Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120123\
Data File : BP018471.D
Acq On : 01 Dec 2023 11:38
Operator : MA/JU
Sample : SSTD04067
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 15:11:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 01 13:16:56 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD040633

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 375663 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.663 | 136 | 1658335 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.498 | 164 | 1074283 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.245 | 188 | 2260165 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.327 | 240 | 1403124 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.704 | 264 | 1302253 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.275 | 96 | 173043 | 15.697 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.693 | 84 | 1251166 | 42.372 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.034 | 99 | 1591782 | 42.223 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.204 | 67 | 943936 | 42.246 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.399 | 132 | 1198414 | 40.739 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.581 | 113 | 1297188 | 42.518 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.034 | 128 | 612356 | 41.488 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.751 | 143 | 668341 | 43.676 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.287 | 165 | 1282682 | 40.993 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.804 | 131 | 1743561 | 42.638 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.916 | 166 | 3799799 | 39.631 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.192 | 160 | 4259672 | 40.346 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.698 | 143 | 673136 | 42.770 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.486 | 176 | 3171823 | 39.410 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 200 | 587048 | 43.318 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.345 | 188 | 4707948 | 39.622 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.580 | 212 | 4840186 | 44.315 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.551 | 264 | 3122720 | 41.126 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.311 | 88 | 186882 | 15.459 | ng/uL | 97 |
| 5) Pyridine | 3.711 | 79 | 1264797 | 42.416 | ng/ul | 98 |
| 6) Benzaldehyde | 7.004 | 77 | 882123 | 45.321 | ng/ul | 99 |
| 8) Phenol | 7.063 | 94 | 1577068 | 42.658 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.299 | 93 | 1291578 | 42.539 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.428 | 128 | 1197792 | 40.232 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.316 | 108 | 1210920 | 42.783 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.404 | 45 | 1638364 | 42.527 | ng/ul | 99 |
| 16) Acetophenone | 8.698 | 105 | 1924804 | 42.333 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.693 | 70 | 984679 | 39.366 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.651 | 108 | 1315937 | 42.578 | ng/ul | 96 |
| 19) Hexachloroethane | 8.946 | 117 | 494941 | 40.551 | ng/ul | 99 |
| 22) Nitrobenzene | 9.075 | 77 | 1452757 | 40.483 | ng/ul | 98 |
| 23) Isophorone | 9.604 | 82 | 2945281 | 40.254 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.781 | 139 | 695796 | 42.467 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.845 | 107 | 1421503 | 44.361 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.087 | 93 | 1822615 | 39.457 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.316 | 162 | 1215443 | 40.328 | ng/ul | 99 |
| 30) Naphthalene | 10.716 | 128 | 3964239 | 39.406 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.828 | 127 | 1665002 | 42.720 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.004 | 225 | 803381 | 39.801 | ng/ul | 99 |
| 34) Caprolactam | 11.616 | 113 | 389148m | 42.124 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.957 | 107 | 1354730 | 40.124 | ng/ul | 100 |
| 36) 2-Methylnaphthalene | 12.322 | 142 | 2782783 | 39.046 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.545 | 142 | 2785203 | 38.697 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1572343 | 40.341 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.675 | 237 | 995387 | 43.086 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.934 | 196 | 1041430 | 41.535 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.004 | 196 | 1120086 | 41.206 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.334 | 154 | 3657952 | 39.371 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.375 | 162 | 2907880 | 39.627 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.581 | 65 | 839666 | 42.209 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.963 | 163 | 3712583 | 39.336 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.081 | 165 | 767306 | 43.031 | ng/ul | 96 |
| 50) Acenaphthylene | 14.222 | 152 | 4695652 | 39.558 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.404 | 138 | 777246 | 43.665 | ng/ul | 99 |
| 52) Acenaphthene | 14.563 | 153 | 3071829 | 39.139 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.610 | 184 | 397377 | 42.049 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.716 | 109 | 503061 | 42.308 | ng/ul | 98 |
| 56) Dibenzofuran | 14.898 | 168 | 4233936 | 38.814 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.863 | 165 | 1070678 | 42.686 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.122 | 232 | 944521 | 41.424 | ng/ul | 97 |
| 59) Diethylphthalate | 15.328 | 149 | 3664126 | 39.674 | ng/ul | 100 |
| 61) Fluorene | 15.545 | 166 | 3273567 | 37.926 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.539 | 204 | 1747196 | 38.596 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.575 | 138 | 742545 | 44.259 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.622 | 198 | 631107 | 43.558 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.757 | 169 | 2936164 | 39.204 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.439 | 248 | 1157884 | 40.580 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.545 | 284 | 1268444 | 39.816 | ng/ul | 99 |
| 70) Atrazine | 16.716 | 200 | 1022606 | 45.926 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.892 | 266 | 815413 | 43.037 | ng/ul | 99 |
| 72) Phenanthrene | 17.286 | 178 | 5328505 | 39.036 | ng/ul | 99 |
| 74) Anthracene | 17.380 | 178 | 5326821 | 38.931 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216 | 1591997 | 40.736 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.816 | 250 | 1539002 | 40.090 | ng/uL | 98 |
| 77) Carbazole | 17.651 | 167 | 4632437 | 42.480 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.210 | 149 | 5935268 | 40.875 | ng/ul | 100 |
| 80) Fluoranthene | 19.251 | 202 | 5737314 | 44.439 | ng/ul | 100 |
| 82) Pyrene | 19.604 | 202 | 5707109 | 43.819 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.486 | 149 | 2134966 | 44.776 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.251 | 252 | 1433528 | 42.042 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.315 | 228 | 4578831 | 40.204 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149 | 2771560 | 42.291 | ng/ul | 100 |
| 87) Chrysene | 21.368 | 228 | 4188742 | 39.939 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.162 | 149 | 4250913 | 44.708 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.980 | 252 | 3881530 | 40.426 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.027 | 252 | 3789797 | 40.794 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.604 | 252 | 3586756 | 40.883 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.180 | 276 | 4533643 | 43.251 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.203 | 278 | 3761972 | 43.143 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 26.950 | 276 | 3708221 | 43.958 | ng/ul | 99 |

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

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