

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030121\
 Data File : VW020425.D
 Acq On : 01 Mar 2021 15:36
 Operator : SY/MD
 Sample : M1344-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Manual Integrations
 APPROVED

MMDadoda

3/2/2021 5:33:17 PM

Quant Time: Mar 02 00:17:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 02 00:15:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	558743	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	548610	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	287693	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	124750	45.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.24%		
7) Chloroethane-d5	1.568	69	117193	47.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.86%		
11) 1,1-Dichloroethene-d2	2.108	63	194451	34.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.16%		
21) 2-Butanone-d5	3.883	46	187236	89.95	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.95%		
24) Chloroform-d	4.346	84	291950	46.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.36%		
26) 1,2-Dichloroethane-d4	5.031	65	193662	48.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.98%		
32) Benzene-d6	5.050	84	583218	48.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.60%		
36) 1,2-Dichloropropane-d6	6.069	67	185895	49.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.38%		
41) Toluene-d8	7.317	98	542108	47.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.16%		
43) trans-1,3-Dichloroprop...	7.622	79	81930	45.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.80%		
47) 2-Hexanone-d5	8.088	63	123514	83.28	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.28%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	234605	44.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.44%		
66) 1,2-Dichlorobenzene-d4	11.632	152	250160	49.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.54%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	9866	2.17	ug/L	95
3) Chloromethane	1.240	50	8877	2.27	ug/L	99
5) Vinyl chloride	1.310	62	9818	2.31	ug/L #	79
6) Bromomethane	1.523	94	6800	2.44	ug/L	100
8) Chloroethane	1.584	64	5869	2.27	ug/L	96
9) Trichlorofluoromethane	1.751	101	13759	2.17	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	9790	2.82	ug/L #	80
12) 1,1-Dichloroethene	2.118	96	8822	2.72	ug/L #	1
13) Acetone	2.179	43	5739	3.75	ug/L	88
14) Carbon disulfide	2.294	76	18126	2.14	ug/L	96
15) Methyl Acetate	2.439	43	6429	2.01	ug/L	97
16) Methylene chloride	2.507	84	9441	2.56	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	7150	2.11	ug/L	97
18) Methyl tert-butyl Ether	2.767	73	19900	1.95	ug/L	98
19) 1,1-Dichloroethane	3.191	63	12932	2.10	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	7878	2.10	ug/L	100
22) 2-Butanone	3.989	43	8776m	4.04	ug/L	
23) Bromochloromethane	4.252	128	4307	2.13	ug/L #	88
25) Chloroform	4.375	83	24995	3.70	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	9841	1.97	ug/L	99
29) Cyclohexane	4.680	56	9718	1.99	ug/L	98
30) 1,1,1-Trichloroethane	4.613	97	12020	2.08	ug/L	98
31) Carbon tetrachloride	4.828	117	10420	2.08	ug/L	99
33) Benzene	5.101	78	28297	2.05	ug/L	100
34) Trichloroethene	5.918	95	9919	2.48	ug/L	90
35) Methylcyclohexane	6.130	83	11142	2.08	ug/L	99
37) 1,2-Dichloropropane	6.182	63	6730	1.92	ug/L #	89
38) Bromodichloromethane	6.513	83	9635	2.00	ug/L	94
39) cis-1,3-Dichloropropene	7.034	75	11056	2.07	ug/L	96
40) 4-Methyl-2-pentanone	7.233	43	15298	3.53	ug/L	96
42) Toluene	7.394	91	31487	2.09	ug/L	96
44) trans-1,3-Dichloropropene	7.661	75	9307	1.79	ug/L	89
45) 1,1,2-Trichloroethane	7.844	97	8291	2.26	ug/L	96
46) Tetrachloroethene	7.982	164	7297	2.27	ug/L	96
48) 2-Hexanone	8.146	43	24859	7.42	ug/L	94
49) Dibromochloromethane	8.252	129	7847	1.98	ug/L	98
50) 1,2-Dibromoethane	8.358	107	7819	2.00	ug/L #	91
51) Chlorobenzene	8.886	112	22453	2.13	ug/L	99
52) Ethylbenzene	9.021	91	32775	1.96	ug/L	98
53) m,p-Xylene	9.146	106	11851	1.86	ug/L	89
54) o-Xylene	9.551	106	10852	1.73	ug/L	92
55) Styrene	9.571	104	18496	1.72	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.249	83	11672	2.16	ug/L	98
59) Bromoform	9.738	173	5042	1.87	ug/L	93
60) Isopropylbenzene	9.937	105	29319	1.86	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	9053	2.00	ug/L	94
62) 1,3,5-Trimethylbenzene	10.545	105	23306	1.80	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	22818	1.72	ug/L	100
64) 1,3-Dichlorobenzene	11.191	146	17602	2.12	ug/L	96
65) 1,4-Dichlorobenzene	11.281	146	18779	2.18	ug/L	99
67) 1,2-Dichlorobenzene	11.651	146	18842	2.27	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.439	75	1947	1.85	ug/L	94
69) 1,3,5-Trichlorobenzene	12.654	180	12939	2.00	ug/L	99
70) 1,2,4-trichlorobenzene	13.275	180	10766	1.92	ug/L	96
71) Naphthalene	13.516	128	21679	1.40	ug/L	99
72) 1,2,3-Trichlorobenzene	13.757	180	10054	1.78	ug/L	98

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

