Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101823\
Data File : BP017717.D
Acq On : 18 Oct 2023 19:32
Operator : MA/JU
Sample : SSTD02036
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020647

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 01:07:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 00:53:23 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.887 | 152 | 149715 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.722 | 136 | 583159 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.587 | 164 | 377977 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.375 | 188 | 829402 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.516 | 240 | 793218 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.068 | 264 | 848295 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.258 | 96 | 31707 | 7.898 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.693 | 84 | 205607 | 18.604 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.046 | 99 | 237418 | 17.411 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.234 | 67 | 154422 | 18.631 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.411 | 132 | 206300 | 19.389 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.610 | 113 | 189109 | 17.473 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.099 | 128 | 96231 | 19.793 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.810 | 143 | 107172 | 19.660 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.340 | 165 | 213048 | 20.629 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.893 | 131 | 261194 | 18.011 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.004 | 166 | 632906 | 19.526 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.281 | 160 | 721461 | 20.516 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.828 | 143 | 79155 | 15.083 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.592 | 176 | 553741 | 20.007 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.734 | 200 | 99397 | 17.368 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.475 | 188 | 860669 | 20.177 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.733 | 212 | 1005580 | 20.887 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.898 | 264 | 970935 | 20.341 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 34597 | 8.014 | ng/uL | 100 |
| 5) Pyridine | 3.711 | 79 | 211155 | 18.551 | ng/ul | 100 |
| 6) Benzaldehyde | 7.052 | 77 | 149664 | 21.783 | ng/ul | 100 |
| 8) Phenol | 7.075 | 94 | 237188 | 17.613 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.328 | 93 | 203698 | 18.660 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.440 | 128 | 206409 | 19.462 | ng/ul | 100 |
| 13) 2-Methylphenol | 8.340 | 108 | 181091 | 17.975 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.405 | 45 | 255729m | 18.309 | ng/ul | |
| 16) Acetophenone | 8.746 | 105 | 303823 | 18.044 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.716 | 70 | 151426 | 17.936 | ng/ul | 100 |
| 18) 4-Methylphenol | 8.675 | 108 | 194393 | 17.824 | ng/ul | 100 |
| 19) Hexachloroethane | 8.952 | 117 | 92913 | 19.520 | ng/ul | 100 |
| 22) Nitrobenzene | 9.140 | 77 | 241538 | 19.475 | ng/ul | 100 |
| 23) Isophorone | 9.652 | 82 | 426572 | 19.183 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.846 | 139 | 116179 | 20.016 | ng/ul | 100 |
| 26) 2,4-Dimethylphenol | 9.887 | 107 | 223640 | 19.507 | ng/ul | 100 |
| 27) Bis(2-Chloroethoxy)met... | 10.146 | 93 | 266882 | 19.444 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.369 | 162 | 199360 | 20.107 | ng/ul | 100 |
| 30) Naphthalene | 10.775 | 128 | 674600 | 19.966 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.916 | 127 | 249509 | 17.976 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.993 | 225 | 157924 | 20.370 | ng/ul | 100 |
| 34) Caprolactam | 11.769 | 113 | 48353m | 16.476 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.034 | 107 | 193493 | 18.889 | ng/ul | 100 |
| 36) 2-Methylnaphthalene | 12.393 | 142 | 461443 | 20.000 | ng/ul | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.610 | 142 | 476103 | 20.247 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.746 | 216 | 282870 | 20.429 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 12.687 | 237 | 137556 | 21.210 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.004 | 196 | 173251 | 20.503 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 13.081 | 196 | 181169 | 20.368 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.410 | 154 | 630927 | 20.312 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.457 | 162 | 506830 | 20.382 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.710 | 65 | 118192 | 17.876 | ng/ul | 100 |
| 47) Dimethylphthalate | 14.051 | 163 | 631618 | 19.718 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.204 | 165 | 115166 | 19.609 | ng/ul | 100 |
| 50) Acenaphthylene | 14.310 | 152 | 809281 | 20.333 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.545 | 138 | 105101 | 18.075 | ng/ul | 100 |
| 52) Acenaphthene | 14.651 | 153 | 540822 | 20.360 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.757 | 184 | 49635 | 14.002 | ng/ul | 100 |
| 55) 4-Nitrophenol | 14.845 | 109 | 90750m | 18.363 | ng/ul | |
| 56) Dibenzofuran | 14.993 | 168 | 764270 | 20.108 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.993 | 165 | 177753 | 19.618 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232 | 156380 | 19.257 | ng/ul | 100 |
| 59) Diethylphthalate | 15.410 | 149 | 609965 | 19.146 | ng/ul | 100 |
| 61) Fluorene | 15.645 | 166 | 624892 | 20.016 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.640 | 204 | 332996 | 20.079 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.722 | 138 | 100650 | 17.671 | ng/ul | 100 |
| 66) 4,6-Dinitro-2-methylph... | 15.751 | 198 | 110175 | 18.190 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.869 | 169 | 513225 | 20.706 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248 | 196943 | 19.828 | ng/ul | 100 |
| 69) Hexachlorobenzene | 16.628 | 284 | 226660 | 19.291 | ng/ul | 100 |
| 70) Atrazine | 16.834 | 200 | 178206 | 18.844 | ng/ul | 100 |
| 71) Pentachlorophenol | 17.004 | 266 | 123032 | 17.430 | ng/ul | 100 |
| 72) Phenanthrene | 17.422 | 178 | 980861 | 20.115 | ng/ul | 100 |
| 74) Anthracene | 17.510 | 178 | 998696 | 20.280 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.363 | 216 | 279783 | 21.099 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.881 | 250 | 272379 | 20.269 | ng/uL | 100 |
| 77) Carbazole | 17.810 | 167 | 822031 | 18.720 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.322 | 149 | 986619 | 18.382 | ng/ul | 100 |
| 80) Fluoranthene | 19.404 | 202 | 1160192 | 21.039 | ng/ul | 100 |
| 82) Pyrene | 19.763 | 202 | 1227155 | 21.250 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.633 | 149 | 420431 | 19.208 | ng/ul | 100 |
| 84) 3,3'-Dichlorobenzidine | 21.445 | 252 | 340277 | 17.333 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.498 | 228 | 1232251 | 20.240 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.380 | 149 | 585855 | 17.866 | ng/ul | 100 |
| 87) Chrysene | 21.557 | 228 | 1154905 | 20.451 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.363 | 149 | 988099 | 18.134 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.274 | 252 | 1192400 | 20.528 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 23.327 | 252 | 1172486 | 20.369 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.957 | 252 | 1103179 | 20.475 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.780 | 276 | 1312106 | 19.926 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.810 | 278 | 1090373 | 19.816 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 27.627 | 276 | 1052430 | 20.093 | ng/ul | 100 |

