666 | 49.442 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.104 | 196 | 549792 | 44.433 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.433 | 154 | 2000820 | 47.032 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.474 | 162 | 1519076 | 47.354 | ng | 99 |
| 48) 2-Nitroaniline | 13.680 | 65 | 450246 | 44.029 | ng | 94 |
| 49) Acenaphthylene | 14.316 | 152 | 2307730 | 45.163 | ng | 99 |
| 50) Dimethylphthalate | 14.057 | 163 | 1688202 | 43.690 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.174 | 165 | 373465 | 43.831 | ng | 97 |
| 52) Acenaphthene | 14.657 | 154 | 1378645 | 43.902 | ng | 98 |
| 53) 3-Nitroaniline | 14.504 | 138 | 239019 | 24.724 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.710 | 184 | 474217 | 95.474 | ng | 91 |
| 55) Dibenzofuran | 14.992 | 168 | 2127334 | 43.291 | ng | 99 |
| 56) 4-Nitrophenol | 14.816 | 139 | 698572 | 91.030 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.963 | 165 | 490784 | 43.829 | ng | 95 |
| 58) Fluorene | 15.645 | 166 | 1639169 | 42.583 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.221 | 232 | 436483 | 45.740 | ng | 97 |
| 60) Diethylphthalate | 15.416 | 149 | 1612316 | 42.884 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.633 | 204 | 799380 | 42.272 | ng | 98 |
| 62) 4-Nitroaniline | 15.668 | 138 | 390988 | 38.800 | ng | 96 |
| 63) Azobenzene | 15.927 | 77 | 1730344 | 43.495 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.721 | 198 | 276250 | 46.810 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.851 | 169 | 1383011 | 45.545 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.527 | 248 | 461332 | 47.419 | ng | 98 |
| 68) Hexachlorobenzene | 16.645 | 284 | 522498 | 48.042 | ng | 98 |
| 69) Atrazine | 16.804 | 200 | 428323 | 51.641 | ng | 99 |
| 70) Pentachlorophenol | 16.992 | 266 | 662489 | 82.819 | ng | 99 |
| 71) Phenanthrene | 17.380 | 178 | 2354623 | 44.541 | ng | 100 |
| 72) Anthracene | 17.474 | 178 | 2360286 | 44.771 | ng | 100 |
| 73) Carbazole | 17.745 | 167 | 2142178 | 44.522 | ng | 100 |
| 74) Di-n-butylphthalate | 18.309 | 149 | 2570491 | 43.959 | ng | 99 |
| 75) Fluoranthene | 19.398 | 202 | 2455998 | 44.001 | ng | 99 |
| 77) Benzidine | 19.586 | 184 | 1216108 | 74.154 | ng | 98 |
| 78) Pyrene | 19.756 | 202 | 2546113 | 48.996 | ng | 100 |
| 80) Butylbenzylphthalate | 20.656 | 149 | 1039661 | 47.117 | ng | 97 |
| 81) Benzo(a)anthracene | 21.503 | 228 | 2262257 | 45.404 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.439 | 252 | 615054 | 40.165 | ng | 99 |
| 83) Chrysene | 21.556 | 228 | 2175911 | 44.902 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 1477010 | 46.324 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.362 | 149 | 2566086 | 48.369 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.480 | 276 | 3133044 | 52.676 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.209 | 252 | 2330784 | 46.674 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.256 | 252 | 2234193 | 42.990 | ng | 100 |
| 90) Benzo(a)pyrene | 23.839 | 252 | 2084182 | 43.366 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 26.497 | 278 | 2609218 | 51.800 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 27.256 | 276 | 2656391 | 53.903 | ng | 99 |

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

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