Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
Data File : BF127485.D
Acq On : 23 Mar 2022 17:25
Operator : CG\JU
Sample : N2058-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 24 02:12:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 22 02:16:33 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MHAMSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 88282 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.134 | 136 | 329371 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 190693 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 304968 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 183594 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 171721 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 747967 | 135.239 | ng | | 0.02 |
| 7) Phenol-d6 | 6.493 | 99 | 962530 | 127.318 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 743003 | 96.427 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 265227 | 130.566 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.210 | 172 | 1211383 | 92.762 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 1062225 | 94.714 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.834 | 88 | 124406 | 51.214 | ng | # | 79 |
| 3) Pyridine | 3.552 | 79 | 221196 | 32.263 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.499 | 42 | 204866 | 54.423 | ng | | 98 |
| 6) Aniline | 6.522 | 93 | 85560 | 9.484 | ng | # | 54 |
| 8) 2-Chlorophenol | 6.640 | 128 | 312591 | 55.308 | ng | | 97 |
| 9) Benzaldehyde | 6.410 | 77 | 144641 | 36.812 | ng | | 99 |
| 10) Phenol | 6.504 | 94 | 381112 | 46.290 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 348131 | 57.787 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 326640 | 51.384 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 328743 | 51.412 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 315554 | 50.668 | ng | | 99 |
| 15) Benzyl Alcohol | 6.998 | 79 | 254031 | 46.236 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 576677 | 53.196 | ng | | 82 |
| 17) 2-Methylphenol | 7.110 | 107 | 266042 | 55.776 | ng | | 94 |
| 18) Hexachloroethane | 7.351 | 117 | 126280 | 53.944 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 248035 | 54.734 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.263 | 107 | 314577 | 53.471 | ng | # | 83 |
| 22) Acetophenone | 7.263 | 105 | 434539 | 51.611 | ng | | 96 |
| 24) Nitrobenzene | 7.440 | 77 | 391223 | 53.239 | ng | | 98 |
| 25) Isophorone | 7.675 | 82 | 704555 | 57.410 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 162301 | 52.662 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.787 | 122 | 284595 | 61.389 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 414009 | 51.932 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 275785 | 52.402 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 303418 | 49.475 | ng | | 100 |
| 31) Naphthalene | 8.151 | 128 | 903157 | 51.648 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 147367 | 54.390 | ng | | 92 |
| 33) 4-Chloroaniline | 8.222 | 127 | 30739 | 4.536 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 190616 | 48.947 | ng | | 99 |
| 35) Caprolactam | 8.598 | 113 | 69618m | 42.908 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 296245 | 51.881 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 592138 | 52.662 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 562392 | 50.582 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 304008 | 50.140 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 245149 | 102.529 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 188121 | 51.329 | 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 | 200242 | 53.076 | ng | | 94 |
| 46) | 1,1'-Biphenyl | 9.310 | 154 | 727249 | 50.495 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.339 | 162 | 568514 | 50.127 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.445 | 65 | 203891 | 46.907 | ng | | 96 |
| 49) | Acenaphthylene | 9.751 | 152 | 897938 | 52.371 | ng | | 99 |
| 50) | Dimethylphthalate | 9.616 | 163 | 689006 | 51.937 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.686 | 165 | 145561 | 52.271 | ng | # | 83 |
| 52) | Acenaphthene | 9.922 | 154 | 510175 | 50.998 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.857 | 138 | 21262 | 6.960 | ng | | 97 |
| 54) | 2,4-Dinitrophenol | 9.969 | 184 | 143035 | 99.404 | ng | # | 89 |
| 55) | Dibenzofuran | 10.098 | 168 | 740446 | 51.797 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.034 | 139 | 118686 | 76.338 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 10.092 | 165 | 173838 | 48.499 | ng | | 97 |
| 58) | Fluorene | 10.439 | 166 | 596356 | 51.828 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 165216 | 49.531 | ng | | 97 |
| 60) | Diethylphthalate | 10.310 | 149 | 585966 | 48.360 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.428 | 204 | 320255 | 46.709 | ng | | 99 |
| 62) | 4-Nitroaniline | 10.475 | 138 | 85529 | 29.892 | ng | | 97 |
| 63) | Azobenzene | 10.592 | 77 | 679157 | 47.503 | ng | | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 10.504 | 198 | 95676 | 50.985 | ng | | 89 |
| 66) | n-Nitrosodiphenylamine | 10.551 | 169 | 401653 | 43.266 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.916 | 248 | 192725 | 54.128 | ng | | 93 |
| 68) | Hexachlorobenzene | 10.986 | 284 | 213542 | 54.944 | ng | | 97 |
| 69) | Atrazine | 11.075 | 200 | 93379 | 30.215 | ng | | 96 |
| 70) | Pentachlorophenol | 11.186 | 266 | 171597 | 111.458 | ng | | 98 |
| 71) | Phenanthrene | 11.404 | 178 | 833013 | 52.393 | ng | | 99 |
| 72) | Anthracene | 11.457 | 178 | 822252 | 52.114 | ng | | 99 |
| 73) | Carbazole | 11.616 | 167 | 561512 | 37.214 | ng | | 99 |
| 74) | Di-n-butylphthalate | 11.933 | 149 | 814992 | 52.181 | ng | | 100 |
| 75) | Fluoranthene | 12.598 | 202 | 784249 | 44.846 | ng | | 99 |
| 77) | Benzidine | 12.745 | 184 | 8771 | 2.004 | ng | # | 91 |
| 78) | Pyrene | 12.827 | 202 | 772828 | 49.048 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.433 | 149 | 260737 | 50.279 | ng | | 94 |
| 81) | Benzo(a)anthracene | 14.016 | 228 | 635159 | 51.732 | ng | | 98 |
| 82) | 3,3'-Dichlorobenzidine | 13.980 | 252 | 15860 | 4.395 | ng | | 97 |
| 83) | Chrysene | 14.051 | 228 | 605328 | 52.065 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 343909 | 57.370 | ng | | 98 |
| 85) | Di-n-octyl phthalate | 14.598 | 149 | 591613 | 74.164 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.010 | 276 | 584251 | 50.281 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.074 | 252 | 624729 | 57.699 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 15.104 | 252 | 625242 | 55.704 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.445 | 252 | 604974 | 68.083 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 17.021 | 278 | 533973 | 55.661 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.462 | 276 | 485299 | 48.942 | ng | | 99 |

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

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