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

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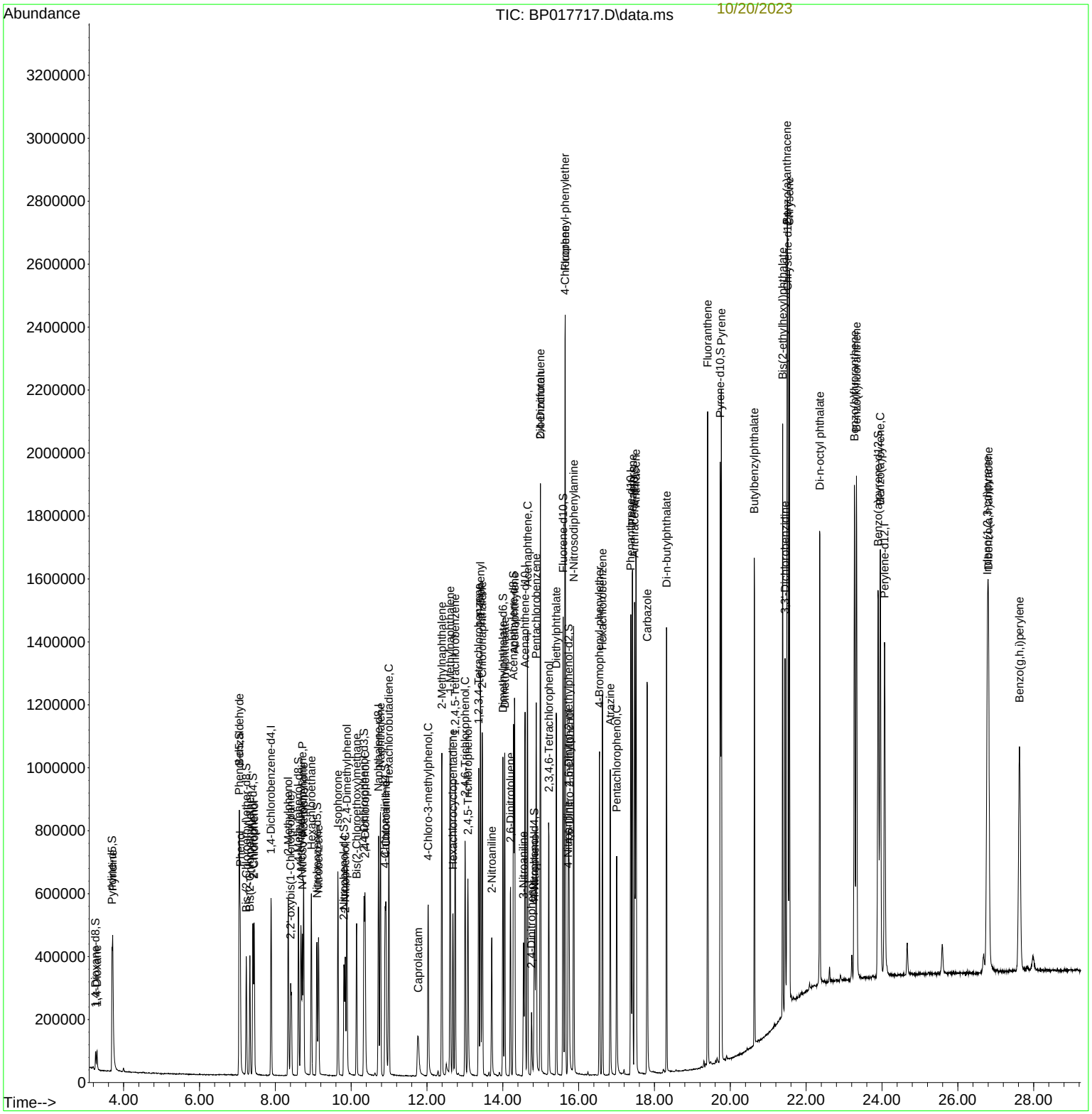
Reviewed By :Yogesh Patel
10/19/2023
Supervised By :mohammad ahmed
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