

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101121\
 Data File : VU045280.D
 Acq On : 11 Oct 2021 14:08
 Operator : SY/MD
 Sample : M3263-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

Quant Time: Oct 12 05:51:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 12 05:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	265492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	258375	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	117165	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	124436	42.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.64%		
7) Chloroethane-d5	1.899	69	105189	45.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.34%		
11) 1,1-Dichloroethene-d2	2.565	63	163316	33.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.92%		
21) 2-Butanone-d5	4.626	46	215197	93.66	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.66%		
24) Chloroform-d	5.067	84	213076	46.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.84%		
26) 1,2-Dichloroethane-d4	5.706	65	150267	48.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.66%		
32) Benzene-d6	5.732	84	441573	49.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.50%		
36) 1,2-Dichloropropane-d6	6.693	67	145849	49.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.78%		
41) Toluene-d8	7.902	98	383045	49.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.02%		
43) trans-1,3-Dichloroprop...	8.182	79	65575	50.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.86%		
47) 2-Hexanone-d5	8.636	63	146794	90.61	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.61%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	220395	48.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.82%		
66) 1,2-Dichlorobenzene-d4	12.198	152	135260	53.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	6076	2.39	ug/L	98
3) Chloromethane	1.523	50	8285	2.61	ug/L	97
5) Vinyl chloride	1.604	62	8180	2.63	ug/L #	9
6) Bromomethane	1.835	94	4793	3.22	ug/L	96
8) Chloroethane	1.922	64	4824	2.48	ug/L	90
9) Trichlorofluoromethane	2.131	101	8489	2.39	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6773	3.02	ug/L #	83
12) 1,1-Dichloroethene	2.578	96	6236	3.03	ug/L #	1
13) Acetone	2.633	43	10165	3.83	ug/L	99
14) Carbon disulfide	2.793	76	15177	2.30	ug/L	100
15) Methyl Acetate	2.954	43	8390	2.56	ug/L	99
16) Methylene chloride	3.047	84	9061	3.48	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	5401	2.49	ug/L	94
18) Methyl tert-butyl Ether	3.372	73	19640	2.75	ug/L	97
19) 1,1-Dichloroethane	3.874	63	11276	2.50	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	6375	2.67	ug/L	98
22) 2-Butanone	4.713	43	12127	4.08	ug/L	99
23) Bromochloromethane	4.976	128	3186	2.63	ug/L	90
25) Chloroform	5.092	83	14457	3.23	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	9788	2.61	ug/L	100
29) Cyclohexane	5.391	56	9457	2.44	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	8845	2.47	ug/L	99
31) Carbon tetrachloride	5.533	117	6620	2.34	ug/L	97
33) Benzene	5.780	78	25229	2.63	ug/L	100
34) Trichloroethene	6.546	95	5854	2.54	ug/L	97
35) Methylcyclohexane	6.767	83	9111	2.36	ug/L	98
37) 1,2-Dichloropropane	6.796	63	6717	2.57	ug/L	98
38) Bromodichloromethane	7.111	83	7963	2.49	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	9731	2.61	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	20119	4.62	ug/L	100
42) Toluene	7.973	91	31492	3.23	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	9732	2.74	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	6531	2.76	ug/L	93
46) Tetrachloroethene	8.558	164	4112	2.50	ug/L	97
48) 2-Hexanone	8.687	43	21154	5.47	ug/L	97
49) Dibromochloromethane	8.812	129	5723	2.45	ug/L	98
50) 1,2-Dibromoethane	8.928	107	6584	2.66	ug/L	96
51) Chlorobenzene	9.449	112	15682	2.61	ug/L	99
52) Ethylbenzene	9.574	91	25811	2.51	ug/L	90
53) m,p-Xylene	9.700	106	9944	2.55	ug/L	93
54) o-xylene	10.105	106	9428	2.46	ug/L	100
55) Styrene	10.118	104	14698	2.23	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.787	83	12250	2.71	ug/L	99
59) Bromoform	10.295	173	3979	2.74	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	9498	2.93	ug/L	98
61) Isopropylbenzene	10.488	105	23320	2.72	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	18339	2.56	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	18941	2.58	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	11131	2.81	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	11430	2.81	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	11738	2.89	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	2301	2.47	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	6895	2.51	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	5559	2.43	ug/L	97
71) Naphthalene	14.092	128	19038	2.40	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	5806	2.48	ug/L	95

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

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