Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062624\
Data File : BP020647.D
Acq On : 26 Jun 2024 12:37
Operator : MA/JU
Sample : SP6538
Misc : SFAM SPIKE
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 13:46:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 25 18:30:06 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SP6538

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.751 | 152 | 196901 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.516 | 136 | 810934 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.374 | 164 | 512745 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.174 | 188 | 954180 | 20.000 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.633 | 240 | 667140 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.974 | 264 | 761882 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.000 | 96 | 0d | 0.000 | ng/uL | |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 0.000 | 132 | 0d | 0.000 | ng/ul | |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 0.000 | 128 | 0d | 0.000 | ng/ul | |
| 24) 2-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 28) 2,4-Dichlorophenol-d3 | 0.000 | 165 | 0d | 0.000 | ng/ul | |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 0.000 | 166 | 0d | 0.000 | ng/ul | |
| 49) Acenaphthylene-d8 | 0.000 | 160 | 0d | 0.000 | ng/ul | |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 0.000 | 176 | 0d | 0.000 | ng/ul | |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 0.000 | 188 | 0d | 0.000 | ng/ul | |
| 81) Pyrene-d10 | 0.000 | 212 | 0d | 0.000 | ng/ul | |
| 92) Benzo(a)pyrene-d12 | 0.000 | 264 | 0d | 0.000 | ng/ul | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.310 | 88 | 141115 | 27.501 | ng/uL | 96 |
| 5) Pyridine | 3.704 | 79 | 1008835 | 72.879 | ng/ul | 97 |
| 6) Benzaldehyde | 6.910 | 77 | 852155 | 104.342 | ng/ul | 99 |
| 8) Phenol | 6.951 | 94 | 1370910 | 83.243 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.181 | 93 | 1033561 | 75.804 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.316 | 128 | 1093649 | 82.426 | ng/ul | 100 |
| 13) 2-Methylphenol | 8.192 | 108 | 1025613 | 81.169 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.263 | 45 | 1504613 | 72.614 | ng/ul | 98 |
| 16) Acetophenone | 8.569 | 105 | 1604658 | 76.608 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.557 | 70 | 819205 | 73.578 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.522 | 108 | 1114286 | 83.312 | ng/ul | 98 |
| 19) Hexachloroethane | 8.816 | 117 | 444746 | 77.215 | ng/ul | 97 |
| 22) Nitrobenzene | 8.939 | 77 | 1208526 | 77.865 | ng/ul | 99 |
| 23) Isophorone | 9.475 | 82 | 2343736 | 76.213 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.639 | 139 | 571856 | 88.381 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.698 | 107 | 1220205 | 80.971 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.939 | 93 | 1382253 | 75.556 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.175 | 162 | 1044245 | 85.484 | ng/ul | 98 |
| 30) Naphthalene | 10.569 | 128 | 3308983 | 76.236 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.681 | 127 | 1135040 | 68.162 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.833 | 225 | 726161 | 79.513 | ng/ul | 98 |
| 34) Caprolactam | 11.498 | 113 | 314659m | 84.646 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.810 | 107 | 1150025 | 85.267 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.169 | 142 | 2223130 | 76.461 | ng/ul | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1-Methylnaphthalene | 12.404 | 142 | 2240955 | 75.395 | ng/ul | 98 |
| 39) | 1,2,4,5-Tetrachloroben... | 12.539 | 216 | 1287852 | 78.560 | ng/ul | 99 |
