

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031424\  
 Data File : VD078662.D  
 Acq On : 14 Mar 2024 12:16  
 Operator : RP/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 15 05:28:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:17:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/15/2024  
 Supervised By :Semsettin Yesilyurt 03/15/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 164200               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 270370               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 262790               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 141226               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 211668               | 137.552 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 275.100%# |         |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 255912               | 147.011 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 294.020%# |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 997050               | 155.739 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 311.480%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 301428               | 160.938 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 321.880%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 201854               | 132.084 | ug/l   | 98       |
| 3) Chloromethane             | 2.152          | 50   | 307683               | 127.512 | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.287          | 62   | 478161               | 134.331 | ug/l   | 95       |
| 5) Bromomethane              | 2.675          | 94   | 494549               | 145.109 | ug/l   | 98       |
| 6) Chloroethane              | 2.834          | 64   | 389498               | 140.312 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 372927               | 132.430 | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 120168               | 146.155 | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 231414               | 130.941 | ug/l   | 98       |
| 10) Methyl Iodide            | 4.163          | 142  | 341734               | 163.467 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.057          | 59   | 52754                | 766.036 | ug/l # | 75       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 238590               | 142.014 | ug/l   | 92       |
| 13) Acrolein                 | 3.799          | 56   | 61746                | 572.368 | ug/l   | 99       |
| 14) Allyl chloride           | 4.563          | 41   | 267338               | 142.609 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.257          | 53   | 241679               | 729.169 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 209642               | 704.520 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.269          | 76   | 754147               | 136.927 | ug/l   | 100      |
| 18) Methyl Acetate           | 4.563          | 43   | 98012                | 153.479 | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 536626               | 158.386 | ug/l   | 97       |
| 20) Methylene Chloride       | 4.798          | 84   | 277170               | 145.975 | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 290761               | 146.671 | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.216          | 45   | 609790               | 143.073 | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.157          | 43   | 1922181              | 771.011 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 442285               | 138.411 | ug/l   | 99       |
| 25) 2-Butanone               | 7.081          | 43   | 285801               | 722.416 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 387473               | 143.321 | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 344370               | 152.305 | ug/l   | 96       |
| 28) Bromochloromethane       | 7.428          | 49   | 151263               | 132.777 | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.445          | 42   | 162040               | 753.049 | ug/l   | 95       |
| 30) Chloroform               | 7.598          | 83   | 492482               | 138.227 | ug/l   | 100      |
| 31) Cyclohexane              | 7.881          | 56   | 343082               | 132.645 | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.792          | 97   | 426130               | 140.968 | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 375089               | 148.506 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 115268               | 139.697 | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.992          | 117  | 389618               | 146.323 | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.275          | 83   | 457014               | 155.980 | ug/l   | 97       |
| 40) Benzene                  | 8.251          | 78   | 1135479              | 148.720 | ug/l   | 99       |

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 Operator : RP/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 03/15/2024  
 Supervised By :Semsettin Yesilyurt 03/15/2024

Quant Time: Mar 15 05:28:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:17:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 62437    | 138.935  | ug/l # | 95       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 267126   | 143.466  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 225870   | 150.522  | ug/l   | 100      |
| 44) Trichloroethene           | 9.028  | 130  | 308194   | 148.742  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 265735   | 146.720  | ug/l   | 100      |
| 46) Dibromomethane            | 9.392  | 93   | 160534   | 147.861  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.586  | 83   | 387056   | 149.753  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 110408   | 151.004  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.386  | 88   | 30404    | 3024.521 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 602923   | 768.550  | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 772209   | 157.097  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 368645   | 155.998  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 436320   | 153.588  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.733 | 97   | 219272   | 150.817  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 242706   | 166.522  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 352171   | 150.117  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 506402   | 787.966  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 443874   | 763.258  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 280581   | 156.489  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 213687   | 151.872  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 266744   | 153.386  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.604 | 112  | 822454   | 149.769  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 320942   | 159.582  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.686 | 91   | 1518538  | 162.274  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 1254324  | 330.090  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 584304   | 166.192  | ug/l   | 98       |
| 70) Styrene                   | 12.133 | 104  | 1000596  | 169.560  | ug/l   | 100      |
| 71) Bromoform                 | 12.298 | 173  | 168970   | 155.466  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 1460287  | 157.047  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.233 | 43   | 228022   | 151.040  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 240554   | 139.751  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 160318m  | 147.642  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 355205   | 154.037  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.763 | 91   | 1733419  | 153.152  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 926645   | 149.240  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 1208473  | 157.164  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 79716    | 153.574  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 977254   | 148.805  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 1073115  | 161.855  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1262378  | 162.910  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 1583790  | 157.851  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 1437875  | 167.402  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 770099   | 158.255  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 720597   | 150.257  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 1226060  | 158.054  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 254910   | 143.427  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 631240   | 150.615  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 30966    | 134.480  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 396109   | 161.946  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 205051   | 154.850  | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 724155   | 170.286  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.521 | 180  | 340965   | 161.133  | ug/l   | 98       |

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Operator : RP/MD  
Sample : VSTDICC150  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/15/2024  
Supervised By :Semsettin Yesilyurt 03/15/2024

Quant Time: Mar 15 05:28:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:17:07 2024  
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

