

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045287.D
 Acq On : 12 Oct 2021 12:58
 Operator : SY/MD
 Sample : M3263-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

apatel
 10/15/2021 1:15:31 PM

Quant Time: Oct 13 02:52:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	260285	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	259389	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	121185	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	113635	39.881	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.760%		
7) Chloroethane-d5	1.884	69	97563	43.209	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.420%		
11) 1,1-Dichloroethene-d2	2.559	63	149644	31.273	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.540%		
21) 2-Butanone-d5	4.629	46	209420	92.967	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.970%		
24) Chloroform-d	5.067	84	198835	44.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.360%		
26) 1,2-Dichloroethane-d4	5.703	65	144190	47.302	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.600%		
32) Benzene-d6	5.729	84	420913	46.764	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.520%		
36) 1,2-Dichloropropane-d6	6.694	67	137773	46.944	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.880%		
41) Toluene-d8	7.903	98	362851	46.714	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.420%		
43) trans-1,3-Dichloroprop...	8.182	79	63119	48.349	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.700%		
47) 2-Hexanone-d5	8.639	63	150181	92.340	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.340%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	226590	49.581	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.160%		
66) 1,2-Dichlorobenzene-d4	12.198	152	135235	51.277	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5485	2.201	ug/L	98
3) Chloromethane	1.520	50	7690	2.475	ug/L	97
5) Vinyl chloride	1.604	62	7546	2.479	ug/L #	22
6) Bromomethane	1.829	94	2416	1.655	ug/L	93
8) Chloroethane	1.906	64	4679m	2.450	ug/L	
9) Trichlorofluoromethane	2.121	101	7930	2.276	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	6148	2.796	ug/L #	86
12) 1,1-Dichloroethene	2.572	96	5840	2.897	ug/L #	1
13) Acetone	2.636	43	8838	3.394	ug/L	97
14) Carbon disulfide	2.784	76	14439	2.236	ug/L	100
15) Methyl Acetate	2.954	43	8744	2.723	ug/L	99
16) Methylene chloride	3.047	84	7405	2.900	ug/L	90
17) trans-1,2-Dichloroethene	3.353	96	4930	2.322	ug/L	99
18) Methyl tert-butyl Ether	3.372	73	18209	2.601	ug/L	97
19) 1,1-Dichloroethane	3.871	63	10856	2.458	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	5740	2.453	ug/L	100
22) 2-Butanone	4.716	43	11248	3.860	ug/L	95
23) Bromochloromethane	4.980	128	2961	2.496	ug/L	92
25) Chloroform	5.089	83	13840	3.152	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045287.D
 Acq On : 12 Oct 2021 12:58
 Operator : SY/MD
 Sample : M3263-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

apatel
 10/15/2021 1:15:31 PM

Quant Time: Oct 13 02:52:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	9408	2.561	ug/L	96
29) Cyclohexane	5.391	56	8525	2.186	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	8260	2.300	ug/L	98
31) Carbon tetrachloride	5.523	117	6160	2.172	ug/L	97
33) Benzene	5.777	78	23713	2.465	ug/L	100
34) Trichloroethene	6.546	95	5529	2.393	ug/L	95
35) Methylcyclohexane	6.764	83	8569	2.215	ug/L	98
37) 1,2-Dichloropropane	6.793	63	6578	2.511	ug/L	98
38) Bromodichloromethane	7.108	83	7656	2.384	ug/L	95
39) cis-1,3-Dichloropropene	7.613	75	8883	2.370	ug/L	95
40) 4-Methyl-2-pentanone	7.797	43	20277	4.634	ug/L	99
42) Toluene	7.973	91	30362	3.106	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	8921	2.503	ug/L	90
45) 1,1,2-Trichloroethane	8.407	97	6128	2.581	ug/L	97
46) Tetrachloroethene	8.555	164	3988	2.415	ug/L	95
48) 2-Hexanone	8.690	43	20485	5.279	ug/L	99
49) Dibromochloromethane	8.816	129	5574	2.374	ug/L	98
50) 1,2-Dibromoethane	8.925	107	6338	2.550	ug/L #	99
51) Chlorobenzene	9.449	112	15231	2.524	ug/L	96
52) Ethylbenzene	9.575	91	24436	2.366	ug/L	97
53) m,p-Xylene	9.697	106	9226	2.358	ug/L	88
54) o-xylene	10.102	106	9099	2.367	ug/L	96
55) Styrene	10.118	104	14384	2.176	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	12486	2.747	ug/L	96
59) Bromoform	10.295	173	3944	2.624	ug/L #	96
60) 1,2,3-Trichloropropane	10.829	75	9466	2.824	ug/L	99
61) Isopropylbenzene	10.488	105	22550	2.543	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	17763	2.398	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	18218	2.402	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	10589	2.584	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	11000	2.616	ug/L	96
67) 1,2-Dichlorobenzene	12.218	146	11224	2.668	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.999	75	2152	2.234	ug/L	90
69) 1,3,5-Trichlorobenzene	13.224	180	6673	2.346	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	5408	2.288	ug/L	98
71) Naphthalene	14.092	128	18528	2.262	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	5597	2.314	ug/L	97

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