| 40) | Hexachlorocyclopentadiene | 12.516 | 237 | 829762 | 81.321 | ng/ul | 99 |
| 41) | 2,4,6-Trichlorophenol | 12.792 | 196 | 839868 | 85.881 | ng/ul | 99 |
| 42) | 2,4,5-Trichlorophenol | 12.875 | 196 | 890084 | 87.755 | ng/ul | 98 |
| 43) | 1,1'-Biphenyl | 13.198 | 154 | 2920254 | 76.154 | ng/ul | 99 |
| 44) | 2-Chloronaphthalene | 13.245 | 162 | 2252276 | 74.573 | ng/ul | 99 |
| 45) | 2-Nitroaniline | 13.451 | 65 | 703124 | 92.428 | ng/ul | 95 |
| 47) | Dimethylphthalate | 13.839 | 163 | 2801371 | 77.140 | ng/ul | 99 |
| 48) | 2,6-Dinitrotoluene | 13.963 | 165 | 584619 | 90.281 | ng/ul | 98 |
| 50) | Acenaphthylene | 14.092 | 152 | 3562299 | 74.134 | ng/ul | 100 |
| 51) | 3-Nitroaniline | 14.298 | 138 | 533814 | 88.695 | ng/ul | 96 |
| 52) | Acenaphthene | 14.439 | 153 | 2395586 | 75.154 | ng/ul | 100 |
| 53) | 2,4-Dinitrophenol | 14.498 | 184 | 337020 | 100.335 | ng/ul | 95 |
| 55) | 4-Nitrophenol | 14.616 | 109 | 410916 | 84.299 | ng/ul | 98 |
| 56) | Dibenzofuran | 14.786 | 168 | 3267440 | 76.070 | ng/ul | 98 |
| 57) | 2,4-Dinitrotoluene | 14.757 | 165 | 815866 | 91.274 | ng/ul | 95 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 728623 | 86.977 | ng/ul | 99 |
| 59) | Diethylphthalate | 15.216 | 149 | 2777733 | 77.544 | ng/ul | 99 |
| 61) | Fluorene | 15.451 | 166 | 2550806 | 73.913 | ng/ul | 99 |
| 62) | 4-Chlorophenyl-phenyle... | 15.445 | 204 | 1367979 | 75.960 | ng/ul | 98 |
| 63) | 4-Nitroaniline | 15.486 | 138 | 564629 | 98.851 | ng/ul | 99 |
| 66) | 4,6-Dinitro-2-methylph... | 15.533 | 198 | 454792 | 88.293 | ng/ul# | 93 |
| 67) | N-Nitrosodiphenylamine | 15.657 | 169 | 2233466 | 79.371 | ng/ul | 99 |
| 68) | 4-Bromophenyl-phenylether | 16.351 | 248 | 871327 | 81.868 | ng/ul | 98 |
| 69) | Hexachlorobenzene | 16.463 | 284 | 966282 | 81.104 | ng/ul | 94 |
| 70) | Atrazine | 16.639 | 200 | 825553 | 83.219 | ng/ul | 98 |
| 71) | Pentachlorophenol | 16.821 | 266 | 615642 | 89.754 | ng/ul | 96 |
| 72) | Phenanthrene | 17.227 | 178 | 3834999 | 76.752 | ng/ul | 100 |
| 74) | Anthracene | 17.321 | 178 | 3874695 | 75.388 | ng/ul | 99 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.169 | 216 | 1259081 | 81.290 | ng/uL | 98 |
| 76) | Pentachlorobenzene | 14.698 | 250 | 1171527 | 79.360 | ng/uL | 98 |
| 77) | Carbazole | 17.598 | 167 | 3277023 | 77.257 | ng/ul | 99 |
| 78) | Di-n-butylphthalate | 18.186 | 149 | 4151308 | 75.352 | ng/ul | 99 |
| 80) | Fluoranthene | 19.315 | 202 | 3959294 | 80.873 | ng/ul | 98 |
| 82) | Pyrene | 19.692 | 202 | 4057730 | 80.817 | ng/ul | 100 |
| 83) | Butylbenzylphthalate | 20.651 | 149 | 1642397 | 88.094 | ng/ul | 97 |
| 84) | 3,3'-Dichlorobenzidine | 21.533 | 252 | 1199261 | 81.305 | ng/ul | 98 |
| 85) | Benzo(a)anthracene | 21.609 | 228 | 3629320 | 77.614 | ng/ul | 98 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.551 | 149 | 2289713 | 79.100 | ng/ul | 100 |
| 87) | Chrysene | 21.674 | 228 | 3378798 | 76.444 | ng/ul | 99 |
| 89) | Di-n-octyl phthalate | 22.827 | 149 | 3855416 | 78.826 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 23.921 | 252 | 3582593 | 77.620 | ng/ul | 99 |
| 91) | Benzo(k)fluoranthene | 23.986 | 252 | 3539413 | 75.809 | ng/ul | 99 |
| 93) | Benzo(a)pyrene | 24.821 | 252 | 3214238 | 73.771 | ng/ul | 98 |
| 94) | Indeno(1,2,3-cd)pyrene | 28.803 | 276 | 4473113m | 80.040 | ng/ul | |
| 95) | Dibenzo(a,h)anthracene | 28.880 | 278 | 3604766 | 78.481 | ng/ul | 99 |
| 96) | Benzo(g,h,i)perylene | 29.980 | 276 | 3494426 | 76.584 | ng/ul | 99 |

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

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