Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102323\
Data File : BM042402.D
Acq On : 23 Oct 2023 15:07
Operator : MA/JU
Sample : 04844-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OR-603-COMP-06MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 23 15:54:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.998 | 152 | 140782 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.816 | 136 | 549629 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.639 | 164 | 284776 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.392 | 188 | 559384 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.574 | 240 | 554141 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.038 | 264 | 621445 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 804059 | 80.720 | ng | | 0.00 |
| 7) Phenol-d6 | 7.145 | 99 | 1045814 | 78.343 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.192 | 82 | 638366 | 51.359 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.133 | 330 | 242708 | 80.929 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.263 | 172 | 1097098 | 51.878 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.003 | 244 | 1573015 | 50.343 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.393 | 88 | 181286 | 38.649 | ng | | 97 |
| 3) Pyridine | 3.810 | 79 | 456417 | 33.166 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.734 | 42 | 270733 | 38.965 | ng | | 95 |
| 6) Aniline | 7.334 | 93 | 416611 | 24.512 | ng | | 97 |
| 8) 2-Chlorophenol | 7.551 | 128 | 452854 | 45.816 | ng | | 96 |
| 9) Benzaldehyde | 7.151 | 77 | 178211 | 22.921 | ng | | 99 |
| 10) Phenol | 7.175 | 94 | 617951 | 44.800 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.434 | 93 | 478802 | 42.279 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.875 | 146 | 462221 | 45.212 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.034 | 146 | 473224 | 45.984 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.345 | 146 | 450616 | 45.601 | ng | | 99 |
| 15) Benzyl Alcohol | 8.251 | 79 | 431434 | 43.598 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.528 | 45 | 739204m | 41.252 | ng | | |
| 17) 2-Methylphenol | 8.433 | 107 | 384810 | 42.277 | ng | | 96 |
| 18) Hexachloroethane | 9.063 | 117 | 183858 | 46.408 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.810 | 70 | 382619 | 42.289 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.769 | 107 | 515532 | 42.227 | ng | | 97 |
| 22) Acetophenone | 8.845 | 105 | 682043 | 45.486 | ng | # | 98 |
| 24) Nitrobenzene | 9.239 | 77 | 554304 | 44.576 | ng | | 98 |
| 25) Isophorone | 9.745 | 82 | 973263 | 46.076 | ng | | 100 |
| 26) 2-Nitrophenol | 9.939 | 139 | 222088 | 46.494 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.975 | 122 | 362777 | 42.341 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.233 | 93 | 604663 | 45.182 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.457 | 162 | 377408 | 50.651 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.669 | 180 | 390872 | 48.933 | ng | | 98 |
| 31) Naphthalene | 10.869 | 128 | 1295353 | 45.884 | ng | | 100 |
| 32) Benzoic acid | 10.104 | 122 | 300113 | 47.902 | ng | | 97 |
| 33) 4-Chloroaniline | 11.004 | 127 | 203688 | 16.618 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.098 | 225 | 217797 | 50.388 | ng | | 99 |
| 35) Caprolactam | 11.827 | 113 | 126424 | 43.393 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.098 | 107 | 433533 | 48.215 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.469 | 142 | 837830 | 44.086 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.692 | 142 | 810920 | 45.548 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.821 | 216 | 407381 | 49.483 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.768 | 237 | 362740 | 81.190 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.074 | 196 | 273662 | 51.349 | ng | | 98 |

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Sample : 04844-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_M
**ClientSampleId :**
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.139 | 196 | 300138 | 47.641 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.480 | 154 | 1074272 | 47.552 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.527 | 162 | 808575 | 48.785 | ng | 100 |
| 48) 2-Nitroaniline | 13.757 | 65 | 304959 | 42.128 | ng | 98 |
| 49) Acenaphthylene | 14.368 | 152 | 1331148 | 49.748 | ng | 99 |
| 50) Dimethylphthalate | 14.104 | 163 | 949005 | 45.432 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.251 | 165 | 205310 | 43.800 | ng | 92 |
| 52) Acenaphthene | 14.704 | 154 | 752560 | 46.520 | ng | 99 |
| 53) 3-Nitroaniline | 14.586 | 138 | 159591 | 29.860 | ng | 95 |
| 54) 2,4-Dinitrophenol | 14.786 | 184 | 246629 | 83.967 | ng | 97 |
| 55) Dibenzofuran | 15.039 | 168 | 1187521 | 46.411 | ng | 99 |
| 56) 4-Nitrophenol | 14.874 | 139 | 430606 | 101.217 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 15.027 | 165 | 275960 | 44.107 | ng | 95 |
| 58) Fluorene | 15.686 | 166 | 953194 | 47.210 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.257 | 232 | 243046 | 51.353 | ng | 97 |
| 60) Diethylphthalate | 15.451 | 149 | 962651 | 46.700 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.680 | 204 | 455529 | 47.907 | ng | 96 |
| 62) 4-Nitroaniline | 15.751 | 138 | 217006 | 41.037 | ng | 99 |
| 63) Azobenzene | 15.974 | 77 | 1150497 | 46.520 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.774 | 198 | 143534 | 41.163 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.904 | 169 | 806034 | 47.840 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.574 | 248 | 250476 | 48.313 | ng | 99 |
| 68) Hexachlorobenzene | 16.656 | 284 | 290432 | 52.408 | ng | 100 |
| 69) Atrazine | 16.851 | 200 | 270722 | 63.362 | ng | 100 |
| 70) Pentachlorophenol | 17.021 | 266 | 423748 | 90.727 | ng | 99 |
| 71) Phenanthrene | 17.439 | 178 | 1476412 | 48.517 | ng | 99 |
| 72) Anthracene | 17.527 | 178 | 1455575 | 48.297 | ng | 99 |
| 73) Carbazole | 17.815 | 167 | 1381700 | 48.870 | ng | 100 |
| 74) Di-n-butylphthalate | 18.333 | 149 | 1756769 | 49.006 | ng | 100 |
| 75) Fluoranthene | 19.450 | 202 | 1688327 | 50.376 | ng | 98 |
| 77) Benzidine | 19.656 | 184 | 772207 | 96.342 | ng | 99 |
| 78) Pyrene | 19.815 | 202 | 1797467 | 46.419 | ng | 99 |
| 80) Butylbenzylphthalate | 20.692 | 149 | 839370 | 47.831 | ng | 97 |
| 81) Benzo(a)anthracene | 21.556 | 228 | 1779354 | 47.898 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.497 | 252 | 503607 | 45.413 | ng | 99 |
| 83) Chrysene | 21.615 | 228 | 1624356 | 45.526 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 1212872 | 48.562 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.386 | 149 | 2179365 | 50.438 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.632 | 276 | 2146580 | 47.266 | ng | 97 |
| 88) Benzo(b)fluoranthene | 23.280 | 252 | 1819896 | 48.652 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.333 | 252 | 1729583 | 44.536 | ng | 98 |
| 90) Benzo(a)pyrene | 23.932 | 252 | 1589188 | 44.139 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 26.650 | 278 | 1771697 | 46.921 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 27.444 | 276 | 1664420 | 45.389 | ng | 97 |

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

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