Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041522\
Data File : BM034710.D
Acq On : 15 Apr 2022 20:03
Operator : CG/JU
Sample : PB144121BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS121

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 04/18/2022
Supervised By :Yogesh Patel 04/18/2022

Quant Time: Apr 18 08:22:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040922.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 18 05:39:41 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.854 | 152 | 93884 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.660 | 136 | 374789 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.501 | 164 | 216103 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.248 | 188 | 433935 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.430 | 240 | 406693 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.800 | 264 | 354434 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.237 | 96 | 17119 | 6.502 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.672 | 84 | 152402 | 23.986 | ng/ul | 0.01 |
| 7) Phenol-d5 | 7.025 | 99 | 250432 | 32.049 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.178 | 67 | 180819 | 34.726 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.384 | 132 | 216964 | 35.918 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.572 | 113 | 197142 | 32.298 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.019 | 128 | 97161 | 35.274 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.742 | 143 | 101016 | 35.225 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.289 | 165 | 183364 | 33.956 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.807 | 131 | 162681 | 21.837 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.913 | 166 | 546818 | 35.019 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.195 | 160 | 671157 | 33.441 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.718 | 143 | 55228 | 23.196 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.495 | 176 | 472412 | 35.009 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.618 | 200 | 57577 | 21.735 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.348 | 188 | 715674 | 34.593 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.636 | 212 | 815191 | 36.725 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.641 | 264 | 610793 | 34.259 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.272 | 88 | 34096 | 12.862 | ng/uL# | 75 |
| 5) Pyridine | 3.690 | 79 | 171034 | 24.635 | ng/ul# | 69 |
| 6) Benzaldehyde | 6.989 | 77 | 173464m | 36.209 | ng/ul | |
| 8) Phenol | 7.048 | 94 | 261670 | 33.148 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.272 | 93 | 214995 | 33.748 | ng/ul# | 83 |
| 12) 2-Chlorophenol | 7.419 | 128 | 218731 | 35.523 | ng/ul# | 87 |
| 13) 2-Methylphenol | 8.307 | 108 | 196859 | 33.734 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.389 | 45 | 340888 | 35.788 | ng/ul# | 86 |
| 16) Acetophenone | 8.678 | 105 | 325793 | 34.195 | ng/ul# | 87 |
| 17) N-Nitroso-di-n-propyla... | 8.666 | 70 | 167199 | 32.970 | ng/ul# | 84 |
| 18) 4-Methylphenol | 8.636 | 108 | 203831 | 32.834 | ng/ul | 100 |
| 19) Hexachloroethane | 8.936 | 117 | 94935 | 34.278 | ng/ul | 84 |
| 22) Nitrobenzene | 9.060 | 77 | 257309 | 35.633 | ng/ul | 91 |
| 23) Isophorone | 9.589 | 82 | 459930 | 35.867 | ng/ul# | 93 |
| 25) 2-Nitrophenol | 9.777 | 139 | 107003 | 34.836 | ng/ul# | 90 |
| 26) 2,4-Dimethylphenol | 9.842 | 107 | 227295 | 33.338 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.072 | 93 | 270306 | 35.036 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.319 | 162 | 180953 | 33.953 | ng/ul# | 95 |
| 30) Naphthalene | 10.713 | 128 | 676766 | 34.685 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.830 | 127 | 156000 | 20.901 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.001 | 225 | 125264 | 33.431 | ng/ul | 97 |
