Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111523\
Data File : BP018184.D
Acq On : 15 Nov 2023 21:05
Operator : MA/JU
Sample : PB157123BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 22:15:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP111023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 15 18:13:37 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS123

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/16/2023
Supervised By :mohammad ahmed 11/17/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 55287 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.599 | 136 | 218706 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.463 | 164 | 142792 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.245 | 188 | 316951 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.375 | 240 | 324824 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.845 | 264 | 355389 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.158 | 96 | 9479 | 6.048 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.593 | 84 | 104896 | 25.669 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.952 | 99 | 146345 | 27.418 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.134 | 67 | 93119 | 29.687 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.305 | 132 | 122311 | 28.937 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.511 | 113 | 116175 | 26.562 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.987 | 128 | 55731 | 28.284 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.699 | 143 | 67136 | 30.075 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.228 | 165 | 117389 | 29.505 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.781 | 131 | 114793 | 21.039 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.887 | 166 | 388847 | 29.514 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.163 | 160 | 416004 | 28.990 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.722 | 143 | 42201 | 21.435 | ng/ul | -0.01 |
| 60) Fluorene-d10 | 15.463 | 176 | 325366 | 29.912 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.628 | 200 | 64560 | 28.176 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.345 | 188 | 523555 | 30.542 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.604 | 212 | 648989 | 29.912 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.680 | 264 | 654467 | 31.671 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.193 | 88 | 20349 | 11.898 | ng/uL | 95 |
| 5) Pyridine | 3.611 | 79 | 116165 | 27.544 | ng/ul | 99 |
| 6) Benzaldehyde | 6.958 | 77 | 82623 | 28.743 | ng/ul | 99 |
| 8) Phenol | 6.981 | 94 | 143125 | 27.182 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.228 | 93 | 118035 | 28.895 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.334 | 128 | 119768 | 28.221 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.240 | 108 | 107165 | 26.936 | ng/ul | 92 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 134349m | 28.803 | ng/ul | |
| 16) Acetophenone | 8.640 | 105 | 190599 | 27.415 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.605 | 70 | 100114 | 26.375 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.575 | 108 | 114035 | 26.283 | ng/ul | 95 |
| 19) Hexachloroethane | 8.828 | 117 | 62176 | 30.621 | ng/ul | 90 |
| 22) Nitrobenzene | 9.034 | 77 | 161127 | 30.284 | ng/ul | 95 |
| 23) Isophorone | 9.534 | 82 | 274224 | 28.246 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.734 | 139 | 67775 | 29.545 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 9.775 | 107 | 131187 | 26.884 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93 | 154710 | 29.223 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.257 | 162 | 110642 | 29.122 | ng/ul | 96 |
| 30) Naphthalene | 10.652 | 128 | 386808 | 29.082 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.805 | 127 | 123223 | 23.578 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.863 | 225 | 89069 | 31.934 | ng/ul | 97 |
| 34) Caprolactam | 11.628 | 113 | 36185m | 28.670 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.922 | 107 | 132299 | 28.944 | ng/ul | 96 |
| 36) 2-Methylnaphthalene | 12.269 | 142 | 264371 | 28.952 | ng/ul | 97 |

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Misc :
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Quant Title : SVOA CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.493 | 142 | 262565 | 27.982 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216 | 146259 | 30.320 | ng/ul | 95 |
| 40) Hexachlorocyclopentadiene | 12.557 | 237 | 46028 | 19.768 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.893 | 196 | 88210 | 27.876 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.969 | 196 | 91621 | 27.511 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.293 | 154 | 354771 | 29.218 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.340 | 162 | 279425 | 28.986 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.598 | 65 | 94534 | 30.389 | ng/ul | 92 |
| 47) Dimethylphthalate | 13.934 | 163 | 384235 | 29.730 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.093 | 165 | 74740 | 29.095 | ng/ul | 95 |
| 50) Acenaphthylene | 14.193 | 152 | 465810 | 28.751 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.440 | 138 | 65952 | 27.668 | ng/ul | 88 |
| 52) Acenaphthene | 14.528 | 153 | 313415 | 29.173 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.663 | 184 | 19333 | 13.796 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.740 | 109 | 73930 | 28.290 | ng/ul | 87 |
| 56) Dibenzofuran | 14.869 | 168 | 435316 | 29.568 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 14.887 | 165 | 117386 | 30.585 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.093 | 232 | 76721 | 25.897 | ng/ul# | 96 |
| 59) Diethylphthalate | 15.293 | 149 | 422783 | 31.312 | ng/ul | 100 |
| 61) Fluorene | 15.522 | 166 | 372052 | 29.766 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 188280 | 30.739 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.616 | 138 | 66052 | 29.364 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.640 | 198 | 62950 | 26.476 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 15.745 | 169 | 309913 | 30.489 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.422 | 248 | 111561 | 31.230 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.504 | 284 | 122603 | 30.758 | ng/ul | 98 |
| 70) Atrazine | 16.710 | 200 | 74733 | 21.077 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.881 | 266 | 24435 | 10.099 | ng/ul | 96 |
| 72) Phenanthrene | 17.287 | 178 | 602664 | 30.968 | ng/ul | 99 |
| 74) Anthracene | 17.381 | 178 | 606295 | 30.529 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.246 | 216 | 146868 | 30.344 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.757 | 250 | 146728 | 30.967 | ng/uL | 96 |
| 77) Carbazole | 17.681 | 167 | 551435 | 31.975 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.186 | 149 | 752348 | 34.382 | ng/ul | 98 |
| 80) Fluoranthene | 19.275 | 202 | 750666 | 29.625 | ng/ul | 98 |
| 82) Pyrene | 19.633 | 202 | 783957 | 29.525 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.498 | 149 | 364833 | 32.672 | ng/ul | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.310 | 252 | 232043 | 29.900 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.357 | 228 | 826182 | 31.499 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149 | 533775 | 34.671 | ng/ul | 99 |
| 87) Chrysene | 21.416 | 228 | 762115 | 31.058 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.192 | 149 | 938087 | 35.296 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.080 | 252 | 799681 | 31.618 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.133 | 252 | 811512 | 31.891 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.733 | 252 | 761382 | 31.877 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.462 | 276 | 903926 | 31.554 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.492 | 278 | 755121 | 32.013 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.280 | 276 | 724874 | 31.636 | ng/ul | 96 |

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

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