

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082322\  
 Data File : VD074199.D  
 Acq On : 23 Aug 2022 23:34  
 Operator : VA/SY  
 Sample : VD0823SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0823SBS02

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/24/2022  
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 06:23:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 23 13:12:17 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 149836     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.856          | 114  | 248397     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 238514     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 121218     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 72886      | 47.604  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 95.200% |        |          |
| 35) Dibromofluoromethane     | 7.909          | 113  | 79061      | 47.584  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 95.160% |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 244994     | 45.816  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 91.640% |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 104393     | 49.417  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 98.840% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 30691      | 24.409  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 15919      | 17.770  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.344          | 62   | 16453      | 17.495  | ug/l   | 99       |
| 5) Bromomethane              | 2.756          | 94   | 11061      | 18.212  | ug/l   | 93       |
| 6) Chloroethane              | 2.915          | 64   | 12131      | 19.877  | ug/l # | 87       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 53880      | 19.721  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.703          | 74   | 14811      | 20.174  | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 32871      | 19.885  | ug/l   | 94       |
| 10) Methyl Iodide            | 4.291          | 142  | 32529      | 17.022  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.226          | 59   | 13118      | 137.585 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 4.056          | 96   | 27758      | 18.776  | ug/l   | 90       |
| 13) Acrolein                 | 3.915          | 56   | 5535       | 132.110 | ug/l   | 99       |
| 14) Allyl chloride           | 4.709          | 41   | 45029      | 19.455  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.409          | 53   | 37994      | 111.299 | ug/l   | 99       |
| 16) Acetone                  | 4.156          | 43   | 31364      | 107.521 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.397          | 76   | 66681      | 15.433  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.715          | 43   | 20157      | 22.654  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 73514      | 20.764  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.956          | 84   | 59878      | 29.785  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.468          | 96   | 32252      | 18.657  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.362          | 45   | 102911     | 21.680  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.297          | 43   | 256809     | 102.142 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 64186      | 20.510  | ug/l   | 98       |
| 25) 2-Butanone               | 7.209          | 43   | 49635      | 109.914 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 53745      | 19.061  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.197          | 96   | 38583      | 19.861  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.538          | 49   | 20872      | 22.065  | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.562          | 42   | 30110      | 110.485 | ug/l   | 90       |
| 30) Chloroform               | 7.703          | 83   | 70993      | 21.516  | ug/l   | 97       |
| 31) Cyclohexane              | 7.979          | 56   | 48206      | 17.689  | ug/l # | 78       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 61046      | 19.966  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.109          | 75   | 46320      | 18.445  | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.285          | 43   | 21346      | 21.559  | ug/l # | 78       |
| 38) Carbon Tetrachloride     | 8.085          | 117  | 51405      | 19.056  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.350          | 83   | 49766      | 17.208  | ug/l   | 94       |
| 40) Benzene                  | 8.344          | 78   | 139824     | 19.753  | ug/l   | 98       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VD0823SBS02

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/24/2022  
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 06:23:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 23 13:12:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.509  | 41   | 13053    | 21.931  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 43135    | 20.673  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 43792    | 21.988  | ug/l   | 96       |
| 44) Trichloroethene           | 9.103  | 130  | 39548    | 19.271  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 36469    | 20.639  | ug/l   | 99       |
| 46) Dibromomethane            | 9.467  | 93   | 20945    | 21.247  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.656  | 83   | 55470    | 21.634  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.450  | 41   | 18334    | 19.912  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 9.456  | 88   | 4658     | 416.416 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 112336   | 112.899 | ug/l   | 96       |
| 52) Toluene                   | 10.391 | 92   | 89336    | 19.199  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 47080    | 20.248  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 55436    | 20.108  | ug/l   | 88       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 30491    | 22.615  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.650 | 69   | 32178    | 20.892  | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 48408    | 21.486  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 52986    | 113.650 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.973 | 43   | 76158    | 113.520 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.126 | 129  | 36965    | 21.112  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 27733    | 21.088  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.861 | 164  | 32384    | 18.606  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.655 | 112  | 100534   | 19.340  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 39559    | 20.242  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.732 | 91   | 170061   | 19.116  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 136123   | 38.416  | ug/l   | 96       |
| 69) o-Xylene                  | 12.167 | 106  | 62275    | 19.047  | ug/l   | 95       |
| 70) Styrene                   | 12.185 | 104  | 111957   | 19.972  | ug/l   | 97       |
| 71) Bromoform                 | 12.344 | 173  | 22409    | 21.084  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 165661   | 18.874  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 40184    | 21.047  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 35502    | 22.648  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 22760m   | 19.229  | ug/l   |          |
| 77) Bromobenzene              | 12.744 | 156  | 41367    | 19.893  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.802 | 91   | 204580   | 19.058  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 122388   | 19.745  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 145753   | 19.330  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 8841     | 19.209  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 128257   | 19.560  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 121161   | 19.075  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 146913   | 20.020  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 185567   | 19.328  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.497 | 119  | 152137   | 19.205  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.497 | 146  | 81215    | 19.308  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 83416    | 19.684  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.826 | 91   | 142981   | 19.043  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.091 | 117  | 31097    | 19.349  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 73890    | 20.203  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 5840     | 22.757  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.138 | 180  | 40592    | 18.185  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 23990    | 19.151  | ug/l   | 97       |
| 95) Naphthalene               | 15.379 | 128  | 80799    | 20.080  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 37513    | 19.270  | ug/l   | 98       |

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Sample : VD0823SBSD02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0823SBSD02

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/24/2022  
Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 06:23:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 23 13:12:17 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

