

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051322\  
 Data File : VD073008.D  
 Acq On : 14 May 2022 00:06  
 Operator : VA/SY  
 Sample : N2816-09MSD  
 Misc : 6.34G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS002-1218-01MSD

Quant Time: May 16 05:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/16/2022  
 Supervised By :Mahesh Dadoda 05/16/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 251750              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 435620              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 429285              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 205171              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 181392              | 55.507  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 111.020% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 187086              | 61.151  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 122.300% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 654721              | 59.659  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 119.320% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 230677              | 56.372  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 112.740% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 184446              | 53.019  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 174034              | 48.104  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.344          | 62   | 170039              | 52.378  | ug/l   | 94       |
| 5) Bromomethane              | 2.762          | 94   | 113283              | 56.945  | ug/l   | 96       |
| 6) Chloroethane              | 2.920          | 64   | 106006              | 52.393  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.267          | 101  | 325768              | 57.306  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.709          | 74   | 94159               | 57.775  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 198142              | 58.710  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.297          | 142  | 191241              | 56.463  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.209          | 59   | 82858               | 293.051 | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 176429              | 58.119  | ug/l   | 88       |
| 13) Acrolein                 | 3.926          | 56   | 12560               | 50.509  | ug/l   | 98       |
| 14) Allyl chloride           | 4.714          | 41   | 292580              | 59.698  | ug/l   | 91       |
| 15) Acrylonitrile            | 5.409          | 53   | 211321              | 272.837 | ug/l   | 96       |
| 16) Acetone                  | 4.156          | 43   | 200799              | 332.910 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.403          | 76   | 481382              | 50.433  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.720          | 43   | 126366              | 71.167  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 452463              | 62.174  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.956          | 84   | 242832              | 63.870  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 204106              | 58.626  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.361          | 45   | 664762              | 61.660  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.303          | 43   | 1297780m            | 217.907 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 387087              | 59.760  | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 277013              | 290.929 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 301488              | 55.057  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 241665              | 60.606  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.538          | 49   | 150603              | 62.349  | ug/l   | 85       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 171108              | 281.931 | ug/l   | 93       |
| 30) Chloroform               | 7.703          | 83   | 409205              | 59.705  | ug/l   | 96       |
| 31) Cyclohexane              | 7.979          | 56   | 310146              | 54.292  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.902          | 97   | 351946              | 60.252  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 291356              | 58.568  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.291          | 43   | 110152              | 48.167  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 300910              | 58.271  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.349          | 83   | 321566              | 55.728  | ug/l   | 97       |
| 40) Benzene                  | 8.344          | 78   | 844491              | 58.784  | ug/l   | 97       |

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 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS002-1218-01MSD

Manual Integrations  
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Reviewed By :Krupa Patel 05/16/2022  
 Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 16 05:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 71702    | 52.657   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 246450   | 56.928   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 227382   | 53.870   | ug/l   | 94       |
| 44) Trichloroethene           | 9.108  | 130  | 222874   | 57.989   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 219486   | 58.176   | ug/l   | 100      |
| 46) Dibromomethane            | 9.467  | 93   | 118395   | 56.889   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.655  | 83   | 316637   | 59.142   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 121509   | 58.844   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 27657    | 1180.129 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 639368   | 291.505  | ug/l   | 95       |
| 52) Toluene                   | 10.396 | 92   | 540709   | 60.337   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 278167   | 56.565   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 331099   | 57.952   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 166741   | 59.266   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 183082   | 55.269   | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 284282   | 58.882   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 491256   | 305.878  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.973 | 43   | 435606   | 295.153  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.132 | 129  | 205589   | 58.048   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 155609   | 56.825   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.867 | 164  | 206299   | 65.730   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.661 | 112  | 568801   | 57.286   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 220216   | 59.015   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 1023138  | 59.542   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.843 | 106  | 789949   | 119.343  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 379662   | 61.416   | ug/l   | 94       |
| 70) Styrene                   | 12.185 | 104  | 653260   | 60.992   | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 112831   | 55.792   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 992506   | 62.176   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 196508   | 49.433   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 181396   | 56.294   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 125124m  | 54.692   | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 222867   | 58.795   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.808 | 91   | 1221559  | 60.718   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 698380   | 59.425   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 836327   | 61.788   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 55036    | 55.320   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 726467   | 59.162   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.208 | 119  | 721418   | 62.691   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 820109   | 60.616   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 1078751  | 62.154   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 870520   | 61.175   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 441439   | 57.809   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 436276   | 57.372   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.826 | 91   | 819883   | 59.477   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.090 | 117  | 173724   | 59.593   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 389117   | 58.469   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 27497    | 53.831   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 223515   | 56.711   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 118333   | 54.976   | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 436381   | 60.221   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 197476   | 56.522   | ug/l   | 99       |

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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 05/16/2022  
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Quant Time: May 16 05:18:29 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration

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

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

