

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072924\  
 Data File : VD079442.D  
 Acq On : 29 Jul 2024 18:07  
 Operator : RP/MD  
 Sample : VSTDIC100  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jul 30 03:05:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 02:34:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh  
 Dadoda

07/30/2024  
 Supervised By :Semsettin  
 Yesilyurt

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 285662   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 462812   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 425434   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 210008   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.228  | 65    | 281964   | 97.160   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 194.320%# |      |
| 35) Dibromofluoromethane  | 7.805  | 113   | 300477   | 95.922   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 191.840%# |      |
| 50) Toluene-d8            | 10.269 | 98    | 1253632  | 103.055  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 206.100%# |      |
| 62) 4-Bromofluorobenzene  | 12.569 | 95    | 368071   | 104.559  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 209.120%# |      |

### Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 208051  | 92.953  | ug/l   | 97     |
| 3) Chloromethane             | 2.146 | 50  | 365472  | 88.619  | ug/l   | 96     |
| 4) Vinyl Chloride            | 2.281 | 62  | 455774  | 92.948  | ug/l   | 99     |
| 5) Bromomethane              | 2.670 | 94  | 299917  | 99.512  | ug/l   | 98     |
| 6) Chloroethane              | 2.828 | 64  | 281493  | 89.336  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 3.164 | 101 | 450290  | 92.338  | ug/l   | 93     |
| 8) Diethyl Ether             | 3.593 | 74  | 148562  | 100.852 | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 280408  | 90.916  | ug/l   | 100    |
| 10) Methyl Iodide            | 4.158 | 142 | 398519  | 96.563  | ug/l   | 99     |
| 11) Tert butyl alcohol       | 5.058 | 59  | 75914   | 512.036 | ug/l # | 83     |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 289802  | 93.893  | ug/l   | 90     |
| 13) Acrolein                 | 3.793 | 56  | 119360  | 507.677 | ug/l   | 97     |
| 14) Allyl chloride           | 4.552 | 41  | 403166  | 98.918  | ug/l # | 86     |
| 15) Acrylonitrile            | 5.252 | 53  | 338099  | 491.177 | ug/l   | 98     |
| 16) Acetone                  | 4.022 | 43  | 292813  | 519.180 | ug/l   | 93     |
| 17) Carbon Disulfide         | 4.264 | 76  | 954227  | 93.659  | ug/l   | 99     |
| 18) Methyl Acetate           | 4.564 | 43  | 158301  | 90.402  | ug/l # | 86     |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 650082  | 103.183 | ug/l   | 99     |
| 20) Methylene Chloride       | 4.793 | 84  | 384685  | 98.848  | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene | 5.305 | 96  | 333510  | 96.186  | ug/l   | 88     |
| 22) Diisopropyl ether        | 6.216 | 45  | 900758  | 99.329  | ug/l # | 93     |
| 23) Vinyl Acetate            | 6.152 | 43  | 3604041 | 528.689 | ug/l # | 91     |
| 24) 1,1-Dichloroethane       | 6.105 | 63  | 564372  | 92.868  | ug/l   | 95     |
| 25) 2-Butanone               | 7.081 | 43  | 411318  | 514.417 | ug/l   | 94     |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 465591  | 94.717  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 388882  | 98.121  | ug/l   | 90     |
| 28) Bromochloromethane       | 7.422 | 49  | 250035  | 93.825  | ug/l # | 73     |
| 29) Tetrahydrofuran          | 7.446 | 42  | 257987  | 520.635 | ug/l # | 84     |
| 30) Chloroform               | 7.593 | 83  | 569921  | 92.607  | ug/l   | 97     |
| 31) Cyclohexane              | 7.875 | 56  | 449641  | 93.292  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 472345  | 93.013  | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 422146  | 98.734  | ug/l   | 96     |
| 37) Ethyl Acetate            | 7.169 | 43  | 185432  | 105.780 | ug/l # | 94     |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 423892  | 94.311  | ug/l   | 98     |
| 39) Methylcyclohexane        | 9.269 | 83  | 538676  | 105.594 | ug/l   | 94     |
| 40) Benzene                  | 8.252 | 78  | 1313860 | 96.750  | ug/l   | 94     |

