Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134028.D
Acq On : 29 Jun 2023 10:18
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 12:47:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 114495 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 400148 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 199802 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 383200 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 185030 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 208680 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 537911 | 78.589 | ng | | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 646133 | 76.760 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 618186 | 83.278 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 202668 | 80.902 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.210 | 172 | 1116700 | 81.259 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 997193 | 86.737 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 107506 | 38.092 | ng | | 98 |
| 3) Pyridine | 3.410 | 79 | 289491 | 39.380 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 170591 | 40.631 | ng | | 92 |
| 6) Aniline | 6.516 | 93 | 403450 | 39.388 | ng | | 97 |
| 8) 2-Chlorophenol | 6.639 | 128 | 268573 | 38.654 | ng | | 95 |
| 9) Benzaldehyde | 6.404 | 77 | 183091 | 39.437 | ng | | 98 |
| 10) Phenol | 6.504 | 94 | 339457 | 38.355 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.592 | 93 | 245983 | 37.751 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 291895 | 39.405 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 288620 | 38.575 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 274152 | 39.125 | ng | | 98 |
| 15) Benzyl Alcohol | 6.992 | 79 | 258151 | 39.782 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128 | 45 | 424939 | 36.863 | ng | | 99 |
| 17) 2-Methylphenol | 7.104 | 107 | 237966 | 38.246 | ng | | 98 |
| 18) Hexachloroethane | 7.357 | 117 | 112692 | 40.621 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 200718 | 37.601 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.257 | 107 | 290684 | 38.510 | ng | | 91 |
| 22) Acetophenone | 7.263 | 105 | 371504 | 40.823 | ng | # | 95 |
| 24) Nitrobenzene | 7.434 | 77 | 312814 | 41.701 | ng | | 94 |
| 25) Isophorone | 7.669 | 82 | 535651 | 39.704 | ng | | 99 |
| 26) 2-Nitrophenol | 7.745 | 139 | 148182 | 41.179 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.786 | 122 | 229635 | 40.314 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 311317 | 39.852 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.986 | 162 | 228421 | 40.440 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 237161 | 40.692 | ng | | 100 |
| 31) Naphthalene | 8.151 | 128 | 778889 | 40.298 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 166924m | 39.108 | ng | | |
| 33) 4-Chloroaniline | 8.204 | 127 | 334092 | 40.408 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 154845 | 42.118 | ng | | 99 |
| 35) Caprolactam | 8.580 | 113 | 70964 | 38.157 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.686 | 107 | 256478 | 40.420 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 537386 | 39.316 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 505595 | 39.790 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 246160 | 41.585 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 101567 | 36.167 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.122 | 196 | 163187 | 40.497 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.163 | 196 | 190163 | 40.119 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 642165 | 40.067 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 467026 | 39.826 | ng | | 96 |
| 48) 2-Nitroaniline | 9.433 | 65 | 176006 | 41.183 | ng | | 98 |
| 49) Acenaphthylene | 9.751 | 152 | 801779 | 40.025 | ng | | 99 |
| 50) Dimethylphthalate | 9.610 | 163 | 575695 | 39.693 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.675 | 165 | 126036 | 40.346 | ng | # | 85 |
| 52) Acenaphthene | 9.922 | 154 | 466053 | 40.095 | ng | | 98 |
| 53) 3-Nitroaniline | 9.845 | 138 | 148405 | 39.600 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.957 | 184 | 58322 | 34.631 | ng | | 96 |
| 55) Dibenzofuran | 10.098 | 168 | 717615 | 39.503 | ng | | 99 |
| 56) 4-Nitrophenol | 10.010 | 139 | 91410 | 34.871 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 163818 | 39.709 | ng | | 100 |
| 58) Fluorene | 10.439 | 166 | 561053 | 39.698 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 147694m | 39.502 | ng | | |
| 60) Diethylphthalate | 10.310 | 149 | 591627 | 39.153 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.433 | 204 | 266988 | 39.200 | ng | | 99 |
| 62) 4-Nitroaniline | 10.463 | 138 | 138519 | 36.676 | ng | | 93 |
| 63) Azobenzene | 10.592 | 77 | 563266 | 39.407 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 84663 | 40.524 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 488195 | 39.874 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.922 | 248 | 165880 | 40.727 | ng | # | 90 |
| 68) Hexachlorobenzene | 10.992 | 284 | 175937 | 40.684 | ng | | 96 |
| 69) Atrazine | 11.080 | 200 | 126769 | 37.432 | ng | | 97 |
| 70) Pentachlorophenol | 11.186 | 266 | 101012 | 39.066 | ng | | 98 |
| 71) Phenanthrene | 11.410 | 178 | 760804 | 39.438 | ng | | 99 |
| 72) Anthracene | 11.463 | 178 | 786912 | 39.219 | ng | | 99 |
| 73) Carbazole | 11.621 | 167 | 688311 | 37.479 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.945 | 149 | 851380 | 38.983 | ng | | 99 |
| 75) Fluoranthene | 12.604 | 202 | 755774 | 36.239 | ng | | 99 |
| 77) Benzidine | 12.727 | 184 | 178122 | 40.458 | ng | | 99 |
| 78) Pyrene | 12.833 | 202 | 736637 | 42.779 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 274353 | 42.482 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 504245 | 39.295 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 161687 | 39.771 | ng | | 98 |
| 83) Chrysene | 14.068 | 228 | 490047 | 39.428 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 344726 | 46.454 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 554138 | 50.820 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.103 | 276 | 605651 | 41.826 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 443595 | 36.151 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 482374 | 38.611 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 469841 | 39.597 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.121 | 278 | 499771 | 42.255 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.580 | 276 | 499280 | 40.935 | ng | | 98 |

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

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