| 34) Caprolactam | 11.613 | 113 | 39401m | 22.757 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.966 | 107 | 196190 | 35.460 | ng/ul | 91 |
| 36) 2-Methylnaphthalene | 12.330 | 142 | 435314 | 34.811 | ng/ul | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1-Methylnaphthalene | 12.548 | 142 | 451006 | 35.154 | ng/ul | 100 |
| 39) | 1,2,4,5-Tetrachloroben... | 12.701 | 216 | 221815 | 34.292 | ng/ul# | 97 |
| 40) | Hexachlorocyclopentadiene | 12.677 | 237 | 101971 | 24.022 | ng/ul | 99 |
| 41) | 2,4,6-Trichlorophenol | 12.942 | 196 | 142715 | 36.320 | ng/ul | 94 |
| 42) | 2,4,5-Trichlorophenol | 13.018 | 196 | 144674 | 35.530 | ng/ul | 98 |
| 43) | 1,1'-Biphenyl | 13.336 | 154 | 581546 | 35.525 | ng/ul# | 96 |
| 44) | 2-Chloronaphthalene | 13.377 | 162 | 447324 | 35.593 | ng/ul | 96 |
| 45) | 2-Nitroaniline | 13.589 | 65 | 123317 | 35.984 | ng/ul# | 83 |
| 47) | Dimethylphthalate | 13.960 | 163 | 542014 | 35.272 | ng/ul | 98 |
| 48) | 2,6-Dinitrotoluene | 14.083 | 165 | 107698 | 36.481 | ng/ul | 89 |
| 50) | Acenaphthylene | 14.224 | 152 | 714624 | 35.074 | ng/ul | 99 |
| 51) | 3-Nitroaniline | 14.424 | 138 | 68805 | 26.658 | ng/ul | 93 |
| 52) | Acenaphthene | 14.565 | 153 | 469958 | 34.644 | ng/ul | 99 |
| 53) | 2,4-Dinitrophenol | 14.624 | 184 | 15906 | 9.561 | ng/ul# | 77 |
| 55) | 4-Nitrophenol | 14.736 | 109 | 47984 | 23.600 | ng/ul# | 80 |
| 56) | Dibenzofuran | 14.901 | 168 | 654664 | 35.509 | ng/ul | 93 |
| 57) | 2,4-Dinitrotoluene | 14.871 | 165 | 146524 | 35.660 | ng/ul# | 76 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.130 | 232 | 126078 | 35.266 | ng/ul# | 88 |
| 59) | Diethylphthalate | 15.324 | 149 | 551166 | 35.312 | ng/ul | 97 |
| 61) | Fluorene | 15.548 | 166 | 539158 | 34.661 | ng/ul | 98 |
| 62) | 4-Chlorophenyl-phenyle... | 15.548 | 204 | 264784 | 35.265 | ng/ul | 93 |
| 63) | 4-Nitroaniline | 15.583 | 138 | 50224m | 22.099 | ng/ul | |
| 66) | 4,6-Dinitro-2-methylph... | 15.630 | 198 | 56124 | 21.248 | ng/ul# | 77 |
| 67) | N-Nitrosodiphenylamine | 15.759 | 169 | 444450 | 34.378 | ng/ul | 99 |
| 68) | 4-Bromophenyl-phenylether | 16.436 | 248 | 156410 | 34.869 | ng/ul# | 91 |
| 69) | Hexachlorobenzene | 16.559 | 284 | 182664 | 33.907 | ng/ul | 95 |
| 70) | Atrazine | 16.712 | 200 | 137246 | 28.368 | ng/ul | 99 |
| 71) | Pentachlorophenol | 16.901 | 266 | 71461 | 21.664 | ng/ul | 94 |
| 72) | Phenanthrene | 17.289 | 178 | 844181 | 34.864 | ng/ul | 99 |
| 74) | Anthracene | 17.383 | 178 | 845764 | 35.250 | ng/ul | 99 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.307 | 216 | 233664 | 34.285 | ng/uL | 99 |
| 76) | Pentachlorobenzene | 14.824 | 250 | 214786 | 33.582 | ng/uL | 99 |
| 77) | Carbazole | 17.653 | 167 | 648638 | 32.679 | ng/ul | 99 |
| 78) | Di-n-butylphthalate | 18.218 | 149 | 900083 | 35.728 | ng/ul | 99 |
| 80) | Fluoranthene | 19.306 | 202 | 962322 | 39.175 | ng/ul# | 89 |
| 82) | Pyrene | 19.665 | 202 | 995111 | 37.270 | ng/ul# | 86 |
| 83) | Butylbenzylphthalate | 20.565 | 149 | 361614m | 34.596 | ng/ul | |
| 84) | 3,3'-Dichlorobenzidine | 21.371 | 252 | 16852 | 2.364 | ng/ul# | 94 |
| 85) | Benzo(a)anthracene | 21.412 | 228 | 832005 | 35.183 | ng/ul | 99 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.341 | 149 | 565760m | 36.165 | ng/ul | |
| 87) | Chrysene | 21.465 | 228 | 919932 | 36.077 | ng/ul | 99 |
| 89) | Di-n-octyl phthalate | 22.253 | 149 | 791500 | 33.544 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 23.077 | 252 | 826351 | 39.237 | ng/ul# | 98 |
| 91) | Benzo(k)fluoranthene | 23.124 | 252 | 891384 | 40.303 | ng/ul# | 97 |
| 93) | Benzo(a)pyrene | 23.694 | 252 | 775387 | 37.251 | ng/ul# | 97 |
| 94) | Indeno(1,2,3-cd)pyrene | 26.271 | 276 | 465574 | 20.901 | ng/ul | 94 |
| 95) | Dibenzo(a,h)anthracene | 26.300 | 278 | 246410m | 13.493 | ng/ul | |
| 96) | Benzo(g,h,i)perylene | 27.023 | 276 | 619601 | 28.979 | ng/ul# | 94 |

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

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