Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006918.D
Acq On : 10 Sep 2021 02:05
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020688

**Manual Integrations APPROVED**
mohammad
9/10/2021 3:26:11 PM

Quant Time: Sep 10 04:14:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 09 11:07:24 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.940 | 152 | 331194 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.740 | 136 | 1335614 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.563 | 164 | 830063 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.310 | 188 | 1684537 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.392 | 240 | 1666671 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.822 | 264 | 1703573 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.370 | 96 | 65975 | 7.927 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.787 | 84 | 425170 | 19.604 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.093 | 99 | 483065 | 19.845 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.269 | 67 | 282076 | 20.177 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.464 | 132 | 392756 | 19.986 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.634 | 113 | 371374 | 19.428 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.093 | 128 | 170110 | 21.027 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.816 | 143 | 165311 | 20.756 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.352 | 165 | 372784 | 19.850 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.869 | 131 | 510699 | 19.664 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.969 | 166 | 1049457 | 19.521 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.251 | 160 | 1345070 | 19.755 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.746 | 143 | 179227 | 19.189 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.551 | 176 | 918371 | 19.355 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.663 | 200 | 135262 | 18.151 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.410 | 188 | 1395948 | 20.016 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.639 | 212 | 1553146 | 19.898 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.663 | 264 | 1599367 | 19.461 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.405 | 88 | 72031 | 7.778 | ng/uL | 90 |
| 5) Pyridine | 3.805 | 79 | 426396 | 19.599 | ng/ul# | 83 |
| 6) Benzaldehyde | 7.075 | 77 | 315529 | 20.342 | ng/ul | 90 |
| 8) Phenol | 7.117 | 94 | 505817 | 20.102 | ng/ul | 90 |
| 10) Bis(2-Chloroethyl)ether | 7.358 | 93 | 399412 | 19.827 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.499 | 128 | 405035 | 20.090 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.375 | 108 | 374905 | 19.619 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.464 | 45 | 476392 | 20.473 | ng/ul | 95 |
| 16) Acetophenone | 8.758 | 105 | 591012 | 20.161 | ng/ul | 91 |
| 17) N-Nitroso-di-n-propyla... | 8.746 | 70 | 277595 | 20.324 | ng/ul# | 96 |
| 18) 4-Methylphenol | 8.699 | 108 | 401575 | 19.594 | ng/ul | 96 |
| 19) Hexachloroethane | 9.022 | 117 | 161801 | 19.708 | ng/ul# | 82 |
| 22) Nitrobenzene | 9.134 | 77 | 406623 | 20.771 | ng/ul | 91 |
| 23) Isophorone | 9.663 | 82 | 776725 | 19.977 | ng/ul | 95 |
| 25) 2-Nitrophenol | 9.852 | 139 | 191859 | 21.552 | ng/ul# | 83 |
| 26) 2,4-Dimethylphenol | 9.905 | 107 | 432995 | 20.076 | ng/ul | 92 |
| 27) Bis(2-Chloroethoxy)met... | 10.146 | 93 | 513503 | 19.951 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.381 | 162 | 372291 | 20.017 | ng/ul | 94 |
| 30) Naphthalene | 10.787 | 128 | 1276252 | 19.699 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.893 | 127 | 525156 | 19.853 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.081 | 225 | 242010 | 18.862 | ng/ul | 96 |
| 34) Caprolactam | 11.663 | 113 | 101364 | 18.285 | ng/ul | 95 |
| 35) 4-Chloro-3-methylphenol | 12.010 | 107 | 375082 | 19.883 | ng/ul | 90 |
