

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\  
 Data File : VY001396.D  
 Acq On : 24 Jan 2020 20:22  
 Operator : SY/MD  
 Sample : L1017-07  
 Misc : 5.05G/5ML/MSVOA Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-012420

Quant Time: Jan 25 03:53:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 4092     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 8492     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 8681     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 3524     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 3555     | 79.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 159.68% |          |
| 35) Dibromofluoromethane    | 7.75  | 113  | 2391     | 47.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.94%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 10233    | 52.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.70% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 4059     | 52.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.28% |          |

| Target Compounds              | R.T.  | QIon | Response | Conc     | Units  | Qvalue |
|-------------------------------|-------|------|----------|----------|--------|--------|
| 3) Chloromethane              | 2.12  | 50   | 120      | 2.460    | ug/l # | 43     |
| 5) Bromomethane               | 2.69  | 94   | 101      | 2.949    | ug/l # | 73     |
| 6) Chloroethane               | 2.79  | 64   | 82       | 2.523    | ug/l # | 41     |
| 10) Methyl Iodide             | 4.13  | 142  | 194      | 3.550    | ug/l # | 57     |
| 14) Allyl chloride            | 4.53  | 41   | 78       | 1.007    | ug/l # | 25     |
| 16) Acetone                   | 3.97  | 43   | 24593    | 2154.398 | ug/l   | 98     |
| 18) Methyl Acetate            | 4.54  | 43   | 56       | 1.491    | ug/l # | 51     |
| 20) Methylene Chloride        | 4.77  | 84   | 334      | 2.006    | ug/l # | 73     |
| 25) 2-Butanone                | 7.02  | 43   | 26       | 1.342    | ug/l # | 49     |
| 29) Tetrahydrofuran           | 7.54  | 42   | 47       | 3.728    | ug/l # | 34     |
| 31) Cyclohexane               | 7.79  | 56   | 126      | 1.463    | ug/l # | 21     |
| 36) 1,1-Dichloropropene       | 7.82  | 75   | 297      | 3.702    | ug/l # | 41     |
| 37) Ethyl Acetate             | 7.13  | 43   | 104      | 2.122    | ug/l # | 68     |
| 38) Carbon Tetrachloride      | 7.81  | 117  | 394      | 5.510    | ug/l # | 12     |
| 39) Methylcyclohexane         | 9.19  | 83   | 665      | 6.470    | ug/l # | 51     |
| 41) Methacrylonitrile         | 7.36  | 41   | 50       | 1.977    | ug/l # | 100    |
| 43) Isopropyl Acetate         | 8.32  | 43   | 136      | 1.427    | ug/l # | 53     |
| 47) Bromodichloromethane      | 9.51  | 83   | 172      | 2.204    | ug/l # | 26     |
| 48) Methyl methacrylate       | 9.31  | 41   | 216      | 4.985    | ug/l # | 31     |
| 51) 4-Methyl-2-Pentanone      | 10.07 | 43   | 116      | 2.363    | ug/l # | 36     |
| 52) Toluene                   | 10.25 | 92   | 7236     | 47.452   | ug/l   | 100    |
| 55) 1,1,2-Trichloroethane     | 10.61 | 97   | 72       | 1.494    | ug/l # | 1      |
| 56) Ethyl methacrylate        | 10.50 | 69   | 112      | 1.538    | ug/l # | 80     |
| 57) 1,3-Dichloropropane       | 10.97 | 76   | 301      | 3.586    | ug/l   | 100    |
| 58) 2-Chloroethyl Vinyl ether | 9.67  | 63   | 59       | 2.341    | ug/l # | 47     |
| 59) 2-Hexanone                | 10.86 | 43   | 110      | 3.219    | ug/l   | 96     |
| 60) Dibromochloromethane      | 11.05 | 129  | 221      | 4.101    | ug/l   | 79     |
| 61) 1,2-Dibromoethane         | 11.16 | 107  | 251      | 5.510    | ug/l   | 93     |
| 65) Chlorobenzene             | 11.52 | 112  | 271      | 1.481    | ug/l # | 42     |
| 66) 1,1,1,2-Tetrachloroethane | 11.55 | 131  | 101      | 1.617    | ug/l # | 38     |
| 67) Ethyl Benzene             | 11.60 | 91   | 763      | 2.263    | ug/l # | 75     |
| 68) m/p-Xylenes               | 11.70 | 106  | 569      | 4.518    | ug/l # | 38     |
| 69) o-Xylene                  | 12.02 | 106  | 234      | 1.931    | ug/l   | 73     |
| 74) N-amyl acetate            | 12.17 | 43   | 101      | 1.110    | ug/l # | 43     |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 75) 1,1,2,2-Tetrachloroethane  | 12.57 | 83   | 338      | 5.676   | ug/l # | 86       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 105      | 2.473   | ug/l # | 100      |
| 77) Bromobenzene               | 12.54 | 156  | 35571    | 577.539 | ug/l # | 1        |
| 78) n-propylbenzene            | 12.68 | 91   | 1211     | 3.618   | ug/l   | 93       |
| 79) 2-Chlorotoluene            | 12.93 | 91   | 263      | 1.375   | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 2418     | 107.756 | ug/l # | 25       |
| 82) 4-Chlorotoluene            | 12.93 | 91   | 263      | 1.288   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 1517     | 6.510   | ug/l   | 75       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 965      | 3.471   | ug/l   | 91       |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 398      | 1.625   | ug/l # | 60       |
| 89) n-Butylbenzene             | 13.70 | 91   | 1691     | 6.859   | ug/l # | 83       |
| 90) Hexachloroethane           | 13.97 | 117  | 512      | 11.026  | ug/l # | 15       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.57 | 75   | 464      | 45.152  | ug/l # | 10       |
| 95) Naphthalene                | 15.24 | 128  | 7121     | 42.416  | ug/l # | 85       |

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

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