

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022621\
 Data File : VW020404.D
 Acq On : 24 Feb 2021 20:15
 Operator : SY/MD
 Sample : M1344-05
 Misc : 5.0G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda

3/11/2021 9:59:55 AM

Quant Time: Feb 25 00:39:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 17:44:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	560761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	538355	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	272118	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	136790	49.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.60%		
7) Chloroethane-d5	1.571	69	128327	51.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.50%		
11) 1,1-Dichloroethene-d2	2.108	63	205287	35.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.70%		
21) 2-Butanone-d5	3.892	46	229153	109.69	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.69%		
24) Chloroform-d	4.352	84	315267	49.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.38%		
26) 1,2-Dichloroethane-d4	5.037	65	215458	53.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.50%		
32) Benzene-d6	5.053	84	632446	53.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.86%		
36) 1,2-Dichloropropane-d6	6.072	67	201478	54.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	109.76%		
41) Toluene-d8	7.320	98	572746	51.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.44%		
43) trans-1,3-Dichloroprop...	7.625	79	88158	49.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.56%		
47) 2-Hexanone-d5	8.091	63	147886	101.62	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.62%		
56) 1,1,2,2-Tetrachloroeth...	10.223	84	264894	50.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.76%		
66) 1,2-Dichlorobenzene-d4	11.632	152	262307	55.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.34%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	8435	1.85	ug/L	99
3) Chloromethane	1.243	50	8481	2.16	ug/L	97
5) Vinyl chloride	1.310	62	9192	2.16	ug/L #	77
6) Bromomethane	1.526	94	5892	2.11	ug/L	93
8) Chloroethane	1.587	64	5560	2.14	ug/L	94
9) Trichlorofluoromethane	1.754	101	12002	1.88	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	7813	2.24	ug/L #	79
12) 1,1-Dichloroethene	2.117	96	8092	2.49	ug/L #	1
13) Acetone	2.185	43	6149	4.00	ug/L	85
14) Carbon disulfide	2.298	76	16856	1.98	ug/L	97
15) Methyl Acetate	2.445	43	6303	1.97	ug/L	92
16) Methylene chloride	2.510	84	8510	2.30	ug/L	93
17) trans-1,2-Dichloroethene	2.767	96	6937	2.04	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	19440	1.90	ug/L	98
19) 1,1-Dichloroethane	3.198	63	11555	1.87	ug/L	98
20) cis-1,2-Dichloroethene	3.921	96	7004	1.86	ug/L	92
22) 2-Butanone	4.002	43	9465m	4.34	ug/L	
23) Bromochloromethane	4.256	128	4057	2.00	ug/L	96
25) Chloroform	4.381	83	22906	3.38	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.146	62	9227	1.84	ug/L	100
29) Cyclohexane	4.680	56	8405	1.76	ug/L #	83
30) 1,1,1-Trichloroethane	4.616	97	11139	1.97	ug/L #	81
31) Carbon tetrachloride	4.834	117	9006	1.83	ug/L	98
33) Benzene	5.111	78	27726	2.05	ug/L	100
34) Trichloroethene	5.921	95	8352	2.13	ug/L	95
35) Methylcyclohexane	6.133	83	9460	1.80	ug/L	94
37) 1,2-Dichloropropane	6.185	63	6868	2.00	ug/L #	95
38) Bromodichloromethane	6.522	83	8538	1.81	ug/L	94
39) cis-1,3-Dichloropropene	7.037	75	9093	1.74	ug/L	97
40) 4-Methyl-2-pentanone	7.236	43	15477	3.64	ug/L	96
42) Toluene	7.397	91	28977	1.96	ug/L	97
44) trans-1,3-Dichloropropene	7.664	75	9336	1.83	ug/L	97
45) 1,1,2-Trichloroethane	7.847	97	7328	2.03	ug/L	94
46) Tetrachloroethene	7.985	164	6201	1.96	ug/L	96
48) 2-Hexanone	8.149	43	27489	8.36	ug/L #	93
49) Dibromochloromethane	8.252	129	7354	1.89	ug/L	98
50) 1,2-Dibromoethane	8.362	107	7691	2.01	ug/L #	98
51) Chlorobenzene	8.889	112	20260	1.96	ug/L	96
52) Ethylbenzene	9.021	91	29768	1.82	ug/L	99
53) m,p-Xylene	9.146	106	10916	1.74	ug/L	96
54) o-Xylene	9.551	106	10806	1.76	ug/L	98
55) Styrene	9.571	104	16520	1.56	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.246	83	11161	2.10	ug/L #	97
59) Bromoform	9.741	173	4652	1.83	ug/L #	96
60) Isopropylbenzene	9.937	105	27156	1.82	ug/L	99
61) 1,2,3-Trichloropropane	10.281	75	9388	2.19	ug/L	97
62) 1,3,5-Trimethylbenzene	10.548	105	20688	1.69	ug/L	97
63) 1,2,4-Trimethylbenzene	10.921	105	20301	1.62	ug/L	99
64) 1,3-Dichlorobenzene	11.191	146	14808	1.89	ug/L	96
65) 1,4-Dichlorobenzene	11.281	146	17337	2.13	ug/L	99
67) 1,2-Dichlorobenzene	11.648	146	17254	2.20	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.439	75	1817	1.83	ug/L	93
69) 1,3,5-Trichlorobenzene	12.654	180	11658	1.91	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	9934	1.87	ug/L	95
71) Naphthalene	13.516	128	22218	1.51	ug/L	99
72) 1,2,3-Trichlorobenzene	13.754	180	9436	1.77	ug/L	97

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

