

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041323\  
 Data File : VD075662.D  
 Acq On : 13 Apr 2023 16:01  
 Operator : KP/SY  
 Sample : VD0413SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0413SBS01

Quant Time: Apr 14 01:34:43 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

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 196526              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 346483              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 324760              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 163733              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 98795               | 52.961  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 105.920% |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 120790              | 51.831  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 103.660% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 483158              | 51.772  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 103.540% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 135384              | 54.578  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 109.160% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 38095               | 20.862  | ug/l   | 96       |
| 3) Chloromethane             | 2.146          | 50   | 77345               | 23.457  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.275          | 62   | 93087               | 21.275  | ug/l   | 94       |
| 5) Bromomethane              | 2.669          | 94   | 65325               | 19.122  | ug/l   | 98       |
| 6) Chloroethane              | 2.828          | 64   | 62987               | 21.381  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.163          | 101  | 71963               | 21.227  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.587          | 74   | 22400               | 21.229  | ug/l   | 66       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958          | 101  | 44031               | 20.711  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.158          | 142  | 56553               | 19.437  | ug/l   | 90       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 11585               | 123.746 | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 45153               | 20.513  | ug/l # | 83       |
| 13) Acrolein                 | 3.793          | 56   | 20322               | 107.615 | ug/l   | 97       |
| 14) Allyl chloride           | 4.552          | 41   | 41493               | 20.698  | ug/l # | 78       |
| 15) Acrylonitrile            | 5.257          | 53   | 42734               | 108.434 | ug/l   | 97       |
| 16) Acetone                  | 4.016          | 43   | 34953               | 102.279 | ug/l # | 80       |
| 17) Carbon Disulfide         | 4.263          | 76   | 149540              | 20.760  | ug/l   | 95       |
| 18) Methyl Acetate           | 4.563          | 43   | 24595               | 21.342  | ug/l # | 69       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 90367               | 21.154  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.793          | 84   | 63307               | 21.300  | ug/l # | 71       |
| 21) trans-1,2-Dichloroethene | 5.310          | 96   | 54914               | 20.947  | ug/l # | 70       |
| 22) Diisopropyl ether        | 6.210          | 45   | 96808               | 21.371  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.152          | 43   | 230425              | 109.514 | ug/l # | 84       |
| 24) 1,1-Dichloroethane       | 6.104          | 63   | 79421               | 21.158  | ug/l   | 96       |
| 25) 2-Butanone               | 7.081          | 43   | 47764               | 108.552 | ug/l # | 67       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 69250               | 20.350  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 58546               | 20.160  | ug/l   | 82       |
| 28) Bromochloromethane       | 7.422          | 49   | 25064               | 21.124  | ug/l # | 52       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 26946               | 111.984 | ug/l # | 55       |
| 30) Chloroform               | 7.593          | 83   | 88697               | 20.844  | ug/l   | 98       |
| 31) Cyclohexane              | 7.875          | 56   | 60535               | 20.680  | ug/l # | 78       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 72235               | 20.818  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.004          | 75   | 63773               | 19.836  | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.169          | 43   | 19458               | 19.887  | ug/l # | 66       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 57879               | 20.443  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.275          | 83   | 73811               | 19.854  | ug/l   | 90       |
| 40) Benzene                  | 8.251          | 78   | 203613              | 20.372  | ug/l   | 98       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Quant Time: Apr 14 01:34:43 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

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 11661m   | 24.836  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 48439    | 21.337  | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 38728    | 21.707  | ug/l # | 77       |
| 44) Trichloroethene           | 9.028  | 130  | 56760    | 20.067  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 45411    | 20.275  | ug/l   | 95       |
| 46) Dibromomethane            | 9.387  | 93   | 30028    | 21.133  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.587  | 83   | 67489    | 20.765  | ug/l   | 88       |
| 48) Methyl methacrylate       | 9.381  | 41   | 15884    | 19.983  | ug/l # | 54       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 6340     | 449.735 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 98898    | 103.965 | ug/l # | 81       |
| 52) Toluene                   | 10.334 | 92   | 130674   | 19.662  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 61288    | 19.671  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 74126    | 20.024  | ug/l # | 75       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 41872    | 20.353  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 38701    | 19.115  | ug/l # | 69       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 63705    | 20.397  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 89030    | 102.390 | ug/l # | 87       |
| 59) 2-Hexanone                | 10.922 | 43   | 69989    | 104.640 | ug/l   | 74       |
| 60) Dibromochloromethane      | 11.075 | 129  | 46412    | 19.279  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 38515    | 19.625  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 44595    | 19.067  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.610 | 112  | 143645   | 20.650  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 48825    | 20.417  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 229308   | 20.312  | ug/l   | 91       |
| 68) m/p-Xylenes               | 11.792 | 106  | 192994   | 41.715  | ug/l   | 92       |
| 69) o-Xylene                  | 12.122 | 106  | 86495    | 20.676  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 153737   | 20.288  | ug/l   | 94       |
| 71) Bromoform                 | 12.298 | 173  | 27157    | 21.725  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 217784   | 20.267  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 33821    | 21.419  | ug/l # | 71       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 45727    | 21.906  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 23951m   | 17.938  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 54581    | 19.702  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 272129   | 20.660  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 149921   | 20.068  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 182818   | 20.408  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 13280    | 21.557  | ug/l # | 71       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 162194   | 20.879  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 150664   | 19.946  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 185810   | 20.671  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 237884   | 20.414  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 197016   | 20.309  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 115314   | 20.008  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 113190   | 19.880  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.786 | 91   | 179216   | 20.056  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 39707    | 20.601  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 98450    | 19.941  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 5807     | 20.752  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 53801    | 18.732  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 25438    | 18.530  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 101975   | 18.741  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 47470    | 18.777  | ug/l   | 97       |

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0413SBS01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 04/14/2023  
Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 01:34:43 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

