Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041922\
Data File : BP009974.D
Acq On : 20 Apr 2022 13:47
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020763

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 04/21/2022
Supervised By :Yogesh Patel 04/25/2022

Quant Time: Apr 21 01:05:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP040722.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 20 01:32:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.952 | 152 | 122074 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.757 | 136 | 553549 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.581 | 164 | 400794 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.333 | 188 | 902222 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.416 | 240 | 966095 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.868 | 264 | 948677 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.369 | 96 | 23457 | 8.576 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.787 | 84 | 151791 | 20.127 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.105 | 99 | 226195 | 21.105 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.275 | 67 | 143132 | 22.433 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.475 | 132 | 175401 | 21.697 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.657 | 113 | 191473 | 21.402 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.104 | 128 | 91793 | 22.995 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.834 | 143 | 102400 | 23.398 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.375 | 165 | 197069 | 21.519 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.887 | 131 | 295730 | 22.673 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.987 | 166 | 679316 | 21.577 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.275 | 160 | 811304 | 21.752 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.769 | 143 | 113923 | 19.953 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.575 | 176 | 575457 | 21.728 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.686 | 200 | 104304 | 19.515 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.433 | 188 | 943433 | 21.840 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.663 | 212 | 1157778 | 21.943 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.710 | 264 | 1075793 | 21.776 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.405 | 88 | 23425 | 8.401 | ng/uL# | 24 |
| 5) Pyridine | 3.811 | 79 | 164238 | 20.873 | ng/ul# | 46 |
| 6) Benzaldehyde | 7.081 | 77 | 126681m | 19.274 | ng/ul | |
| 8) Phenol | 7.134 | 94 | 229621 | 21.404 | ng/ul# | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.363 | 93 | 185651 | 22.217 | ng/ul# | 76 |
| 12) 2-Chlorophenol | 7.510 | 128 | 176574 | 21.665 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.387 | 108 | 178108 | 21.291 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481 | 45 | 279260 | 22.608 | ng/ul# | 83 |
| 16) Acetophenone | 8.769 | 105 | 311173 | 22.075 | ng/ul# | 80 |
| 17) N-Nitroso-di-n-propyla... | 8.757 | 70 | 159133 | 21.775 | ng/ul# | 74 |
| 18) 4-Methylphenol | 8.722 | 108 | 198499 | 21.912 | ng/ul | 98 |
| 19) Hexachloroethane | 9.034 | 117 | 75672 | 21.991 | ng/ul# | 79 |
| 22) Nitrobenzene | 9.152 | 77 | 233416 | 22.781 | ng/ul# | 84 |
| 23) Isophorone | 9.675 | 82 | 446410 | 21.143 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.863 | 139 | 107337 | 22.996 | ng/ul# | 87 |
| 26) 2,4-Dimethylphenol | 9.922 | 107 | 235590 | 21.269 | ng/ul# | 79 |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93 | 269579 | 21.748 | ng/ul# | 98 |
| 29) 2,4-Dichlorophenol | 10.398 | 162 | 193240 | 21.765 | ng/ul# | 83 |
| 30) Naphthalene | 10.804 | 128 | 626348 | 22.001 | ng/ul | 97 |
| 32) 4-Chloroaniline | 10.910 | 127 | 292821 | 22.686 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 11.104 | 225 | 138409 | 21.645 | ng/ul | 93 |
| 34) Caprolactam | 11.675 | 113 | 49627m | 16.902 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.034 | 107 | 231194 | 21.491 | ng/ul# | 69 |
| 36) 2-Methylnaphthalene | 12.410 | 142 | 451235 | 21.695 | ng/ul | 93 |

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Misc :
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**Instrument :**
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Supervised By :Yogesh Patel 04/25/2022

