

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012621\
 Data File : VW020166.D
 Acq On : 25 Jan 2021 22:42
 Operator : SY/MD
 Sample : L5214-05
 Misc : 5.0G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 1/29/2021 11:56:56 AM

Quant Time: Jan 26 05:50:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 25 18:17:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	393847	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.855	117	367786	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	205691	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	166691	53.32	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.64%			
7) Chloroethane-d5	1.569	69	137342	57.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.20%			
11) 1,1-Dichloroethene-d2	2.110	63	240516	43.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.16%			
21) 2-Butanone-d5	3.891	46	218302	113.69	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 113.69%			
24) Chloroform-d	4.354	84	277108	52.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.38%			
26) 1,2-Dichloroethane-d4	5.035	65	200410	55.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.80%			
32) Benzene-d6	5.055	84	512909	54.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.72%			
36) 1,2-Dichloropropane-d6	6.074	67	176538	57.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 114.66%			
41) Toluene-d8	7.318	98	459829	51.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.76%			
43) trans-1,3-Dichloroprop...	7.624	79	77030	51.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.46%			
47) 2-Hexanone-d5	8.090	63	150055	112.23	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.23%			
56) 1,1,2,2-Tetrachloroeth...	10.222	84	244883	54.70	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.40%			
66) 1,2-Dichlorobenzene-d4	11.630	152	209104	53.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.129	85	5434	1.99	ug/L	98
3) Chloromethane	1.241	50	10028	2.76	ug/L	100
5) Vinyl chloride	1.312	62	7270	2.39	ug/L #	53
6) Bromomethane	1.524	94	3733	2.76	ug/L	94
8) Chloroethane	1.585	64	4628	2.46	ug/L	93
9) Trichlorofluoromethane	1.753	101	8150	1.90	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.116	101	6723	2.78	ug/L #	77
12) 1,1-Dichloroethene	2.116	96	6577	2.81	ug/L #	1
13) Acetone	2.184	43	7297	5.17	ug/L	86
14) Carbon disulfide	2.296	76	12597	2.04	ug/L	98
15) Methyl Acetate	2.441	43	5051	1.85	ug/L	95
16) Methylene chloride	2.511	84	6065	2.42	ug/L	94
17) trans-1,2-Dichloroethene	2.765	96	4694	2.08	ug/L	97
18) Methyl tert-butyl Ether	2.772	73	16237	2.11	ug/L #	89
19) 1,1-Dichloroethane	3.193	63	9332	2.03	ug/L	95
20) cis-1,2-Dichloroethene	3.917	96	5220	2.04	ug/L	99
22) 2-Butanone	4.007	43	9713m	5.12	ug/L	
23) Bromochloromethane	4.257	128	2538	1.97	ug/L #	74
25) Chloroform	4.383	83	11983	2.51	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.142	62	8126	2.00	ug/L	98
29) Cyclohexane	4.682	56	6870	2.02	ug/L #	89
30) 1,1,1-Trichloroethane	4.617	97	8568	2.12	ug/L #	80
31) Carbon tetrachloride	4.836	117	6337	1.86	ug/L	97
33) Benzene	5.109	78	19598	2.01	ug/L	100
34) Trichloroethene	5.923	95	5868	2.26	ug/L	95
35) Methylcyclohexane	6.135	83	6429	1.74	ug/L #	77
37) 1,2-Dichloropropane	6.183	63	5894	2.34	ug/L #	94
38) Bromodichloromethane	6.515	83	7795	2.21	ug/L	96
39) cis-1,3-Dichloropropene	7.039	75	8208	2.06	ug/L	96
40) 4-Methyl-2-pentanone	7.238	43	15282	3.98	ug/L	98
42) Toluene	7.399	91	20058	1.97	ug/L	93
44) trans-1,3-Dichloropropene	7.659	75	7370	1.93	ug/L	92
45) 1,1,2-Trichloroethane	7.846	97	4865	2.01	ug/L	93
46) Tetrachloroethene	7.984	164	3770	2.02	ug/L	94
48) 2-Hexanone	8.151	43	12795	4.51	ug/L	95
49) Dibromochloromethane	8.251	129	4898	1.78	ug/L	97
50) 1,2-Dibromoethane	8.363	107	5318	1.92	ug/L #	94
51) Chlorobenzene	8.887	112	13680	1.99	ug/L	96
52) Ethylbenzene	9.019	91	20079	1.75	ug/L	99
53) m,p-Xylene	9.148	106	7711	1.78	ug/L	95
54) o-Xylene	9.550	106	7754	1.79	ug/L	99
55) Styrene	9.569	104	11878	1.57	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.247	83	10436	2.47	ug/L	99
59) Bromoform	9.739	173	3666	1.65	ug/L #	96
60) Isopropylbenzene	9.939	105	21728	1.67	ug/L	98
61) 1,2,3-Trichloropropane	10.280	75	7703	2.00	ug/L	94
62) 1,3,5-Trimethylbenzene	10.547	105	17131	1.58	ug/L	95
63) 1,2,4-Trimethylbenzene	10.923	105	16586	1.56	ug/L	98
64) 1,3-Dichlorobenzene	11.193	146	11366	1.88	ug/L	90
65) 1,4-Dichlorobenzene	11.280	146	13174	2.15	ug/L	96
67) 1,2-Dichlorobenzene	11.653	146	12632	2.13	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.440	75	1878	1.73	ug/L	96
69) 1,3,5-Trichlorobenzene	12.656	180	8382	1.88	ug/L	92
70) 1,2,4-trichlorobenzene	13.273	180	8042	1.90	ug/L	99
71) Naphthalene	13.514	128	23263	1.68	ug/L	98
72) 1,2,3-Trichlorobenzene	13.755	180	8158	1.84	ug/L	98

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

