Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012725\
Data File : BP023772.D
Acq On : 28 Jan 2025 14:14
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020781

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 01/29/2025
Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 29 08:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012225.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 27 21:53:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 570889 | 20.000 | ng/ul | -0.02 |
| 20) Naphthalene-d8 | 10.557 | 136 | 2485160 | 20.000 | ng/ul | -0.01 |
| 38) Acenaphthene-d10 | 14.422 | 164 | 1627612 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.239 | 188 | 3271986 | 20.000 | ng/ul | 0.02 |
| 79) Chrysene-d12 | 21.692 | 240 | 3837350 | 20.000 | ng/ul | 0.02 |
| 88) Perylene-d12 | 25.098 | 264 | 4149793 | 20.000 | ng/ul | 0.04 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.281 | 96 | 110662 | 7.807 | ng/uL | -0.02 |
| 4) Pyridine-d5 | 3.687 | 84 | 821350 | 20.081 | ng/ul | -0.02 |
| 7) Phenol-d5 | 6.946 | 99 | 1047334 | 21.681 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.093 | 67 | 530862 | 19.456 | ng/ul | -0.03 |
| 11) 2-Chlorophenol-d4 | 7.310 | 132 | 797825 | 21.725 | ng/ul | -0.02 |
| 15) 4-Methylphenol-d8 | 8.469 | 113 | 813021 | 21.403 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.910 | 128 | 393676 | 21.025 | ng/ul | -0.02 |
| 24) 2-Nitrophenol-d4 | 9.628 | 143 | 415087 | 24.181 | ng/ul | -0.02 |
| 28) 2,4-Dichlorophenol-d3 | 10.181 | 165 | 798822 | 22.139 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.681 | 131 | 1193463 | 20.682 | ng/ul | -0.01 |
| 46) Dimethylphthalate-d6 | 13.822 | 166 | 2362561 | 20.184 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.104 | 160 | 2739305 | 20.220 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.651 | 143 | 446041 | 18.965 | ng/ul | 0.06 |
| 60) Fluorene-d10 | 15.422 | 176 | 2046394 | 20.423 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 200 | 335818 | 20.842 | ng/ul | 0.02 |
| 73) Anthracene-d10 | 17.339 | 188 | 3210832 | 20.440 | ng/ul | 0.02 |
| 81) Pyrene-d10 | 19.710 | 212 | 4076333 | 20.876 | ng/ul | 0.02 |
| 92) Benzo(a)pyrene-d12 | 24.868 | 264 | 4322684 | 20.811 | ng/ul | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 117862 | 7.860 | ng/uL | 96 |
| 5) Pyridine | 3.705 | 79 | 829679 | 20.064 | ng/ul | 96 |
| 6) Benzaldehyde | 6.905 | 77 | 630306 | 25.963 | ng/ul | 96 |
| 8) Phenol | 6.981 | 94 | 1041157 | 20.598 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.187 | 93 | 786111 | 19.991 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.340 | 128 | 827624 | 21.259 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.210 | 108 | 769403 | 20.976 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.281 | 45 | 826049 | 20.253 | ng/ul | 99 |
| 16) Acetophenone | 8.575 | 105 | 1282659 | 21.026 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.563 | 70 | 595749 | 21.108 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.540 | 108 | 865904 | 21.232 | ng/ul | 95 |
| 19) Hexachloroethane | 8.840 | 117 | 316128 | 19.868 | ng/ul | 94 |
| 22) Nitrobenzene | 8.952 | 77 | 874955 | 20.001 | ng/ul | 98 |
| 23) Isophorone | 9.475 | 82 | 1693004 | 20.347 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.657 | 139 | 465201 | 23.083 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.728 | 107 | 868482 | 20.792 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.957 | 93 | 1079976 | 20.031 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 803934 | 21.552 | ng/ul | 98 |
| 30) Naphthalene | 10.599 | 128 | 2662738 | 19.910 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.704 | 127 | 1071219 | 19.445 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.893 | 225 | 467538 | 19.911 | ng/ul | 99 |
| 34) Caprolactam | 11.487 | 113 | 312863 | 22.864 | ng/ul | 96 |
| 35) 4-Chloro-3-methylphenol | 11.851 | 107 | 861015 | 22.282 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.228 | 142 | 1867896 | 20.683 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.428 | 142 | 1878453 | 20.807 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.598 | 216 | 956884 | 19.793 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.581 | 237 | 562197 | 22.823 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.834 | 196 | 639412 | 22.496 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.916 | 196 | 705849 | 22.483 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.234 | 154 | 2434466 | 19.879 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.281 | 162 | 1918194 | 20.118 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.481 | 65 | 490962 | 21.682 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.875 | 163 | 2339207 | 19.906 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.987 | 165 | 463271 | 22.103 | ng/ul | 96 |
| 50) Acenaphthylene | 14.134 | 152 | 2932061 | 19.962 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.322 | 138 | 528579 | 21.609 | ng/ul | 96 |
| 52) Acenaphthene | 14.481 | 153 | 2074269 | 19.973 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.528 | 184 | 239090 | 23.235 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.663 | 109 | 322354 | 18.676 | ng/ul | 98 |
| 56) Dibenzofuran | 14.816 | 168 | 2899223 | 20.296 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 690274 | 22.013 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232 | 578532 | 22.438 | ng/ul | 98 |
| 59) Diethylphthalate | 15.263 | 149 | 2347770 | 20.313 | ng/ul | 99 |
| 61) Fluorene | 15.486 | 166 | 2395103 | 20.121 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.481 | 204 | 1157915 | 19.873 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.492 | 138 | 554814 | 22.293 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 375967 | 20.748 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.704 | 169 | 2000623 | 20.358 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.392 | 248 | 721254 | 20.589 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.510 | 284 | 852255 | 19.992 | ng/ul | 98 |
| 70) Atrazine | 16.686 | 200 | 732641 | 20.212 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.886 | 266 | 552739 | 21.465 | ng/ul | 100 |
| 72) Phenanthrene | 17.286 | 178 | 3671049 | 19.858 | ng/ul | 99 |
| 74) Anthracene | 17.369 | 178 | 3762701 | 20.491 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.204 | 216 | 964876 | 20.326 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.739 | 250 | 1033523 | 20.496 | ng/uL | 100 |
| 77) Carbazole | 17.651 | 167 | 3416073 | 21.180 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.251 | 149 | 3941991 | 21.479 | ng/ul | 99 |
| 80) Fluoranthene | 19.363 | 202 | 4714063 | 21.233 | ng/ul | 99 |
| 82) Pyrene | 19.739 | 202 | 5093016 | 21.121 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.698 | 149 | 1933476 | 22.233 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.598 | 252 | 1489945 | 22.001 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.669 | 228 | 4997132 | 20.541 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.627 | 149 | 2769060 | 21.351 | ng/ul# | 97 |
| 87) Chrysene | 21.739 | 228 | 4611559 | 20.248 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.933 | 149 | 4526637 | 21.760 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.027 | 252 | 4979784 | 20.200 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 24.098 | 252 | 4936213 | 19.424 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.933 | 252 | 4637352 | 19.987 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 28.992 | 276 | 6012960m | 20.851 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.080 | 278 | 4887356 | 20.862 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.192 | 276 | 4613233 | 20.796 | ng/ul | 97 |

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

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