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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :

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 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 02:34:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Dadoda

07/30/2024  
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| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 101739   | 105.511  | ug/l  | # 86     |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 308708   | 95.397   | ug/l  | 96       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 342376   | 103.920  | ug/l  | # 93     |
| 44) Trichloroethene           | 9.028  | 130  | 326747   | 96.656   | ug/l  | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 321086   | 97.158   | ug/l  | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 175870   | 95.994   | ug/l  | 97       |
| 47) Bromodichloromethane      | 9.581  | 83   | 431740   | 95.973   | ug/l  | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 159872   | 108.429  | ug/l  | 84       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 39724    | 2092.511 | ug/l  | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 899936   | 535.021  | ug/l  | 95       |
| 52) Toluene                   | 10.328 | 92   | 848973   | 101.084  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 424157   | 102.100  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 501635   | 100.387  | ug/l  | 95       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 233382   | 96.702   | ug/l  | 95       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 317540   | 111.044  | ug/l  | 91       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 407896   | 99.461   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 742535   | 563.054  | ug/l  | 91       |
| 59) 2-Hexanone                | 10.916 | 43   | 661381   | 563.786  | ug/l  | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 304817   | 96.684   | ug/l  | 98       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 219261   | 96.977   | ug/l  | 95       |
| 64) Tetrachloroethene         | 10.804 | 164  | 279411   | 97.400   | ug/l  | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 924259   | 98.109   | ug/l  | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 306980   | 99.041   | ug/l  | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 1612494  | 104.556  | ug/l  | 97       |
| 68) m/p-Xylenes               | 11.787 | 106  | 1267445  | 207.147  | ug/l  | 94       |
| 69) o-Xylene                  | 12.116 | 106  | 595977   | 106.267  | ug/l  | 92       |
| 70) Styrene                   | 12.134 | 104  | 1031466  | 104.905  | ug/l  | 97       |
| 71) Bromoform                 | 12.298 | 173  | 172463   | 98.425   | ug/l  | # 98     |
| 73) Isopropylbenzene          | 12.416 | 105  | 1499159  | 92.025   | ug/l  | 100      |
| 74) N-amyl acetate            | 12.228 | 43   | 342801   | 110.980  | ug/l  | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 267687   | 98.118   | ug/l  | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 161368m  | 87.583   | ug/l  |          |
| 77) Bromobenzene              | 12.698 | 156  | 349636   | 99.290   | ug/l  | 89       |
| 78) n-propylbenzene           | 12.757 | 91   | 1843468  | 105.013  | ug/l  | 97       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 993372   | 101.627  | ug/l  | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 1230742  | 105.206  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 104543   | 108.620  | ug/l  | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 1030367  | 101.116  | ug/l  | 97       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 1090949  | 92.918   | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1260466  | 92.630   | ug/l  | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 1646228  | 105.800  | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 1418343  | 92.725   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 714184   | 97.911   | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 683272   | 95.279   | ug/l  | 98       |
| 89) n-Butylbenzene            | 13.781 | 91   | 1309350  | 92.800   | ug/l  | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 274276   | 100.780  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 605028   | 97.053   | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 36676    | 101.033  | ug/l  | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 404151   | 102.896  | ug/l  | 99       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 214861   | 101.356  | ug/l  | 96       |
| 95) Naphthalene               | 15.328 | 128  | 764612   | 112.473  | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 351810   | 101.825  | ug/l  | 99       |

07/30/2024

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Sample : VSTDICC100  
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ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 30 03:05:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 02:34:50 2024  
Response via : Initial Calibration

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Manual Integrations  
APPROVED

Reviewed By :Mahesh  
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Yesilyurt

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| Compound                                                                    | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                       |      |      |          |      |       |          |
| (# ) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

