

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020723\  
 Data File : VD075259.D  
 Acq On : 07 Feb 2023 12:39  
 Operator : KP/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Quant Time: Feb 08 03:27:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 03:23:17 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/08/2023  
 Supervised By :Mahesh Dadoda 02/08/2023

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 63127                | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 100433               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 91663                | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 45786                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 98492                | 133.058 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 266.120%# |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 100703               | 142.997 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 286.000%# |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 383186               | 143.477 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 286.960%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 128764               | 146.218 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 292.440%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 73565                | 152.210 | ug/l   | 95       |
| 3) Chloromethane             | 2.146          | 50   | 121101               | 149.693 | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.281          | 62   | 138786               | 132.150 | ug/l   | 97       |
| 5) Bromomethane              | 2.669          | 94   | 92211                | 137.228 | ug/l   | 100      |
| 6) Chloroethane              | 2.822          | 64   | 97547                | 134.639 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.169          | 101  | 181483               | 138.981 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.593          | 74   | 50193                | 142.987 | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963          | 101  | 107235               | 144.715 | ug/l   | 98       |
| 10) Methyl Iodide            | 4.163          | 142  | 140179               | 150.595 | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 27809                | 738.982 | ug/l # | 80       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 101860               | 144.167 | ug/l   | 95       |
| 13) Acrolein                 | 3.799          | 56   | 14165                | 746.290 | ug/l   | 93       |
| 14) Allyl chloride           | 4.563          | 41   | 173609               | 147.685 | ug/l   | 94       |
| 15) Acrylonitrile            | 5.258          | 53   | 115245               | 723.036 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 146725               | 749.636 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.269          | 76   | 292202               | 134.052 | ug/l   | 100      |
| 18) Methyl Acetate           | 4.563          | 43   | 72155                | 144.043 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 236249               | 145.640 | ug/l   | 95       |
| 20) Methylene Chloride       | 4.799          | 84   | 112431               | 148.193 | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 112477               | 140.679 | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.216          | 45   | 346256               | 148.086 | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.157          | 43   | 640472m              | 648.565 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 205524               | 140.984 | ug/l   | 98       |
| 25) 2-Butanone               | 7.081          | 43   | 174284               | 718.630 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 190654               | 147.753 | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 127167               | 142.166 | ug/l   | 97       |
| 28) Bromochloromethane       | 7.422          | 49   | 50913                | 147.713 | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.440          | 42   | 93522                | 716.122 | ug/l   | 96       |
| 30) Chloroform               | 7.599          | 83   | 209036               | 139.316 | ug/l   | 95       |
| 31) Cyclohexane              | 7.881          | 56   | 182865               | 139.125 | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 195677               | 145.795 | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 163435               | 148.980 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 65007                | 135.872 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 161788               | 159.155 | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.275          | 83   | 195823               | 154.216 | ug/l   | 97       |
| 40) Benzene                  | 8.251          | 78   | 447383               | 145.102 | ug/l   | 100      |

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 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Quant Time: Feb 08 03:27:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 03:23:17 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/08/2023  
 Supervised By :Mahesh Dadoda 02/08/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 43802    | 132.729  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 128715   | 144.195  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 134749   | 147.395  | ug/l   | 95       |
| 44) Trichloroethene           | 9.028  | 130  | 122721   | 144.393  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 113875   | 145.428  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 60772    | 140.049  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 158446   | 146.713  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 65824    | 151.610  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 12279    | 2931.422 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 347344   | 751.535  | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 292336   | 150.532  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 148533   | 158.781  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 176688   | 157.978  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 81458    | 147.055  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 102667   | 159.428  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 138267   | 146.526  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 147538   | 746.425  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 260865   | 772.563  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 103201   | 150.374  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 75818    | 141.949  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 101484   | 143.750  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.610 | 112  | 303213   | 146.681  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 112107   | 148.958  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 590346   | 154.688  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 446724   | 307.724  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 210390   | 155.153  | ug/l   | 93       |
| 70) Styrene                   | 12.140 | 104  | 352484   | 153.453  | ug/l   | 96       |
| 71) Bromoform                 | 12.304 | 173  | 60485    | 149.619  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 575817   | 155.241  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 131722   | 158.035  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 89025    | 137.955  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 81635m   | 106.931  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 119965   | 142.830  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.769 | 91   | 707781   | 153.353  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 382917   | 151.255  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 483976   | 156.707  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 24264    | 147.195  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 400280   | 151.573  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 414442   | 155.656  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 480285   | 155.701  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 642302   | 157.250  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 534612   | 160.002  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 247628   | 145.865  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 240688   | 141.689  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.792 | 91   | 514638   | 157.767  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 98088    | 148.906  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 211246   | 143.412  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 14555    | 145.417  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 137325   | 148.856  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 76140    | 156.433  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 257146   | 149.757  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 118588   | 148.984  | ug/l   | 99       |

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 02/08/2023  
Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 08 03:27:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 03:23:17 2023  
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

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