Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050923\
Data File : BP015020.D
Acq On : 09 May 2023 14:00
Operator : CG/JU
Sample : 02609-16MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
JREJ4MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

Quant Time: May 09 22:46:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 12:12:36 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.158 | 152 | 303861 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.993 | 136 | 1446317 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.804 | 164 | 1021631 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.563 | 188 | 2165893 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.645 | 240 | 1689911 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.245 | 264 | 1431558 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.458 | 96 | 36162 | 4.425 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.899 | 84 | 166371 | 7.448 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.305 | 99 | 180850 | 6.865 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.475 | 67 | 455645 | 27.983 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.681 | 132 | 469538 | 24.239 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.869 | 113 | 337162 | 16.608 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.340 | 128 | 319105 | 31.022 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.069 | 143 | 356313 | 33.734 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.610 | 165 | 623583 | 30.067 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.128 | 131 | 343697 | 11.457 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.210 | 166 | 2443141 | 33.789 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.498 | 160 | 2711247 | 31.265 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.993 | 143 | 101268 | 8.051 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.798 | 176 | 2037403 | 32.752 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.916 | 200 | 388679 | 31.878 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.663 | 188 | 3156201 | 32.432 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.881 | 212 | 3547643 | 31.126 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.074 | 264 | 2487378 | 35.661 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.493 | 88 | 41892 | 4.731 | ng/uL | 97 |
| 5) Pyridine | 3.917 | 79 | 303609 | 13.056 | ng/ul | 96 |
| 6) Benzaldehyde | 7.287 | 77 | 458444m | 63.648 | ng/ul | |
| 8) Phenol | 7.334 | 94 | 203572 | 7.360 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.569 | 93 | 661695 | 28.783 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.716 | 128 | 502786 | 23.960 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.605 | 108 | 401969 | 19.491 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.693 | 45 | 821938 | 28.188 | ng/ul | 100 |
| 16) Acetophenone | 8.993 | 105 | 1020730 | 30.750 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.975 | 70 | 521586 | 30.831 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.934 | 108 | 384994 | 16.887 | ng/ul | 95 |
| 19) Hexachloroethane | 9.258 | 117 | 201159 | 22.095 | ng/ul | 94 |
| 22) Nitrobenzene | 9.381 | 77 | 776265 | 28.721 | ng/ul | 96 |
| 23) Isophorone | 9.910 | 82 | 1597905 | 29.914 | ng/ul | 100 |
| 25) 2-Nitrophenol | 10.099 | 139 | 385582 | 31.741 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 10.152 | 107 | 604998 | 22.949 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.393 | 93 | 982079 | 28.759 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.634 | 162 | 633277 | 29.521 | ng/ul | 99 |
| 30) Naphthalene | 11.046 | 128 | 2082178 | 26.190 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.152 | 127 | 753699 | 24.077 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.328 | 225 | 342218 | 24.724 | ng/ul | 100 |
| 34) Caprolactam | 11.940 | 113 | 44344 | 6.710 | ng/ul | 98 |
| 35) 4-Chloro-3-methylphenol | 12.263 | 107 | 764852 | 34.683 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.646 | 142 | 1695088 | 34.478 | ng/ul | 99 |

