

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
 Data File : BM045257.D  
 Acq On : 15 Apr 2024 23:09  
 Operator : MA/JU  
 Sample : PB160238BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SLCS238

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024

04/17/2024

Supervised By :mohammad  
ahmed

04/18/2024

Quant Time: Apr 15 23:39:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 15 22:24:11 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.587  | 152  | 50733    | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 10.357 | 136  | 208660   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.233 | 164  | 131415   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 16.998 | 188  | 248525   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.203 | 240  | 235155   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12          | 23.409 | 264  | 281850   | 20.000 | ng/u1 | 0.00     |

|                               |        |     |        |        |       |      |
|-------------------------------|--------|-----|--------|--------|-------|------|
| System Monitoring Compounds   |        |     |        |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.175  | 96  | 7870   | 5.793  | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.575  | 84  | 87493  | 23.682 | ng/u1 | 0.00 |
| 7) Phenol-d5                  | 6.769  | 99  | 117089 | 27.224 | ng/u1 | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 6.940  | 67  | 75264  | 29.372 | ng/u1 | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.116  | 132 | 98297  | 29.172 | ng/u1 | 0.00 |
| 15) 4-Methylphenol-d8         | 8.298  | 113 | 93412  | 27.748 | ng/u1 | 0.00 |
| 21) Nitrobenzene-d5           | 8.745  | 128 | 48442  | 30.224 | ng/u1 | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.457  | 143 | 52800  | 31.211 | ng/u1 | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 9.986  | 165 | 98708  | 31.824 | ng/u1 | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.516 | 131 | 128117 | 25.944 | ng/u1 | 0.00 |
| 46) Dimethylphthalate-d6      | 13.663 | 166 | 277584 | 30.337 | ng/u1 | 0.00 |
| 49) Acenaphthylene-d8         | 13.927 | 160 | 319842 | 29.589 | ng/u1 | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.474 | 143 | 44685  | 23.400 | ng/u1 | 0.00 |
| 60) Fluorene-d10              | 15.239 | 176 | 229742 | 28.163 | ng/u1 | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.386 | 200 | 40761  | 27.662 | ng/u1 | 0.00 |
| 73) Anthracene-d10            | 17.098 | 188 | 338551 | 30.282 | ng/u1 | 0.00 |
| 81) Pyrene-d10                | 19.404 | 212 | 379667 | 32.789 | ng/u1 | 0.00 |
| 92) Benzo(a)pyrene-d12        | 23.268 | 264 | 431253 | 31.365 | ng/u1 | 0.00 |

