Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012521\
Data File : BP004620.D
Acq On : 25 Jan 2021 12:16
Operator : CG/JU
Sample : L5214-03
Misc : SFAM-MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-SOIL-QT1-2021-01

**Manual Integrations APPROVED**
mohammad
1/26/2021 12:53:41 PM

Quant Time: Jan 25 12:46:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP012221.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 25 10:20:29 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.793 | 152 | 40054 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.593 | 136 | 140089 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.440 | 164 | 107852 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.198 | 188 | 263087 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.281 | 240 | 291297 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.604 | 264 | 279309 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.276 | 96 | 3120m | 3.77 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.687 | 84 | 39807 | 17.81 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.958 | 99 | 107887 | 34.52 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.128 | 67 | 65227 | 37.82 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.328 | 132 | 83016 | 34.73 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.499 | 113 | 87646 | 34.09 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.952 | 128 | 37726 | 34.06 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.675 | 143 | 47752 | 33.04 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.211 | 165 | 102594 | 33.29 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.728 | 131 | 108636 | 33.02 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.857 | 166 | 335936 | 36.63 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.134 | 160 | 395289 | 37.75 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.634 | 143 | 45322 | 32.34 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.440 | 176 | 293698 | 36.23 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200 | 59147 | 31.02 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.298 | 188 | 475761 | 35.98 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.534 | 212 | 583165 | 35.31 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.457 | 264 | 569861 | 36.64 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.311 | 88 | 1245 | 1.44 | ng/uL | 93 |
| 5) Pyridine | 3.717 | 79 | 8532 | 3.78 | ng/ul# | 68 |
| 6) Benzaldehyde | 6.940 | 77 | 7738 | 5.22 | ng/ul | 93 |
| 8) Phenol | 6.987 | 94 | 12501 | 3.94 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.222 | 93 | 10162 | 4.22 | ng/ul | 87 |
| 12) 2-Chlorophenol | 7.358 | 128 | 9360 | 3.94 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.234 | 108 | 9484 | 3.79 | ng/ul | 83 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 10214m | 4.20 | ng/ul | |
| 16) Acetophenone | 8.616 | 105 | 15576 | 3.68 | ng/ul | 94 |
| 17) N-Nitroso-di-n-propyla... | 8.605 | 70 | 8170 | 3.64 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.564 | 108 | 10175 | 3.77 | ng/ul | 83 |
| 19) Hexachloroethane | 8.875 | 117 | 4403 | 3.61 | ng/ul | 90 |
| 22) Nitrobenzene | 8.993 | 77 | 13152 | 3.95 | ng/ul# | 90 |
| 23) Isophorone | 9.522 | 82 | 20997 | 3.46 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.699 | 139 | 5487 | 3.86 | ng/ul# | 88 |
| 26) 2,4-Dimethylphenol | 9.769 | 107 | 12011 | 3.80 | ng/ul# | 91 |
| 27) Bis(2-Chloroethoxy)met... | 10.011 | 93 | 12269 | 3.96 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.234 | 162 | 11724 | 4.03 | ng/ul# | 75 |
| 30) Naphthalene | 10.640 | 128 | 30819 | 3.99 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.752 | 127 | 12438 | 3.87 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 10.934 | 225 | 10563 | 4.12 | ng/ul | 97 |
| 34) Caprolactam | 11.546 | 113 | 2413m | 3.02 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.875 | 107 | 10804 | 3.78 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 12.257 | 142 | 24925 | 4.04 | ng/ul | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.475 | 142 | 23576 | 3.98 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216 | 19426 | 4.50 | ng/ul | 90 |
| 40) Hexachlorocyclopentadiene | 12.610 | 237 | 11352 | 3.43 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.863 | 196 | 10060 | 3.77 | ng/ul | 93 |
| 42) 2,4,5-Trichlorophenol | 12.934 | 196 | 10942 | 3.92 | ng/ul | 92 |
| 43) 1,1'-Biphenyl | 13.275 | 154 | 34438 | 4.09 | ng/ul# | 99 |
| 44) 2-Chloronaphthalene | 13.310 | 162 | 28153 | 4.04 | ng/ul | 94 |
| 45) 2-Nitroaniline | 13.516 | 65 | 5968 | 3.12 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.904 | 163 | 36526 | 3.98 | ng/ul# | 99 |
| 48) 2,6-Dinitrotoluene | 14.010 | 165 | 6521 | 3.49 | ng/ul | 99 |
| 50) Acenaphthylene | 14.163 | 152 | 39329 | 3.96 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.346 | 138 | 4863 | 3.93 | ng/ul | 84 |
| 52) Acenaphthene | 14.504 | 153 | 28005 | 3.95 | ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.546 | 184 | 4217m | 3.33 | ng/ul | |
| 55) 4-Nitrophenol | 14.646 | 109 | 6566 | 3.76 | ng/ul# | 71 |
| 56) Dibenzofuran | 14.846 | 168 | 44437 | 4.14 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.804 | 165 | 8994 | 3.43 | ng/ul | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.069 | 232 | 10075 | 3.62 | ng/ul# | 95 |
| 59) Diethylphthalate | 15.275 | 149 | 33147 | 3.71 | ng/ul | 98 |
| 61) Fluorene | 15.493 | 166 | 35696 | 3.95 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.493 | 204 | 21161 | 3.98 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.504 | 138 | 4914 | 4.04 | ng/ul | 86 |
| 66) 4,6-Dinitro-2-methylph... | 15.563 | 198 | 7011 | 3.50 | ng/ul# | 62 |
| 67) N-Nitrosodiphenylamine | 15.704 | 169 | 30688 | 3.88 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.393 | 248 | 14356 | 3.90 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.498 | 284 | 17147 | 4.16 | ng/ul | 95 |
| 70) Atrazine | 16.663 | 200 | 13548 | 3.72 | ng/ul | 94 |
| 71) Pentachlorophenol | 16.840 | 266 | 8756 | 3.31 | ng/ul | 99 |
| 72) Phenanthrene | 17.240 | 178 | 62103 | 4.08 | ng/ul | 99 |
| 74) Anthracene | 17.328 | 178 | 60900 | 3.91 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.234 | 216 | 18056 | 4.18 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.757 | 250 | 18725 | 3.95 | ng/uL | 93 |
| 77) Carbazole | 17.598 | 167 | 49996 | 3.88 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.169 | 149 | 52837 | 3.44 | ng/ul | 99 |
| 80) Fluoranthene | 19.210 | 202 | 78162 | 3.71 | ng/ul | 98 |
| 82) Pyrene | 19.563 | 202 | 80554 | 3.79 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.445 | 149 | 23376 | 3.35 | ng/ul | 88 |
| 84) 3,3'-Dichlorobenzidine | 21.198 | 252 | 23653 | 3.25 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.263 | 228 | 78682 | 3.96 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.204 | 149 | 34731 | 3.46 | ng/ul | 99 |
| 87) Chrysene | 21.316 | 228 | 75834 | 4.01 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.110 | 149 | 57534 | 3.66 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.898 | 252 | 81669 | 4.35 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 22.945 | 252 | 75464 | 4.09 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.498 | 252 | 71919 | 4.22 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 25.992 | 276 | 94246 | 4.26 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 26.010 | 278 | 79641 | 4.22 | ng/ul# | 97 |
| 96) Benzo(g,h,i)perylene | 26.721 | 276 | 79668 | 4.35 | ng/ul | 99 |

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

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