Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100720\
Data File : BP003553.D
Acq On : 07 Oct 2020 15:23
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
10/8/2020 12:29:49 PM

Quant Time: Oct 07 16:36:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 14:33:14 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.487 | 152 | 59731 | 20.00 | ng | | #-0.01 |
| 21) Naphthalene-d8 | 10.263 | 136 | 234112 | 20.00 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 14.145 | 164 | 143167 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 16.910 | 188 | 309524 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.021 | 240 | 343222 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.192 | 264 | 382760 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.105 | 112 | 277741 | 81.19 | ng | | 0.00 |
| 7) Phenol-d6 | 6.699 | 99 | 392536 | 86.09 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.640 | 82 | 365932 | 91.83 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.657 | 330 | 157082 | 71.94 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.763 | 172 | 792629 | 80.97 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.492 | 244 | 1308245 | 79.42 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.993 | 88 | 47243 | 33.61 | ng | | 98 |
| 3) Pyridine | 3.387 | 79 | 128986 | 34.46 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.311 | 42 | 44380 | 39.64 | ng | # | 80 |
| 6) Aniline | 6.822 | 93 | 226486 | 43.26 | ng | | 90 |
| 8) 2-Chlorophenol | 7.063 | 128 | 152868 | 40.12 | ng | | 88 |
| 9) Benzaldehyde | 6.640 | 77 | 100396 | 39.48 | ng | | 83 |
| 10) Phenol | 6.722 | 94 | 187711 | 43.10 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.922 | 93 | 151532 | 43.91 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.381 | 146 | 179334 | 39.37 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.522 | 146 | 181065 | 39.30 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 7.840 | 146 | 173705 | 39.27 | ng | | 95 |
| 15) Benzyl Alcohol | 7.746 | 79 | 135504 | 44.72 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.028 | 45 | 120462 | 48.00 | ng | | 89 |
| 17) 2-Methylphenol | 7.963 | 107 | 130716 | 41.51 | ng | # | 92 |
| 18) Hexachloroethane | 8.552 | 117 | 72835 | 42.42 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 8.299 | 70 | 119258 | 48.82 | ng | # | 93 |
| 20) 3+4-Methylphenols | 8.293 | 107 | 176406 | 42.09 | ng | # | 87 |
| 22) Acetophenone | 8.310 | 105 | 245090 | 42.63 | ng | # | 92 |
| 24) Nitrobenzene | 8.687 | 77 | 185296 | 46.47 | ng | # | 84 |
| 25) Isophorone | 9.204 | 82 | 322478 | 44.16 | ng | # | 90 |
| 26) 2-Nitrophenol | 9.399 | 139 | 85471 | 39.25 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 9.481 | 122 | 123163 | 39.99 | ng | | 88 |
| 28) bis(2-Chloroethoxy)met... | 9.693 | 93 | 211430 | 43.49 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 9.951 | 162 | 142739 | 37.09 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.140 | 180 | 170574 | 37.36 | ng | | 99 |
| 31) Naphthalene | 10.310 | 128 | 492317 | 39.81 | ng | | 99 |
| 32) Benzoic acid | 9.693 | 122 | 31225m | 20.62 | ng | | |
| 33) 4-Chloroaniline | 10.446 | 127 | 209668 | 39.91 | ng | # | 92 |
| 34) Hexachlorobutadiene | 10.604 | 225 | 114137 | 36.62 | ng | | 98 |
| 35) Caprolactam | 11.210 | 113 | 48939 | 38.11 | ng | # | 76 |
| 36) 4-Chloro-3-methylphenol | 11.604 | 107 | 164025 | 39.53 | ng | | 87 |
| 37) 2-Methylnaphthalene | 11.940 | 142 | 346616 | 38.69 | ng | # | 95 |
