Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072321\
Data File : BF124719.D
Acq On : 23 Jul 2021 18:32
Operator : JU/CG
Sample : M3152-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VAULT-BMS

**Manual Integrations APPROVED**
mohammad
7/27/2021 12:04:08 PM

Quant Time: Jul 23 23:28:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 7169 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 28954 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 15882 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 28277 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 15295 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 13415 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 45113 | 106.547 | ng | 0.01 |
| 7) Phenol-d6 | 6.498 | 99 | 54896 | 103.420 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 33548 | 68.961 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 14308 | 104.926 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 74892 | 69.259 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 70342 | 78.834 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 6834 | 46.175 | ng | # 100 |
| 3) Pyridine | 3.487 | 79 | 14963 | 42.707 | ng | 93 |
| 4) n-Nitrosodimethylamine | 3.451 | 42 | 13513 | 48.770 | ng | # 93 |
| 6) Aniline | 6.534 | 93 | 24519 | 44.946 | ng | # 97 |
| 8) 2-Chlorophenol | 6.657 | 128 | 23610 | 49.439 | ng | 95 |
| 9) Benzaldehyde | 6.422 | 77 | 13265 | 46.416 | ng | 95 |
| 10) Phenol | 6.510 | 94 | 25339m | 49.849 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 20592 | 51.092 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 25162 | 48.478 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 25796 | 49.678 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 7.040 | 146 | 24580 | 48.992 | ng | 95 |
| 15) Benzyl Alcohol | 7.010 | 79 | 17485 | 50.092 | ng | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 34510 | 50.873 | ng | 97 |
| 17) 2-Methylphenol | 7.122 | 107 | 18134 | 52.123 | ng | 98 |
| 18) Hexachloroethane | 7.387 | 117 | 10020 | 50.911 | ng | # 86 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 14447 | 50.970 | ng | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 22554 | 49.066 | ng | 91 |
| 22) Acetophenone | 7.281 | 105 | 32625 | 48.624 | ng | 94 |
| 24) Nitrobenzene | 7.457 | 77 | 21827 | 45.764 | ng | 98 |
| 25) Isophorone | 7.698 | 82 | 38613 | 44.889 | ng | 97 |
| 26) 2-Nitrophenol | 7.769 | 139 | 12296 | 46.547 | ng | # 90 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 21564 | 53.051 | ng | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 26125 | 52.263 | ng | 97 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 20017 | 46.498 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 21760 | 46.119 | ng | 94 |
| 31) Naphthalene | 8.175 | 128 | 69811 | 46.201 | ng | 98 |
| 32) Benzoic acid | 7.939 | 122 | 15307 | 48.652 | ng | 97 |
| 33) 4-Chloroaniline | 8.222 | 127 | 13278 | 23.369 | ng | 97 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 12841 | 45.529 | ng | 93 |
| 35) Caprolactam | 8.604 | 113 | 5788m | 51.730 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 20299 | 49.436 | ng | 94 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 47645 | 47.192 | ng | 96 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 43436 | 45.414 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 20821 | 46.986 | ng | 97 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 31112 | 118.670 | ng | 96 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 14998 | 47.677 | ng | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 15644 | 48.433 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 55290 | 46.638 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 44071 | 46.960 | ng | | 97 |
| 48) 2-Nitroaniline | 9.451 | 65 | 12143 | 49.415 | ng | | 96 |
| 49) Acenaphthylene | 9.775 | 152 | 70176 | 48.488 | ng | | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 53027 | 48.489 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 11231 | 46.486 | ng | | 95 |
| 52) Acenaphthene | 9.945 | 154 | 48772m | 50.835 | ng | | |
| 53) 3-Nitroaniline | 9.863 | 138 | 7494 | 29.484 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 13423 | 96.082 | ng | # | 82 |
| 55) Dibenzofuran | 10.122 | 168 | 64417 | 46.987 | ng | | 99 |
| 56) 4-Nitrophenol | 10.028 | 139 | 19607 | 97.685 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 15194 | 46.343 | ng | # | 87 |
| 58) Fluorene | 10.463 | 166 | 49211 | 46.792 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 12344 | 48.391 | ng | # | 95 |
| 60) Diethylphthalate | 10.339 | 149 | 54475 | 47.903 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 23358 | 45.943 | ng | | 96 |
| 62) 4-Nitroaniline | 10.486 | 138 | 11872 | 47.205 | ng | | 88 |
| 63) Azobenzene | 10.616 | 77 | 47530 | 47.244 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 7803 | 42.610 | ng | | 80 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 42488 | 46.367 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 13946 | 46.503 | ng | | 89 |
| 68) Hexachlorobenzene | 11.010 | 284 | 14834 | 47.628 | ng | # | 88 |
| 69) Atrazine | 11.098 | 200 | 13307 | 47.763 | ng | | 94 |
| 70) Pentachlorophenol | 11.198 | 266 | 17683 | 91.303 | ng | | 94 |
| 71) Phenanthrene | 11.427 | 178 | 70453 | 46.324 | ng | | 99 |
| 72) Anthracene | 11.475 | 178 | 73001 | 48.013 | ng | | 99 |
| 73) Carbazole | 11.627 | 167 | 61550 | 43.187 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 87939 | 46.325 | ng | | 98 |
| 75) Fluoranthene | 12.610 | 202 | 67464 | 43.469 | ng | | 98 |
| 77) Benzidine | 12.733 | 184 | 40034 | 92.821 | ng | | 98 |
| 78) Pyrene | 12.839 | 202 | 67462 | 55.714 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 29834 | 51.442 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 47481 | 47.491 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 9096 | 32.783 | ng | | 97 |
| 83) Chrysene | 14.063 | 228 | 46265 | 48.032 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149 | 43005 | 50.342 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 62853 | 45.341 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 42206 | 54.496 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 39452 | 41.770 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 39271 | 45.504 | ng | # | 98 |
| 90) Benzo(a)pyrene | 15.445 | 252 | 37912 | 48.050 | ng | | 94 |
| 91) Dibenzo(a,h)anthracene | 17.004 | 278 | 35246 | 51.985 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.433 | 276 | 35513 | 55.235 | ng | | 93 |

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

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