Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092022\
Data File : BP011759.D
Acq On : 20 Sep 2022 12:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 06:44:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 04:42:52 2022
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.934 | 152 | 490516 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.746 | 136 | 2027995 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.575 | 164 | 1162504 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.328 | 188 | 2265078 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.410 | 240 | 2031436 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 23.863 | 264 | 1719345 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 2301039 | 85.387 | ng | | 0.00 |
| 7) Phenol-d6 | 7.093 | 99 | 3149522 | 87.676 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.105 | 82 | 3164557 | 92.545 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.069 | 330 | 707846 | 77.930 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.204 | 172 | 6134809 | 82.031 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.881 | 244 | 7843614 | 83.963 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.376 | 88 | 499257 | 42.068 | ng | # | 85 |
| 3) Pyridine | 3.781 | 79 | 1547873 | 45.241 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.687 | 42 | 600615 | 45.791 | ng | # | 48 |
| 6) Aniline | 7.264 | 93 | 1965362 | 44.414 | ng | | 91 |
| 8) 2-Chlorophenol | 7.499 | 128 | 1350387 | 42.260 | ng | | 94 |
| 9) Benzaldehyde | 7.069 | 77 | 970006 | 42.186 | ng | | 93 |
| 10) Phenol | 7.122 | 94 | 1766669 | 43.725 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.358 | 93 | 1402623 | 43.578 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.822 | 146 | 1441696 | 40.684 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.969 | 146 | 1471365 | 40.828 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.287 | 146 | 1413626 | 41.148 | ng | | 97 |
| 15) Benzyl Alcohol | 8.175 | 79 | 1152439 | 44.939 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 2127809 | 49.494 | ng | | 96 |
| 17) 2-Methylphenol | 8.375 | 107 | 1161767 | 44.286 | ng | # | 92 |
| 18) Hexachloroethane | 9.022 | 117 | 567119 | 45.497 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.752 | 70 | 1096003 | 47.122 | ng | | 88 |
| 20) 3+4-Methylphenols | 8.710 | 107 | 1597796 | 44.349 | ng | | 93 |
| 22) Acetophenone | 8.763 | 105 | 2048347 | 43.086 | ng | # | 90 |
| 24) Nitrobenzene | 9.146 | 77 | 1614147 | 45.369 | ng | | 91 |
| 25) Isophorone | 9.675 | 82 | 2852102 | 47.150 | ng | # | 96 |
| 26) 2-Nitrophenol | 9.857 | 139 | 660622 | 40.980 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 9.916 | 122 | 1079017 | 42.666 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 10.157 | 93 | 1687451 | 43.625 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.393 | 162 | 1171054 | 41.801 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.610 | 180 | 1224647 | 39.485 | ng | | 98 |
| 31) Naphthalene | 10.799 | 128 | 4360583 | 41.434 | ng | | 100 |
| 32) Benzoic acid | 10.063 | 122 | 847024 | 40.991 | ng | | 89 |
| 33) 4-Chloroaniline | 10.910 | 127 | 1788620 | 43.318 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.081 | 225 | 643319 | 37.653 | ng | | 98 |
| 35) Caprolactam | 11.716 | 113 | 424152 | 46.725 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 12.028 | 107 | 1327080 | 44.047 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.404 | 142 | 2944130 | 41.802 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.622 | 142 | 2860610 | 41.543 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216 | 1179856 | 38.455 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.751 | 237 | 614432 | 40.121 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.010 | 196 | 858732 | 41.146 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.081 | 196 | 959993 | 41.140 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.410 | 154 | 3505042 | 41.446 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.451 | 162 | 2747558 | 41.293 | ng | | 99 |
| 48) 2-Nitroaniline | 13.657 | 65 | 984101 | 52.739 | ng | | 90 |
| 49) Acenaphthylene | 14.298 | 152 | 4476187 | 43.476 | ng | | 99 |
| 50) Dimethylphthalate | 14.040 | 163 | 3433424 | 42.336 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.151 | 165 | 732766 | 44.557 | ng | | 95 |
| 52) Acenaphthene | 14.640 | 154 | 2884304m | 42.116 | ng | | |
| 53) 3-Nitroaniline | 14.487 | 138 | 891488 | 43.035 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.687 | 184 | 329037 | 38.366 | ng | | 93 |
| 55) Dibenzofuran | 14.975 | 168 | 4084880 | 41.420 | ng | | 100 |
| 56) 4-Nitrophenol | 14.781 | 139 | 712584 | 44.594 | ng | # | 79 |
| 57) 2,4-Dinitrotoluene | 14.940 | 165 | 995597 | 42.071 | ng | | 92 |
| 58) Fluorene | 15.628 | 166 | 3451177 | 43.144 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 768997m | 40.114 | ng | | |
| 60) Diethylphthalate | 15.404 | 149 | 3590288 | 44.467 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.622 | 204 | 1506200 | 40.734 | ng | | 99 |
| 62) 4-Nitroaniline | 15.651 | 138 | 931121 | 43.919 | ng | # | 82 |
| 63) Azobenzene | 15.910 | 77 | 3802143 | 49.002 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198 | 465497 | 39.324 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.834 | 169 | 2855803 | 42.374 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.516 | 248 | 837487 | 39.497 | ng | | 94 |
| 68) Hexachlorobenzene | 16.634 | 284 | 872302 | 38.198 | ng | # | 92 |
| 69) Atrazine | 16.792 | 200 | 880523 | 42.802 | ng | | 95 |
| 70) Pentachlorophenol | 16.975 | 266 | 568111 | 39.215 | ng | | 99 |
| 71) Phenanthrene | 17.375 | 178 | 5178935 | 42.020 | ng | | 97 |
| 72) Anthracene | 17.463 | 178 | 5062147 | 43.427 | ng | | 98 |
| 73) Carbazole | 17.734 | 167 | 4838457 | 43.998 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.281 | 149 | 6207017 | 46.828 | ng | | 99 |
| 75) Fluoranthene | 19.333 | 202 | 5728533 | 43.096 | ng | | 92 |
| 77) Benzidine | 19.516 | 184 | 1660006 | 34.361 | ng | | 98 |
| 78) Pyrene | 19.686 | 202 | 5931319 | 43.290 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.557 | 149 | 2831523 | 49.316 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.398 | 228 | 5547581 | 42.369 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.327 | 252 | 1663406 | 41.828 | ng | # | 98 |
| 83) Chrysene | 21.451 | 228 | 5231583 | 41.818 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.316 | 149 | 4104615 | 49.695 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 22.257 | 149 | 6564509 | 46.315 | ng | | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.433 | 276 | 4674475 | 37.737 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.116 | 252 | 4789332 | 45.039 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 23.163 | 252 | 4809385 | 44.881 | ng | # | 95 |
| 90) Benzo(a)pyrene | 23.751 | 252 | 3867756 | 44.029 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 26.451 | 278 | 3921879 | 38.130 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 27.215 | 276 | 3599364 | 35.895 | ng | # | 87 |

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

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