Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061421\
Data File : BF124309.D
Acq On : 14 Jun 2021 16:39
Operator : JU/CG
Sample : M2626-07MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B12(218-222)MSD

**Manual Integrations APPROVED**
mohammad
6/15/2021 2:39:13 PM

Quant Time: Jun 14 18:19:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 14 12:10:02 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.828 | 152 | 32282 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.116 | 136 | 115250 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.874 | 164 | 67462 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.363 | 188 | 130918 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.015 | 240 | 80956 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 70898 | 20.000 | ng | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 285213 | 132.998 | ng | 0.02 |
| 7) Phenol-d6 | 6.486 | 99 | 316528 | 109.809 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.398 | 82 | 299530 | 103.078 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.674 | 330 | 141588 | 148.140 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.192 | 172 | 558398 | 104.158 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 617320 | 104.693 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.728 | 88 | 37132 | 39.566 | ng | # 77 |
| 3) Pyridine | 3.451 | 79 | 67442 | 28.059 | ng | # 81 |
| 4) n-Nitrosodimethylamine | 3.381 | 42 | 62775 | 43.955 | ng | # 81 |
| 6) Aniline | 6.498 | 93 | 52511 | 15.949 | ng | # 1 |
| 8) 2-Chlorophenol | 6.628 | 128 | 112922 | 47.322 | ng | 93 |
| 9) Benzaldehyde | 6.386 | 77 | 58981 | 46.033 | ng | 92 |
| 10) Phenol | 6.498 | 94 | 121583 | 39.029 | ng | 79 |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 119449 | 52.598 | ng | 89 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 93689m | 33.586 | ng | |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 100047 | 35.755 | ng | 93 |
| 14) 1,2-Dichlorobenzene | 6.998 | 146 | 96281 | 35.969 | ng | 95 |
| 15) Benzyl Alcohol | 6.981 | 79 | 119263 | 45.896 | ng | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104 | 45 | 145081 | 40.952 | ng | # 1 |
| 17) 2-Methylphenol | 7.098 | 107 | 92751 | 47.815 | ng | # 84 |
| 18) Hexachloroethane | 7.339 | 117 | 34453 | 31.267 | ng | # 88 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 95961 | 47.159 | ng | # 85 |
| 20) 3+4-Methylphenols | 7.251 | 107 | 117792 | 45.829 | ng | 93 |
| 22) Acetophenone | 7.245 | 105 | 178389 | 54.296 | ng | # 95 |
| 24) Nitrobenzene | 7.422 | 77 | 139018 | 47.689 | ng | 97 |
| 25) Isophorone | 7.657 | 82 | 238500 | 45.547 | ng | 97 |
| 26) 2-Nitrophenol | 7.733 | 139 | 65530 | 50.323 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.780 | 122 | 106414 | 57.952 | ng | 91 |
| 28) bis(2-Chloroethoxy)met... | 7.863 | 93 | 139143 | 53.599 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.986 | 162 | 105424 | 49.618 | ng | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 99392 | 41.741 | ng | 97 |
| 31) Naphthalene | 8.139 | 128 | 295452 | 42.878 | ng | 99 |
| 32) Benzoic acid | 7.922 | 122 | 49152 | 43.623 | ng | # 80 |
| 33) 4-Chloroaniline | 8.192 | 127 | 10360 | 4.042 | ng | # 90 |
| 34) Hexachlorobutadiene | 8.251 | 225 | 58374 | 34.707 | ng | 96 |
| 35) Caprolactam | 8.580 | 113 | 22478m | 38.509 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.686 | 107 | 113452 | 48.805 | ng | 88 |
| 37) 2-Methylnaphthalene | 8.827 | 142 | 232920 | 48.203 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.927 | 142 | 215579 | 47.742 | ng | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 8.998 | 216 | 122063 | 51.068 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.980 | 237 | 78932 | 62.725 | ng | 92 |
| 43) 2,4,6-Trichlorophenol | 9.116 | 196 | 77040 | 49.420 | ng | 92 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.163 | 196 | 85121 | 50.865 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 294811 | 51.768 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.322 | 162 | 230350 | 49.694 | ng | | 98 |
| 48) 2-Nitroaniline | 9.422 | 65 | 91118 | 54.470 | ng | | 93 |
| 49) Acenaphthylene | 9.739 | 152 | 354865 | 52.667 | ng | | 98 |
| 50) Dimethylphthalate | 9.604 | 163 | 296938 | 53.201 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.663 | 165 | 65349 | 51.064 | ng | | 92 |
| 52) Acenaphthene | 9.910 | 154 | 221588 | 50.352 | ng | | 95 |
| 53) 3-Nitroaniline | 9.833 | 138 | 32154 | 26.845 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.951 | 184 | 72785 | 109.869 | ng | # | 88 |
| 55) Dibenzofuran | 10.080 | 168 | 348954 | 50.663 | ng | | 99 |
| 56) 4-Nitrophenol | 10.021 | 139 | 76198 | 89.018 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 10.074 | 165 | 93902 | 55.636 | ng | # | 89 |
| 58) Fluorene | 10.427 | 166 | 281576 | 53.258 | ng | | 93 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232 | 71861 | 52.990 | ng | | 93 |
| 60) Diethylphthalate | 10.298 | 149 | 300940 | 53.426 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 139209 | 51.496 | ng | | 97 |
| 62) 4-Nitroaniline | 10.457 | 138 | 64651 | 53.683 | ng | # | 78 |
| 63) Azobenzene | 10.574 | 77 | 287894 | 49.031 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198 | 47633 | 45.274 | ng | # | 74 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 239188 | 48.085 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 87854 | 48.891 | ng | | 98 |
| 68) Hexachlorobenzene | 10.980 | 284 | 101370 | 49.806 | ng | # | 93 |
| 69) Atrazine | 11.068 | 200 | 84653 | 60.118 | ng | | 95 |
| 70) Pentachlorophenol | 11.180 | 266 | 75554 | 71.002 | ng | | 94 |
| 71) Phenanthrene | 11.392 | 178 | 412213 | 50.404 | ng | | 99 |
| 72) Anthracene | 11.445 | 178 | 426338 | 51.763 | ng | | 98 |
| 73) Carbazole | 11.604 | 167 | 355075 | 49.471 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 461927 | 50.078 | ng | | 99 |
| 75) Fluoranthene | 12.586 | 202 | 416151 | 48.477 | ng | | 96 |
| 77) Benzidine | 12.704 | 184 | 37053 | 22.038 | ng | | 94 |
| 78) Pyrene | 12.815 | 202 | 425632 | 54.752 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 162241 | 51.447 | ng | # | 93 |
| 81) Benzo(a)anthracene | 14.004 | 228 | 288861 | 48.980 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.962 | 252 | 51483 | 29.756 | ng | # | 99 |
| 83) Chrysene | 14.039 | 228 | 280237 | 49.250 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 217903 | 58.088 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 289319 | 57.790 | ng | # | 91 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 305332 | 51.406 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.062 | 252 | 257263 | 46.712 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 256875 | 49.269 | ng | | 95 |
| 90) Benzo(a)pyrene | 15.433 | 252 | 254852 | 53.276 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.003 | 278 | 259315 | 51.192 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 268183 | 53.491 | ng | | 97 |

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

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