|                               |        |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| Target Compounds              |        |     |        | Qvalue |        |     |
| 2) 1,4-Dioxane                | 3.210  | 88  | 11410  | 8.042  | ng/uL# | 85  |
| 5) Pyridine                   | 3.593  | 79  | 87582  | 22.373 | ng/u1  | 95  |
| 6) Benzaldehyde               | 6.757  | 77  | 69053  | 34.635 | ng/u1  | 96  |
| 8) Phenol                     | 6.793  | 94  | 119706 | 26.877 | ng/u1  | 95  |
| 10) Bis(2-Chloroethyl)ether   | 7.034  | 93  | 95005  | 27.332 | ng/u1  | 96  |
| 12) 2-Chlorophenol            | 7.151  | 128 | 100020 | 28.289 | ng/u1  | 98  |
| 13) 2-Methylphenol            | 8.028  | 108 | 88946  | 27.056 | ng/u1  | 99  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.104  | 45  | 116970 | 28.214 | ng/u1  | 97  |
| 16) Acetophenone              | 8.416  | 105 | 147444 | 26.939 | ng/u1  | 98  |
| 17) N-Nitroso-di-n-propyla... | 8.398  | 70  | 77346  | 29.930 | ng/u1# | 92  |
| 18) 4-Methylphenol            | 8.357  | 108 | 97957  | 27.645 | ng/u1  | 100 |
| 19) Hexachloroethane          | 8.634  | 117 | 46216  | 29.719 | ng/u1  | 96  |
| 22) Nitrobenzene              | 8.787  | 77  | 116805 | 29.704 | ng/u1  | 95  |
| 23) Isophorone                | 9.310  | 82  | 212593 | 29.425 | ng/u1  | 98  |
| 25) 2-Nitrophenol             | 9.492  | 139 | 56196  | 29.929 | ng/u1  | 94  |
| 26) 2,4-Dimethylphenol        | 9.551  | 107 | 92084  | 25.437 | ng/u1  | 97  |
| 27) Bis(2-Chloroethoxy)met... | 9.792  | 93  | 129815 | 30.309 | ng/u1  | 98  |
| 29) 2,4-Dichlorophenol        | 10.010 | 162 | 96892  | 30.919 | ng/u1  | 97  |
| 30) Naphthalene               | 10.404 | 128 | 312032 | 28.249 | ng/u1  | 99  |
| 32) 4-Chloroaniline           | 10.539 | 127 | 114132 | 23.752 | ng/u1  | 99  |
| 33) Hexachlorobutadiene       | 10.669 | 225 | 57394  | 29.457 | ng/u1  | 93  |
| 34) Caprolactam               | 11.345 | 113 | 25275m | 23.890 | ng/u1  |     |
| 35) 4-Chloro-3-methylphenol   | 11.663 | 107 | 91822  | 29.476 | ng/u1  | 99  |
| 36) 2-Methylnaphthalene       | 12.028 | 142 | 213548 | 29.609 | ng/u1  | 99  |

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 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

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 BNA\_M  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 15 22:24:11 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/17/2024  
 Supervised By :mohammad ahmed 04/18/2024

