

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051921\
 Data File : VU043822.D
 Acq On : 19 May 2021 12:41
 Operator : SY/MD
 Sample : M2250-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

Quant Time: May 20 03:29:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 03:28:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	459469	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	448974	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	224522	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	153605	40.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.76%
7) Chloroethane-d5	1.903	69	109037	39.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.72%
11) 1,1-Dichloroethene-d2	2.568	63	213629	32.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.96%
21) 2-Butanone-d5	4.629	46	266659	89.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.61%
24) Chloroform-d	5.070	84	298514	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.710	65	188455	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.735	84	632082	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
36) 1,2-Dichloropropane-d6	6.697	67	205308	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.906	98	559406	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloroprop...	8.185	79	89260	47.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.08%
47) 2-Hexanone-d5	8.639	63	189612	91.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.24%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	311830	47.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.96%
66) 1,2-Dichlorobenzene-d4	12.201	152	229107	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	8701	2.25	ug/L	96
3) Chloromethane	1.520	50	11333	2.42	ug/L	97
5) Vinyl chloride	1.607	62	10123	2.23	ug/L #	68
6) Bromomethane	1.838	94	5625	2.54	ug/L	98
8) Chloroethane	1.925	64	5554	2.16	ug/L	91
9) Trichlorofluoromethane	2.134	101	11343	2.21	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	9878	2.94	ug/L	87
12) 1,1-Dichloroethene	2.581	96	9153	2.76	ug/L #	1
13) Acetone	2.633	43	9905	4.77	ug/L	98
14) Carbon disulfide	2.797	76	24359	2.33	ug/L	99
15) Methyl Acetate	2.954	43	10373	2.20	ug/L	100
16) Methylene chloride	3.051	84	10820	2.18	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	7983	2.33	ug/L	90
18) Methyl tert-butyl Ether	3.369	73	21865	2.10	ug/L	98
19) 1,1-Dichloroethane	3.877	63	14437	2.15	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	8876	2.35	ug/L	99
22) 2-Butanone	4.713	43	14492	4.24	ug/L	95
23) Bromochloromethane	4.983	128	4498	2.19	ug/L	92
25) Chloroform	5.096	83	16909	2.57	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	11838	2.34	ug/L	98
29) Cyclohexane	5.395	56	10999	1.84	ug/L	89
30) 1,1,1-Trichloroethane	5.324	97	12229	2.26	ug/L	98
31) Carbon tetrachloride	5.530	117	9536	2.15	ug/L	99
33) Benzene	5.780	78	33484	2.21	ug/L	100
34) Trichloroethene	6.549	95	8370	2.27	ug/L	97
35) Methylcyclohexane	6.771	83	12147	2.08	ug/L	95
37) 1,2-Dichloropropane	6.800	63	9521	2.30	ug/L #	95
38) Bromodichloromethane	7.115	83	10356	2.11	ug/L	94
39) cis-1,3-Dichloropropene	7.616	75	11783	2.08	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	22626	3.63	ug/L	98
42) Toluene	7.976	91	42937	2.71	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	14867	2.79	ug/L	94
45) 1,1,2-Trichloroethane	8.407	97	8708	2.28	ug/L	100
46) Tetrachloroethene	8.558	164	7093	2.44	ug/L	89
48) 2-Hexanone	8.690	43	26580	5.31	ug/L	98
49) Dibromochloromethane	8.816	129	8552	2.18	ug/L	97
50) 1,2-Dibromoethane	8.928	107	8761	2.21	ug/L	97
51) Chlorobenzene	9.452	112	22488	2.29	ug/L	97
52) Ethylbenzene	9.574	91	32594	1.99	ug/L	97
53) m,p-Xylene	9.700	106	12205	1.97	ug/L	100
54) o-xylene	10.108	106	11398	1.86	ug/L	89
55) Styrene	10.121	104	18583	1.80	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	15888	2.28	ug/L	95
59) Bromoform	10.298	173	6543	2.23	ug/L #	97
60) 1,2,3-Trichloropropane	10.832	75	12383	2.36	ug/L	98
61) Isopropylbenzene	10.491	105	27981	1.91	ug/L	98
62) 1,3,5-Trimethylbenzene	11.095	105	20506	1.68	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	21003	1.72	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	15833	2.22	ug/L	95
65) 1,4-Dichlorobenzene	11.844	146	17032	2.34	ug/L	94
67) 1,2-Dichlorobenzene	12.217	146	18524	2.49	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.005	75	2772	1.93	ug/L	98
69) 1,3,5-Trichlorobenzene	13.227	180	12388	2.34	ug/L	97
70) 1,2,4-trichlorobenzene	13.848	180	9590	2.12	ug/L	96
71) Naphthalene	14.095	128	25462	1.69	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	10169	2.14	ug/L	99

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

