

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022321\
 Data File : VU042415.D
 Acq On : 23 Feb 2021 12:46
 Operator : SY/MD
 Sample : M1344-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

Quant Time: Feb 24 03:53:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 03:51:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	200503	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	189883	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	95745	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68793	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.18%
7) Chloroethane-d5	1.919	69	56409	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.02%
11) 1,1-Dichloroethene-d2	2.572	63	121937	37.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.72%
21) 2-Butanone-d5	4.639	46	163377	104.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.65%
24) Chloroform-d	5.073	84	150557	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	5.710	65	112544	52.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.98%
32) Benzene-d6	5.735	84	274855	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	6.700	67	92994	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.906	98	256457	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%
43) trans-1,3-Dichloroprop...	8.185	79	46927	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.645	63	103608	99.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.43%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	136054	49.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.18%
66) 1,2-Dichlorobenzene-d4	12.201	152	101357	50.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.98%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	4037	2.40	ug/L	98
3) Chloromethane	1.523	50	3765	2.45	ug/L	92
5) Vinyl chloride	1.607	62	3954	2.60	ug/L #	68
6) Bromomethane	1.864	94	2336	2.74	ug/L	96
8) Chloroethane	1.938	64	2418	2.89	ug/L	93
9) Trichlorofluoromethane	2.144	101	6014	2.56	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4139	2.94	ug/L	87
12) 1,1-Dichloroethene	2.588	96	3689	2.87	ug/L #	1
13) Acetone	2.649	43	5388	3.82	ug/L	98
14) Carbon disulfide	2.800	76	9021	2.33	ug/L	96
15) Methyl Acetate	2.961	43	5321	2.45	ug/L	98
16) Methylene chloride	3.054	84	3727	2.56	ug/L	94
17) trans-1,2-Dichloroethene	3.363	96	3264	2.43	ug/L	91
18) Methyl tert-butyl Ether	3.375	73	11788	2.44	ug/L	97
19) 1,1-Dichloroethane	3.880	63	6501	2.34	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	3467	2.30	ug/L	98
22) 2-Butanone	4.723	43	7033	3.85	ug/L #	74
23) Bromochloromethane	4.989	128	1898	2.37	ug/L	91
25) Chloroform	5.096	83	7029	2.49	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	6575	2.64	ug/L	99
29) Cyclohexane	5.401	56	5637	2.23	ug/L	92
30) 1,1,1-Trichloroethane	5.327	97	6262	2.41	ug/L	98
31) Carbon tetrachloride	5.533	117	4653	2.08	ug/L	100
33) Benzene	5.784	78	13986	2.41	ug/L	100
34) Trichloroethene	6.549	95	3629	2.39	ug/L	95
35) Methylcyclohexane	6.774	83	5232	2.23	ug/L	95
37) 1,2-Dichloropropane	6.796	63	3862	2.38	ug/L #	96
38) Bromodichloromethane	7.112	83	4853	2.22	ug/L	98
39) cis-1,3-Dichloropropene	7.616	75	5714	2.26	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	14957	4.66	ug/L	98
42) Toluene	7.973	91	14287	2.30	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	5504	2.21	ug/L	98
45) 1,1,2-Trichloroethane	8.407	97	3625	2.43	ug/L	92
46) Tetrachloroethene	8.558	164	2792	2.32	ug/L	93
48) 2-Hexanone	8.697	43	13931	5.36	ug/L #	98
49) Dibromochloromethane	8.819	129	4040	2.33	ug/L	87
50) 1,2-Dibromoethane	8.931	107	3822	2.29	ug/L #	92
51) Chlorobenzene	9.456	112	9292	2.36	ug/L	94
52) Ethylbenzene	9.578	91	15850	2.29	ug/L	95
53) m,p-Xylene	9.700	106	5842	2.27	ug/L	96
54) o-xylene	10.108	106	6103	2.38	ug/L	89
55) Styrene	10.121	104	8988	2.05	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.790	83	6186	2.28	ug/L #	88
59) Bromoform	10.298	173	2779	2.07	ug/L #	94
60) 1,2,3-Trichloropropane	10.828	75	5236	2.48	ug/L	98
61) Isopropylbenzene	10.491	105	14988	2.35	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	11923	2.16	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	11600	2.09	ug/L	96
64) 1,3-Dichlorobenzene	11.754	146	6983	2.32	ug/L	92
65) 1,4-Dichlorobenzene	11.844	146	8028	2.62	ug/L	87
67) 1,2-Dichlorobenzene	12.221	146	7390	2.39	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	13.005	75	1539	2.19	ug/L	95
69) 1,3,5-Trichlorobenzene	13.227	180	5339	2.30	ug/L	96
70) 1,2,4-trichlorobenzene	13.848	180	3894	2.00	ug/L	96
71) Naphthalene	14.098	128	10401	1.70	ug/L	98
72) 1,2,3-Trichlorobenzene	14.340	180	4197	2.12	ug/L	98

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