04/17/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |            |
|-------------------------------|--------|------|----------|--------|--------|----------|------------|
| 37) 1-Methylnaphthalene       | 12.251 | 142  | 217280   | 29.771 | ng/ul  | 99       | 04/18/2024 |
| 39) 1,2,4,5-Tetrachloroben... | 12.398 | 216  | 108453   | 30.176 | ng/ul  | 98       |            |
| 40) Hexachlorocyclopentadiene | 12.363 | 237  | 57335    | 26.354 | ng/ul  | 98       |            |
| 41) 2,4,6-Trichlorophenol     | 12.657 | 196  | 70507    | 30.074 | ng/ul  | 99       |            |
| 42) 2,4,5-Trichlorophenol     | 12.727 | 196  | 74619    | 28.886 | ng/ul  | 99       |            |
| 43) 1,1'-Biphenyl             | 13.063 | 154  | 278539   | 30.016 | ng/ul  | 99       |            |
| 44) 2-Chloronaphthalene       | 13.098 | 162  | 214279   | 28.422 | ng/ul  | 98       |            |
| 45) 2-Nitroaniline            | 13.333 | 65   | 60577    | 29.107 | ng/ul  | 95       |            |
| 47) Dimethylphthalate         | 13.710 | 163  | 269177   | 28.145 | ng/ul  | 98       |            |
| 48) 2,6-Dinitrotoluene        | 13.839 | 165  | 51858    | 27.664 | ng/ul# | 83       |            |
| 50) Acenaphthylene            | 13.957 | 152  | 351521   | 27.843 | ng/ul  | 99       |            |
| 51) 3-Nitroaniline            | 14.174 | 138  | 50407    | 24.652 | ng/ul  | 93       |            |
| 52) Acenaphthene              | 14.298 | 153  | 234544   | 27.841 | ng/ul  | 98       |            |
| 53) 2,4-Dinitrophenol         | 14.392 | 184  | 25216    | 22.626 | ng/ul  | 89       |            |
| 55) 4-Nitrophenol             | 14.486 | 109  | 41037    | 24.435 | ng/ul  | 87       |            |
| 56) Dibenzofuran              | 14.639 | 168  | 316030   | 27.414 | ng/ul  | 97       |            |
| 57) 2,4-Dinitrotoluene        | 14.639 | 165  | 73669    | 26.255 | ng/ul# | 82       |            |
| 58) 2,3,4,6-Tetrachlorophenol | 14.874 | 232  | 62087    | 28.083 | ng/ul# | 96       |            |
| 59) Diethylphthalate          | 15.086 | 149  | 284373   | 29.145 | ng/ul  | 99       |            |
| 61) Fluorene                  | 15.292 | 166  | 252972   | 26.036 | ng/ul  | 99       |            |
| 62) 4-Chlorophenyl-phenyle... | 15.298 | 204  | 118426   | 26.004 | ng/ul  | 96       |            |
| 63) 4-Nitroaniline            | 15.351 | 138  | 47579m   | 25.594 | ng/ul  |          |            |
| 66) 4,6-Dinitro-2-methylph... | 15.398 | 198  | 42588    | 26.987 | ng/ul  | 93       |            |
| 67) N-Nitrosodiphenylamine    | 15.516 | 169  | 216800   | 32.338 | ng/ul  | 99       |            |
| 68) 4-Bromophenyl-phenylether | 16.192 | 248  | 77383    | 31.970 | ng/ul  | 97       |            |
| 69) Hexachlorobenzene         | 16.292 | 284  | 91987    | 29.216 | ng/ul  | 97       |            |
| 70) Atrazine                  | 16.486 | 200  | 71672    | 29.063 | ng/ul  | 99       |            |
| 71) Pentachlorophenol         | 16.645 | 266  | 51368    | 26.858 | ng/ul  | 94       |            |
| 72) Phenanthrene              | 17.039 | 178  | 391271   | 29.256 | ng/ul  | 99       |            |
| 74) Anthracene                | 17.133 | 178  | 397222   | 29.035 | ng/ul  | 100      |            |
| 75) 1,2,3,4-Tetrachloroben... | 13.016 | 216  | 105319   | 33.623 | ng/uL  | 97       |            |
| 76) Pentachlorobenzene        | 14.551 | 250  | 108723   | 32.622 | ng/uL  | 98       |            |
| 77) Carbazole                 | 17.415 | 167  | 351061   | 26.613 | ng/ul  | 99       |            |
| 78) Di-n-butylphthalate       | 17.986 | 149  | 492391   | 33.098 | ng/ul  | 99       |            |
| 80) Fluoranthene              | 19.068 | 202  | 437128   | 32.008 | ng/ul  | 98       |            |
| 82) Pyrene                    | 19.433 | 202  | 469688   | 31.870 | ng/ul  | 99       |            |
| 83) Butylbenzylphthalate      | 20.356 | 149  | 216119   | 35.001 | ng/ul  | 93       |            |
| 84) 3,3'-Dichlorobenzidine    | 21.139 | 252  | 141878   | 27.135 | ng/ul  | 98       |            |
| 85) Benzo(a)anthracene        | 21.192 | 228  | 451615   | 28.304 | ng/ul  | 99       |            |
| 86) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 341970   | 35.431 | ng/ul  | 98       |            |
| 87) Chrysene                  | 21.245 | 228  | 430110   | 28.916 | ng/ul  | 98       |            |
| 89) Di-n-octyl phthalate      | 22.015 | 149  | 595996   | 33.609 | ng/ul  | 100      |            |
| 90) Benzo(b)fluoranthene      | 22.750 | 252  | 479989   | 29.219 | ng/ul  | 99       |            |
| 91) Benzo(k)fluoranthene      | 22.792 | 252  | 504750   | 30.527 | ng/ul  | 99       |            |
| 93) Benzo(a)pyrene            | 23.309 | 252  | 430483   | 26.926 | ng/ul  | 100      |            |
| 94) Indeno(1,2,3-cd)pyrene    | 25.609 | 276  | 638353   | 30.824 | ng/ul  | 99       |            |
| 95) Dibenzo(a,h)anthracene    | 25.627 | 278  | 523336   | 30.225 | ng/ul  | 97       |            |
| 96) Benzo(g,h,i)perylene      | 26.280 | 276  | 494670   | 30.278 | ng/ul  | 98       |            |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
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