| 38) 1-Methylnaphthalene | 12.163 | 142 | 328168m | 38.58 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.328 | 216 | 182735 | 38.98 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.304 | 237 | 50608 | 41.47 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.587 | 196 | 110191 | 36.36 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.681 | 196 | 106238 | 34.08 | ng | # | 92 |
| 46) 1,1'-Biphenyl | 12.975 | 154 | 438489 | 41.07 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.016 | 162 | 357261 | 40.40 | ng | | 96 |
| 48) 2-Nitroaniline | 13.234 | 65 | 109728 | 49.03 | ng | # | 68 |
| 49) Acenaphthylene | 13.869 | 152 | 542066 | 40.12 | ng | | 99 |
| 50) Dimethylphthalate | 13.616 | 163 | 453745 | 39.69 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.740 | 165 | 97986 | 39.99 | ng | # | 70 |
| 52) Acenaphthene | 14.210 | 154 | 330519 | 40.20 | ng | | 100 |
| 53) 3-Nitroaniline | 14.075 | 138 | 109000 | 41.05 | ng | # | 73 |
| 54) 2,4-Dinitrophenol | 14.328 | 184 | 43914 | 41.69 | ng | # | 78 |
| 55) Dibenzofuran | 14.551 | 168 | 514409 | 39.20 | ng | | 93 |
| 56) 4-Nitrophenol | 14.451 | 139 | 65961 | 40.64 | ng | # | 62 |
| 57) 2,4-Dinitrotoluene | 14.551 | 165 | 135783 | 39.95 | ng | # | 48 |
| 58) Fluorene | 15.210 | 166 | 416332 | 40.17 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.804 | 232 | 104131m | 35.52 | ng | | |
| 60) Diethylphthalate | 14.992 | 149 | 465522 | 39.92 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.204 | 204 | 221416 | 39.13 | ng | | 95 |
| 62) 4-Nitroaniline | 15.251 | 138 | 109850 | 38.98 | ng | # | 64 |
| 63) Azobenzene | 15.498 | 77 | 427053 | 48.04 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylph... | 15.334 | 198 | 61007 | 37.35 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 15.422 | 169 | 369434 | 40.63 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.098 | 248 | 144789 | 38.70 | ng | | 93 |
| 68) Hexachlorobenzene | 16.228 | 284 | 168973 | 38.02 | ng | | 95 |
| 69) Atrazine | 16.386 | 200 | 137414 | 38.53 | ng | | 99 |
| 70) Pentachlorophenol | 16.586 | 266 | 73329 | 41.95 | ng | | 98 |
| 71) Phenanthrene | 16.951 | 178 | 672451 | 39.93 | ng | | 99 |
| 72) Anthracene | 17.045 | 178 | 668876 | 40.30 | ng | | 99 |
| 73) Carbazole | 17.322 | 167 | 631924 | 40.09 | ng | | 99 |
| 74) Di-n-butylphthalate | 17.886 | 149 | 807568 | 40.07 | ng | # | 98 |
| 75) Fluoranthene | 18.939 | 202 | 829184 | 39.16 | ng | | 99 |
| 77) Benzidine | 19.127 | 184 | 352923 | 33.16 | ng | | 100 |
| 78) Pyrene | 19.292 | 202 | 862387 | 40.29 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.174 | 149 | 398604 | 40.70 | ng | # | 85 |
| 81) Benzo(a)anthracene | 21.004 | 228 | 886378 | 39.95 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 20.939 | 252 | 331530 | 38.66 | ng | | 99 |
| 83) Chrysene | 21.057 | 228 | 863744 | 40.52 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 20.939 | 149 | 563500 | 40.87 | ng | | 98 |
| 85) Di-n-octyl phthalate | 21.786 | 149 | 1026305 | 40.74 | ng | # | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 25.386 | 276 | 1165690 | 40.18 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 22.539 | 252 | 978497 | 40.48 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.580 | 252 | 917089 | 39.59 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.098 | 252 | 917515 | 40.26 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.392 | 278 | 964364 | 40.28 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.057 | 276 | 940102 | 39.33 | ng | | 98 |

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

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