Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
Data File : BF139468.D
Acq On : 19 Sep 2024 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 17:41:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 70449 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 249250 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 134416 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 256666 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 130668 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 130863 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 323498 | 74.911 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 422786 | 74.588 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 396430 | 74.771 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 101218 | 70.731 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 693291 | 72.339 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 666185 | 83.683 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.628 | 88 | 68852 | 39.740 | ng | 95 |
| 3) Pyridine | 3.381 | 79 | 165072 | 43.213 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 117209 | 35.400 | ng | 89 |
| 6) Aniline | 6.540 | 93 | 183034 | 42.789 | ng | 96 |
| 8) 2-Chlorophenol | 6.663 | 128 | 168423 | 37.888 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 118960 | 36.325 | ng | 98 |
| 10) Phenol | 6.522 | 94 | 220996 | 38.281 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 158187 | 36.051 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 187826 | 37.153 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 193083 | 37.794 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 180186 | 37.326 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 162414 | 35.914 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 271975 | 40.220 | ng | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 134011 | 37.944 | ng | 97 |
| 18) Hexachloroethane | 7.392 | 117 | 71079 | 36.528 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 122525 | 36.477 | ng | 100 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 175066 | 36.332 | ng | 97 |
| 22) Acetophenone | 7.287 | 105 | 233969 | 35.906 | ng | 99 |
| 24) Nitrobenzene | 7.463 | 77 | 206287 | 37.804 | ng | 98 |
| 25) Isophorone | 7.698 | 82 | 314175 | 37.469 | ng | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 86369 | 40.626 | ng | 93 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 107137m | 38.205 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 185257 | 38.766 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 134412 | 37.729 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 155644 | 37.496 | ng | 99 |
| 31) Naphthalene | 8.181 | 128 | 496623 | 38.166 | ng | 100 |
| 32) Benzoic acid | 7.916 | 122 | 100119m | 38.150 | ng | |
| 33) 4-Chloroaniline | 8.234 | 127 | 150085 | 37.702 | ng | 97 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 100248 | 35.548 | ng | 99 |
| 35) Caprolactam | 8.598 | 113 | 44162 | 40.298 | ng | 95 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 151197 | 37.136 | ng | 96 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 310342 | 37.575 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 301437 | 37.174 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 150411 | 37.757 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 48455 | 34.836 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 97768 | 37.723 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 105325 | 38.526 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 391497 | 37.859 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 292951 | 37.888 | ng | | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 110051 | 38.267 | ng | | 99 |
| 49) Acenaphthylene | 9.775 | 152 | 447342 | 38.435 | ng | | 99 |
| 50) Dimethylphthalate | 9.633 | 163 | 330365 | 37.447 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 76969 | 39.382 | ng | | 95 |
| 52) Acenaphthene | 9.945 | 154 | 302408 | 37.228 | ng | | 99 |
| 53) 3-Nitroaniline | 9.869 | 138 | 82265 | 42.118 | ng | | 88 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 39809 | 36.554 | ng | | 95 |
| 55) Dibenzofuran | 10.122 | 168 | 427160 | 37.728 | ng | | 96 |
| 56) 4-Nitrophenol | 10.022 | 139 | 60541 | 37.459 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 104235 | 39.504 | ng | | 97 |
| 58) Fluorene | 10.463 | 166 | 346147 | 37.471 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 82892 | 36.653 | ng | | 99 |
| 60) Diethylphthalate | 10.333 | 149 | 333754 | 36.659 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 163408 | 36.398 | ng | | 96 |
| 62) 4-Nitroaniline | 10.475 | 138 | 82531 | 38.716 | ng | | 88 |
| 63) Azobenzene | 10.610 | 77 | 334119 | 37.313 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 56312 | 41.570 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 285219 | 38.009 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 95229 | 37.440 | ng | | 96 |
| 68) Hexachlorobenzene | 11.004 | 284 | 109184 | 36.576 | ng | | 99 |
| 69) Atrazine | 11.092 | 200 | 61338 | 34.335 | ng | | 97 |
| 70) Pentachlorophenol | 11.198 | 266 | 66998 | 37.404 | ng | | 97 |
| 71) Phenanthrene | 11.422 | 178 | 469140 | 37.886 | ng | | 99 |
| 72) Anthracene | 11.474 | 178 | 462152 | 38.172 | ng | | 99 |
| 73) Carbazole | 11.627 | 167 | 448869 | 38.736 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 484155 | 37.507 | ng | | 100 |
| 75) Fluoranthene | 12.610 | 202 | 508429 | 38.447 | ng | | 99 |
| 77) Benzidine | 12.733 | 184 | 104748 | 55.952 | ng | | 99 |
| 78) Pyrene | 12.839 | 202 | 514572 | 45.864 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 157826 | 41.327 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 324244 | 37.461 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 94960 | 37.463 | ng | | 99 |
| 83) Chrysene | 14.063 | 228 | 305611 | 38.379 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 181970 | 37.456 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 241988 | 33.822 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.974 | 276 | 332904 | 42.782 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 292286 | 36.215 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 265014 | 35.613 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 250680 | 37.451 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.992 | 278 | 268828 | 41.808 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.421 | 276 | 286406 | 44.986 | ng | | 97 |

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

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