

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043743.D
 Acq On : 14 May 2021 10:09
 Operator : SY/MD
 Sample : M2250-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-05

Quant Time: May 14 14:41:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	470318	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	460565	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	219068	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	180103	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.912	69	134451	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.02%
11) 1,1-Dichloroethene-d2	2.571	63	241764	36.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.94%
21) 2-Butanone-d5	4.626	46	309617	101.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.64%
24) Chloroform-d	5.073	84	312572	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.710	65	200226	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
32) Benzene-d6	5.735	84	663844	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
36) 1,2-Dichloropropane-d6	6.697	67	218769	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.906	98	579343	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%
43) trans-1,3-Dichloroprop...	8.185	79	92061	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.639	63	204839	96.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.08%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	314712	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
66) 1,2-Dichlorobenzene-d4	12.201	152	225437	52.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.28%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	9218	2.33	ug/L	99
3) Chloromethane	1.523	50	12488	2.61	ug/L	98
5) Vinyl chloride	1.607	62	11268	2.42	ug/L #	75
6) Bromomethane	1.851	94	6623	2.92	ug/L	98
8) Chloroethane	1.935	64	6073	2.31	ug/L	95
9) Trichlorofluoromethane	2.141	101	12628	2.40	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	10284	2.99	ug/L #	85
12) 1,1-Dichloroethene	2.584	96	9553	2.81	ug/L #	1
13) Acetone	2.633	43	13182	6.20	ug/L	99
14) Carbon disulfide	2.800	76	24317	2.27	ug/L	98
15) Methyl Acetate	2.954	43	11773	2.44	ug/L	98
16) Methylene chloride	3.054	84	11620	2.29	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	7656	2.18	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	22865	2.15	ug/L	99
19) 1,1-Dichloroethane	3.880	63	15481	2.25	ug/L	94
20) cis-1,2-Dichloroethene	4.674	96	8741	2.26	ug/L	98
22) 2-Butanone	4.710	43	16317	4.66	ug/L	99
23) Bromochloromethane	4.980	128	4740	2.26	ug/L	95
25) Chloroform	5.099	83	16315	2.43	ug/L	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	12473	2.41	ug/L	98
29) Cyclohexane	5.394	56	12130	1.98	ug/L	94
30) 1,1,1-Trichloroethane	5.327	97	12285	2.21	ug/L	100
31) Carbon tetrachloride	5.533	117	9782	2.15	ug/L	96
33) Benzene	5.784	78	35734	2.29	ug/L	100
34) Trichloroethene	6.549	95	8644	2.28	ug/L	96
35) Methylcyclohexane	6.767	83	12812	2.14	ug/L	98
37) 1,2-Dichloropropane	6.796	63	9402	2.21	ug/L	99
38) Bromodichloromethane	7.115	83	11294	2.24	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	12569	2.16	ug/L	94
40) 4-Methyl-2-pentanone	7.796	43	24536	3.83	ug/L	98
42) Toluene	7.973	91	44448	2.73	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	14728	2.70	ug/L	93
45) 1,1,2-Trichloroethane	8.407	97	8895	2.27	ug/L	97
46) Tetrachloroethene	8.558	164	6574	2.21	ug/L	94
48) 2-Hexanone	8.687	43	29787	5.80	ug/L	97
49) Dibromochloromethane	8.816	129	8687	2.16	ug/L	94
50) 1,2-Dibromoethane	8.928	107	9062	2.23	ug/L #	98
51) Chlorobenzene	9.452	112	22921	2.27	ug/L	96
52) Ethylbenzene	9.574	91	34135	2.03	ug/L	96
53) m,p-Xylene	9.700	106	12472	1.96	ug/L	100
54) o-xylene	10.105	106	11383	1.81	ug/L	94
55) Styrene	10.121	104	18628	1.76	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.790	83	15472	2.17	ug/L #	97
59) Bromoform	10.298	173	6346	2.22	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	12473	2.44	ug/L	98
61) Isopropylbenzene	10.491	105	29449	2.06	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	21535	1.81	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	20900	1.75	ug/L	95
64) 1,3-Dichlorobenzene	11.751	146	15546	2.23	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	16504	2.32	ug/L	99
67) 1,2-Dichlorobenzene	12.221	146	17152	2.37	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	3015	2.15	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.227	180	11406	2.21	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	8944	2.03	ug/L	96
71) Naphthalene	14.095	128	23370	1.59	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	9139	1.97	ug/L	97

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