| 36) 2-Methylnaphthalene | 12.393 | 142 | 847889 | 19.520 | ng/ul | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.610 | 142 | 864918 | 19.520 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.757 | 216 | 461120 | 19.400 | ng/ul# | 96 |
| 40) Hexachlorocyclopentadiene | 12.746 | 237 | 275875 | 17.984 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 12.993 | 196 | 277251 | 20.153 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.063 | 196 | 303256 | 19.774 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.399 | 154 | 1141773 | 19.756 | ng/ul# | 97 |
| 44) 2-Chloronaphthalene | 13.440 | 162 | 879918 | 19.747 | ng/ul | 91 |
| 45) 2-Nitroaniline | 13.640 | 65 | 197382 | 21.795 | ng/ul# | 80 |
| 47) Dimethylphthalate | 14.016 | 163 | 1051303 | 19.389 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.134 | 165 | 186834 | 20.632 | ng/ul# | 77 |
| 50) Acenaphthylene | 14.281 | 152 | 1416962 | 20.057 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.457 | 138 | 202704 | 19.528 | ng/ul | 89 |
| 52) Acenaphthene | 14.622 | 153 | 917361 | 19.610 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.663 | 184 | 86395 | 16.984 | ng/ul# | 73 |
| 55) 4-Nitrophenol | 14.757 | 109 | 136578 | 19.894 | ng/ul# | 85 |
| 56) Dibenzofuran | 14.957 | 168 | 1312537 | 19.443 | ng/ul# | 86 |
| 57) 2,4-Dinitrotoluene | 14.916 | 165 | 270083 | 20.871 | ng/ul# | 79 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.181 | 232 | 239451 | 19.377 | ng/ul# | 79 |
| 59) Diethylphthalate | 15.381 | 149 | 1017509 | 19.274 | ng/ul | 95 |
| 61) Fluorene | 15.610 | 166 | 1062565 | 19.749 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.604 | 204 | 532891 | 19.428 | ng/ul# | 81 |
| 63) 4-Nitroaniline | 15.622 | 138 | 213014m | 20.554 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.681 | 198 | 142129 | 18.733 | ng/ul# | 74 |
| 67) N-Nitrosodiphenylamine | 15.816 | 169 | 897929 | 20.239 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.498 | 248 | 308340 | 19.361 | ng/ul# | 84 |
| 69) Hexachlorobenzene | 16.610 | 284 | 350351 | 18.972 | ng/ul# | 90 |
| 70) Atrazine | 16.769 | 200 | 316782 | 18.854 | ng/ul | 94 |
| 71) Pentachlorophenol | 16.957 | 266 | 194100 | 18.350 | ng/ul | 97 |
| 72) Phenanthrene | 17.351 | 178 | 1680121 | 20.022 | ng/ul | 99 |
| 74) Anthracene | 17.440 | 178 | 1688996 | 20.250 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.363 | 216 | 476003 | 20.161 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.881 | 250 | 452506 | 19.800 | ng/uL | 99 |
| 77) Carbazole | 17.710 | 167 | 1493571 | 20.148 | ng/ul | 96 |
| 78) Di-n-butylphthalate | 18.263 | 149 | 1638053 | 19.497 | ng/ul | 99 |
| 80) Fluoranthene | 19.316 | 202 | 1921888 | 19.797 | ng/ul# | 93 |
| 82) Pyrene | 19.663 | 202 | 2008118 | 20.167 | ng/ul | 95 |
| 83) Butylbenzylphthalate | 20.539 | 149 | 671688 | 19.372 | ng/ul# | 91 |
| 84) 3,3'-Dichlorobenzidine | 21.304 | 252 | 609602 | 17.627 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.375 | 228 | 1929724 | 19.886 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.304 | 149 | 1026716 | 19.863 | ng/ul# | 94 |
| 87) Chrysene | 21.428 | 228 | 1886173 | 19.642 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.239 | 149 | 1703490 | 19.348 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.080 | 252 | 1986197 | 19.926 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.127 | 252 | 1860595 | 19.941 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.716 | 252 | 1927039 | 20.093 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.374 | 276 | 2184106 | 19.631 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.392 | 278 | 1906864 | 19.809 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.157 | 276 | 1828134 | 19.159 | ng/ul | 96 |

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

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