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP040722.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 20 01:32:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.628 | 142 | 458663 | 21.841 | ng/ul# | 93 |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216 | 266262 | 21.714 | ng/ul# | 92 |
| 40) Hexachlorocyclopentadiene | 12.769 | 237 | 153957 | 18.093 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.016 | 196 | 164924 | 21.061 | ng/ul# | 84 |
| 42) 2,4,5-Trichlorophenol | 13.087 | 196 | 183272m | 21.656 | ng/ul | |
| 43) 1,1'-Biphenyl | 13.416 | 154 | 640959 | 21.918 | ng/ul | 95 |
| 44) 2-Chloronaphthalene | 13.457 | 162 | 490999 | 21.843 | ng/ul | 93 |
| 45) 2-Nitroaniline | 13.657 | 65 | 152681 | 23.177 | ng/ul# | 83 |
| 47) Dimethylphthalate | 14.034 | 163 | 660325 | 21.792 | ng/ul# | 92 |
| 48) 2,6-Dinitrotoluene | 14.151 | 165 | 130912 | 23.488 | ng/ul | 97 |
| 50) Acenaphthylene | 14.304 | 152 | 806098 | 21.900 | ng/ul | 96 |
| 51) 3-Nitroaniline | 14.475 | 138 | 86340 | 14.901 | ng/ul# | 86 |
| 52) Acenaphthene | 14.645 | 153 | 522774 | 21.692 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.681 | 184 | 52105 | 15.466 | ng/ul# | 80 |
| 55) 4-Nitrophenol | 14.781 | 109 | 104721 | 19.925 | ng/ul# | 50 |
| 56) Dibenzofuran | 14.981 | 168 | 776067 | 21.880 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.934 | 165 | 198665 | 24.274 | ng/ul# | 81 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.204 | 232 | 162639 | 21.078 | ng/ul# | 86 |
| 59) Diethylphthalate | 15.398 | 149 | 667638 | 21.290 | ng/ul# | 93 |
| 61) Fluorene | 15.628 | 166 | 644056 | 22.045 | ng/ul | 92 |
| 62) 4-Chlorophenyl-phenyle... | 15.622 | 204 | 339563 | 21.859 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.639 | 138 | 87596m | 15.093 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198 | 106824 | 20.107 | ng/ul# | 95 |
| 67) N-Nitrosodiphenylamine | 15.834 | 169 | 562168 | 21.767 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.522 | 248 | 206858 | 21.181 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.639 | 284 | 237858 | 21.181 | ng/ul# | 89 |
| 70) Atrazine | 16.786 | 200 | 220593 | 20.693 | ng/ul# | 90 |
| 71) Pentachlorophenol | 16.980 | 266 | 135806 | 17.866 | ng/ul# | 84 |
| 72) Phenanthrene | 17.375 | 178 | 1062627 | 22.065 | ng/ul | 98 |
| 74) Anthracene | 17.469 | 178 | 1067465 | 21.862 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.381 | 216 | 281766 | 21.601 | ng/uL# | 87 |
| 76) Pentachlorobenzene | 14.904 | 250 | 275455 | 21.665 | ng/uL | 91 |
| 77) Carbazole | 17.733 | 167 | 936490 | 21.224 | ng/ul# | 96 |
| 78) Di-n-butylphthalate | 18.286 | 149 | 1174077 | 21.638 | ng/ul# | 92 |
| 80) Fluoranthene | 19.339 | 202 | 1308731 | 21.549 | ng/ul# | 95 |
| 82) Pyrene | 19.692 | 202 | 1353934 | 21.988 | ng/ul# | 93 |
| 83) Butylbenzylphthalate | 20.557 | 149 | 544473 | 21.555 | ng/ul# | 81 |
| 84) 3,3'-Dichlorobenzidine | 21.327 | 252 | 337434 | 16.391 | ng/ul# | 96 |
| 85) Benzo(a)anthracene | 21.398 | 228 | 1329675 | 21.711 | ng/ul | 95 |
| 86) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 814969 | 21.449 | ng/ul# | 82 |
| 87) Chrysene | 21.451 | 228 | 1295774 | 21.928 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.263 | 149 | 1379042 | 20.748 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.121 | 252 | 1342113 | 21.293 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.168 | 252 | 1281243 | 22.277 | ng/ul# | 98 |
| 93) Benzo(a)pyrene | 23.762 | 252 | 1278844 | 21.888 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.439 | 276 | 1332117 | 21.804 | ng/ul# | 94 |
| 95) Dibenzo(a,h)anthracene | 26.456 | 278 | 1152635 | 21.757 | ng/ul# | 96 |
| 96) Benzo(g,h,i)perylene | 27.227 | 276 | 1170221 | 23.230 | ng/ul# | 92 |

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

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