

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042423\  
 Data File : VD075791.D  
 Acq On : 24 Apr 2023 13:01  
 Operator : KP/SY  
 Sample : VD0424SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0424SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 04/25/2023  
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 24 16:08:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 204567              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 363990              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 334953              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 166789              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 99191               | 51.084  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.160% |         |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 122436              | 50.011  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.020% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 477451              | 48.700  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 97.400%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 132990              | 51.035  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 102.060% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 40102               | 21.098  | ug/l   | 93       |
| 3) Chloromethane             | 2.146          | 50   | 63212               | 18.418  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.281          | 62   | 81420               | 17.877  | ug/l   | 94       |
| 5) Bromomethane              | 2.687          | 94   | 63430               | 17.837  | ug/l   | 100      |
| 6) Chloroethane              | 2.834          | 64   | 55576               | 18.124  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 73505               | 20.830  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.593          | 74   | 22094               | 20.116  | ug/l   | 68       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963          | 101  | 45756               | 20.677  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.163          | 142  | 61730               | 20.383  | ug/l # | 88       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 8859                | 90.908  | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 46148               | 20.141  | ug/l   | 88       |
| 13) Acrolein                 | 3.799          | 56   | 15423               | 78.462  | ug/l   | 96       |
| 14) Allyl chloride           | 4.563          | 41   | 42682               | 20.454  | ug/l # | 79       |
| 15) Acrylonitrile            | 5.263          | 53   | 44572               | 108.653 | ug/l   | 95       |
| 16) Acetone                  | 4.022          | 43   | 36182               | 101.713 | ug/l # | 74       |
| 17) Carbon Disulfide         | 4.269          | 76   | 134062              | 17.880  | ug/l # | 94       |
| 18) Methyl Acetate           | 4.563          | 43   | 25572               | 21.317  | ug/l # | 68       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 89886               | 20.214  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.799          | 84   | 94319               | 32.679  | ug/l # | 73       |
| 21) trans-1,2-Dichloroethene | 5.310          | 96   | 53941               | 19.767  | ug/l # | 79       |
| 22) Diisopropyl ether        | 6.210          | 45   | 104385              | 22.138  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.157          | 43   | 236370              | 107.924 | ug/l # | 85       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 83223               | 21.300  | ug/l   | 98       |
| 25) 2-Butanone               | 7.087          | 43   | 46349               | 101.195 | ug/l # | 80       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 68743               | 19.407  | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 60560               | 20.034  | ug/l   | 79       |
| 28) Bromochloromethane       | 7.434          | 49   | 27412               | 22.194  | ug/l # | 46       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 26337               | 105.151 | ug/l # | 62       |
| 30) Chloroform               | 7.598          | 83   | 93462               | 21.100  | ug/l   | 96       |
| 31) Cyclohexane              | 7.881          | 56   | 57154               | 18.757  | ug/l # | 80       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 73412               | 20.326  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 61961               | 18.345  | ug/l   | 92       |
| 37) Ethyl Acetate            | 7.169          | 43   | 20934               | 20.367  | ug/l # | 99       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 57879               | 19.460  | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.275          | 83   | 71318               | 18.261  | ug/l   | 90       |
| 40) Benzene                  | 8.251          | 78   | 206934              | 19.709  | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0424SBS01

Manual Integrations  
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 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 24 16:08:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.398  | 41   | 9551     | 19.364  | ug/l # | 61       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 47967    | 20.113  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 36700    | 19.581  | ug/l # | 78       |
| 44) Trichloroethene           | 9.028  | 130  | 59766    | 20.113  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 47713    | 20.278  | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 28970    | 19.408  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.587  | 83   | 69270    | 20.287  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 17501    | 20.958  | ug/l # | 61       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 5936     | 400.824 | ug/l # | 65       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 97994    | 98.060  | ug/l # | 81       |
| 52) Toluene                   | 10.334 | 92   | 132973   | 19.046  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 60862    | 18.595  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 76600    | 19.697  | ug/l # | 77       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 43006    | 19.899  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 38629    | 18.162  | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 63615    | 19.388  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 87809    | 96.129  | ug/l # | 87       |
| 59) 2-Hexanone                | 10.922 | 43   | 68777    | 97.883  | ug/l   | 76       |
| 60) Dibromochloromethane      | 11.075 | 129  | 48438    | 19.153  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 37989    | 18.426  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 46972    | 19.472  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 148669   | 20.722  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 51848    | 21.022  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.686 | 91   | 229076   | 19.674  | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.792 | 106  | 193610   | 40.574  | ug/l   | 90       |
| 69) o-Xylene                  | 12.122 | 106  | 88098    | 20.418  | ug/l   | 90       |
| 70) Styrene                   | 12.139 | 104  | 155225   | 19.871  | ug/l   | 93       |
| 71) Bromoform                 | 12.304 | 173  | 27780    | 21.547  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.422 | 105  | 222539   | 20.330  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 33336    | 20.725  | ug/l # | 73       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 44037    | 20.710  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 25504m   | 18.751  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 60340    | 21.382  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.763 | 91   | 270928   | 20.192  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 152865   | 20.087  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 187814   | 20.581  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 12368    | 19.708  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 159624   | 20.172  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 155371   | 20.193  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 190631   | 20.819  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 237066   | 19.971  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 193435   | 19.575  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 118046   | 20.107  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 118366   | 20.408  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 175434   | 19.273  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.057 | 117  | 39722    | 20.231  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 105278   | 20.934  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 5844     | 20.501  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 58041    | 19.838  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 26446    | 18.911  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 108631   | 19.598  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 51952    | 20.174  | ug/l   | 98       |

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Sample : VD0424SBSD01  
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ALS Vial : 6 Sample Multiplier: 1

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MSVOA\_D  
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VD0424SBSD01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 04/25/2023  
Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 24 16:08:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration

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

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

