

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011221\
 Data File : VU041971.D
 Acq On : 12 Jan 2021 16:08
 Operator : SY/MD
 Sample : L5214-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda

1/13/2021 12:19:26 PM

Quant Time: Jan 13 06:04:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 13 05:59:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	266346	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	244393	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	107950	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	132608	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.78%
7) Chloroethane-d5	1.916	69	106820	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.04%
11) 1,1-Dichloroethene-d2	2.575	63	165547	34.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.82%
21) 2-Butanone-d5	4.642	46	196250	88.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.63%
24) Chloroform-d	5.076	84	202935	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
26) 1,2-Dichloroethane-d4	5.716	65	132434	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
32) Benzene-d6	5.739	84	393655	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.18%
36) 1,2-Dichloropropane-d6	6.700	67	126650	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.86%
41) Toluene-d8	7.903	98	359112	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%
43) trans-1,3-Dichloroprop...	8.185	79	62241	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
47) 2-Hexanone-d5	8.639	63	132992	90.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.36%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	170543	43.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.46%
66) 1,2-Dichlorobenzene-d4	12.189	152	121215	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6070	2.38	ug/L	96
3) Chloromethane	1.523	50	8241	2.77	ug/L	93
5) Vinyl chloride	1.607	62	7884	2.57	ug/L #	61
6) Bromomethane	1.861	94	4876	2.61	ug/L	95
8) Chloroethane	1.935	64	4385	2.34	ug/L	96
9) Trichlorofluoromethane	2.144	101	9522	2.49	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	5961	2.80	ug/L	97
12) 1,1-Dichloroethene	2.584	96	6201	3.05	ug/L #	1
13) Acetone	2.642	43	7815	4.17	ug/L	98
14) Carbon disulfide	2.803	76	15263	2.32	ug/L	98
15) Methyl Acetate	2.964	43	6465	2.20	ug/L	97
16) Methylene chloride	3.057	84	6753	2.86	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	4553m	2.13	ug/L	
18) Methyl tert-butyl Ether	3.379	73	16600	2.40	ug/L #	88
19) 1,1-Dichloroethane	3.887	63	9814	2.32	ug/L	93
20) cis-1,2-Dichloroethene	4.684	96	5848	2.54	ug/L	87
22) 2-Butanone	4.723	43	11289	4.59	ug/L	95
23) Bromochloromethane	4.996	128	2616	2.37	ug/L	79
25) Chloroform	5.102	83	10499	2.50	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	7799	2.42	ug/L #	90
29) Cyclohexane	5.401	56	8635	2.35	ug/L	93
30) 1,1,1-Trichloroethane	5.333	97	8706	2.39	ug/L	96
31) Carbon tetrachloride	5.536	117	6892	2.27	ug/L	100
33) Benzene	5.787	78	21069	2.33	ug/L	100
34) Trichloroethene	6.552	95	5123	2.30	ug/L	97
35) Methylcyclohexane	6.774	83	7621	2.33	ug/L	92
37) 1,2-Dichloropropane	6.800	63	5382	2.26	ug/L #	89
38) Bromodichloromethane	7.115	83	7341	2.49	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	8839	2.53	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	17193	4.68	ug/L	99
42) Toluene	7.973	91	22372	2.59	ug/L	91
44) trans-1,3-Dichloropropene	8.218	75	8146	2.43	ug/L	96
45) 1,1,2-Trichloroethane	8.407	97	5282	2.55	ug/L	91
46) Tetrachloroethene	8.555	164	3144	2.25	ug/L	97
48) 2-Hexanone	8.690	43	15285	5.02	ug/L	94
49) Dibromochloromethane	8.816	129	5113	2.31	ug/L	96
50) 1,2-Dibromoethane	8.925	107	5156	2.37	ug/L #	91
51) Chlorobenzene	9.449	112	13442	2.54	ug/L	97
52) Ethylbenzene	9.571	91	20124	2.19	ug/L	99
53) m,p-Xylene	9.693	106	7368	2.21	ug/L	97
54) o-xylene	10.099	106	7078	2.20	ug/L	95
55) Styrene	10.115	104	12321	2.17	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	9272	2.41	ug/L #	97
59) Bromoform	10.291	173	3775	2.69	ug/L #	95
60) 1,2,3-Trichloropropane	10.825	75	7094	2.51	ug/L	99
61) Isopropylbenzene	10.481	105	18838	2.49	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	14185	2.21	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	14371	2.24	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	8730	2.52	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	8488	2.45	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	10086	2.85	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	1985	2.22	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.211	180	5472	2.34	ug/L	97
70) 1,2,4-trichlorobenzene	13.832	180	3836	2.13	ug/L	96
71) Naphthalene	14.076	128	8790	1.42	ug/L	95
72) 1,2,3-Trichlorobenzene	14.317	180	3622	1.96	ug/L	92

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