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Misc :
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**Instrument :**
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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1-Methylnaphthalene | 12.857 | 142 | 1757785 | 34.685 | ng/ul | 99 |
| 39) | 1,2,4,5-Tetrachloroben... | 13.004 | 216 | 902722 | 28.327 | ng/ul | 99 |
| 40) | Hexachlorocyclopentadiene | 12.981 | 237 | 369819 | 17.210 | ng/ul | 99 |
| 41) | 2,4,6-Trichlorophenol | 13.240 | 196 | 648663 | 33.034 | ng/ul | 100 |
| 42) | 2,4,5-Trichlorophenol | 13.310 | 196 | 718366 | 33.943 | ng/ul | 97 |
| 43) | 1,1'-Biphenyl | 13.640 | 154 | 2387659 | 29.233 | ng/ul | 99 |
| 44) | 2-Chloronaphthalene | 13.687 | 162 | 1870574 | 29.401 | ng/ul | 100 |
| 45) | 2-Nitroaniline | 13.887 | 65 | 582746 | 39.333 | ng/ul | 98 |
| 47) | Dimethylphthalate | 14.257 | 163 | 2521175 | 33.161 | ng/ul | 99 |
| 48) | 2,6-Dinitrotoluene | 14.381 | 165 | 537558 | 40.011 | ng/ul | 95 |
| 50) | Acenaphthylene | 14.528 | 152 | 3004483 | 30.560 | ng/ul | 99 |
| 51) | 3-Nitroaniline | 14.710 | 138 | 522410 | 42.974 | ng/ul | 97 |
| 52) | Acenaphthene | 14.869 | 153 | 2069933 | 30.426 | ng/ul | 98 |
| 53) | 2,4-Dinitrophenol | 14.916 | 184 | 180031 | 22.017 | ng/ul | 93 |
| 55) | 4-Nitrophenol | 15.004 | 109 | 80320 | 8.389 | ng/ul | 97 |
| 56) | Dibenzofuran | 15.204 | 168 | 2912437 | 31.726 | ng/ul | 100 |
| 57) | 2,4-Dinitrotoluene | 15.169 | 165 | 766819 | 40.749 | ng/ul | 91 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.428 | 232 | 603716 | 35.051 | ng/ul | 94 |
| 59) | Diethylphthalate | 15.616 | 149 | 2538824 | 35.340 | ng/ul | 98 |
| 61) | Fluorene | 15.857 | 166 | 2338340 | 32.291 | ng/ul | 99 |
| 62) | 4-Chlorophenyl-phenyle... | 15.840 | 204 | 1152658 | 32.527 | ng/ul | 96 |
| 63) | 4-Nitroaniline | 15.875 | 138 | 538708 | 53.094 | ng/ul | 96 |
| 66) | 4,6-Dinitro-2-methylph... | 15.934 | 198 | 402823 | 31.147 | ng/ul# | 94 |
| 67) | N-Nitrosodiphenylamine | 16.057 | 169 | 1734253 | 26.382 | ng/ul | 100 |
| 68) | 4-Bromophenyl-phenylether | 16.740 | 248 | 747240 | 33.164 | ng/ul | 98 |
| 69) | Hexachlorobenzene | 16.863 | 284 | 858698 | 32.355 | ng/ul | 96 |
| 70) | Atrazine | 17.010 | 200 | 628471 | 28.411 | ng/ul | 100 |
| 71) | Pentachlorophenol | 17.210 | 266 | 464280 | 29.967 | ng/ul | 99 |
| 72) | Phenanthrene | 17.604 | 178 | 3847751 | 32.157 | ng/ul | 99 |
| 74) | Anthracene | 17.698 | 178 | 3802106 | 31.916 | ng/ul | 99 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.610 | 216 | 935819 | 26.101 | ng/uL | 97 |
| 76) | Pentachlorobenzene | 15.122 | 250 | 966337 | 28.329 | ng/uL | 99 |
| 77) | Carbazole | 17.963 | 167 | 3568918 | 35.618 | ng/ul | 99 |
| 78) | Di-n-butylphthalate | 18.492 | 149 | 4446850 | 39.688 | ng/ul | 100 |
| 80) | Fluoranthene | 19.557 | 202 | 4442261 | 31.763 | ng/ul | 98 |
| 82) | Pyrene | 19.910 | 202 | 4489418 | 30.298 | ng/ul | 98 |
| 83) | Butylbenzylphthalate | 20.763 | 149 | 1985433 | 44.629 | ng/ul | 96 |
| 84) | 3,3'-Dichlorobenzidine | 21.551 | 252 | 621093 | 21.836 | ng/ul | 100 |
| 85) | Benzo(a)anthracene | 21.627 | 228 | 3957456 | 35.085 | ng/ul | 99 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.522 | 149 | 2891742 | 51.660 | ng/ul | 99 |
| 87) | Chrysene | 21.686 | 228 | 3734566 | 32.882 | ng/ul | 100 |
| 89) | Di-n-octyl phthalate | 22.516 | 149 | 4861035 | 58.156 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 23.445 | 252 | 3395671 | 36.702 | ng/ul | 99 |
| 91) | Benzo(k)fluoranthene | 23.498 | 252 | 3282031 | 34.856 | ng/ul | 99 |
| 93) | Benzo(a)pyrene | 24.133 | 252 | 2788324 | 34.365 | ng/ul | 99 |
| 94) | Indeno(1,2,3-cd)pyrene | 27.004 | 276 | 3360052 | 33.949 | ng/ul | 99 |
| 95) | Dibenzo(a,h)anthracene | 27.021 | 278 | 2779770 | 34.267 | ng/ul | 99 |
| 96) | Benzo(g,h,i)perylene | 27.857 | 276 | 2753102 | 32.683 | ng/ul | 98 |

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

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