

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111122\  
 Data File : VY011431.D  
 Acq On : 11 Nov 2022 19:57  
 Operator : KP/MD  
 Sample : N5572-02  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 31916

Quant Time: Nov 14 05:54:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 199194   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 364844   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 235771   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 82920    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 148124   | 88.740   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 177.480%# |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 149161   | 72.951   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 145.900%  |      |
| 50) Toluene-d8              | 10.179 | 98    | 349712   | 44.770   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 89.540%   |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 100786   | 36.993   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 73.980%   |      |

|                            |        |     |        |         |        |     |
|----------------------------|--------|-----|--------|---------|--------|-----|
| Target Compounds           |        |     |        |         | Qvalue |     |
| 11) Tert butyl alcohol     | 4.942  | 59  | 21361  | 83.929  | ug/l   | 99  |
| 16) Acetone                | 3.942  | 43  | 8074   | 18.331  | ug/l # | 89  |
| 17) Carbon Disulfide       | 4.192  | 76  | 56717  | 10.654  | ug/l   | 100 |
| 18) Methyl Acetate         | 4.472  | 43  | 6568   | 4.353   | ug/l # | 90  |
| 20) Methylene Chloride     | 4.704  | 84  | 42840  | 12.234  | ug/l # | 78  |
| 40) Benzene                | 8.155  | 78  | 19454  | 2.053   | ug/l   | 96  |
| 52) Toluene                | 10.240 | 92  | 167376 | 27.658  | ug/l   | 96  |
| 67) Ethyl Benzene          | 11.593 | 91  | 31181  | 3.782   | ug/l   | 95  |
| 68) m/p-Xylenes            | 11.697 | 106 | 51504  | 15.932  | ug/l   | 92  |
| 69) o-Xylene               | 12.026 | 106 | 31618  | 10.370  | ug/l   | 98  |
| 73) Isopropylbenzene       | 12.325 | 105 | 23225  | 4.052   | ug/l   | 98  |
| 78) n-propylbenzene        | 12.672 | 91  | 97171  | 14.210  | ug/l   | 98  |
| 80) 1,3,5-Trimethylbenzene | 12.812 | 105 | 140369 | 29.038  | ug/l   | 99  |
| 84) 1,2,4-Trimethylbenzene | 13.117 | 105 | 596649 | 125.748 | ug/l   | 97  |
| 85) sec-Butylbenzene       | 13.251 | 105 | 85511  | 13.900  | ug/l   | 85  |
| 86) p-Isopropyltoluene     | 13.367 | 119 | 70005  | 13.575  | ug/l   | 97  |
| 89) n-Butylbenzene         | 13.696 | 91  | 224902 | 48.537  | ug/l # | 72  |

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

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