

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080321\
 Data File : VW021727.D
 Acq On : 03 Aug 2021 11:50
 Operator : SY/MD
 Sample : M3263-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

MMDadoda
 8/4/2021 1:45:35 PM

Quant Time: Aug 04 01:13:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 04 01:10:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	405726	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	375472	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	189193	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	104704	41.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.180%
7) Chloroethane-d5	1.558	69	97227	46.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.540%
11) 1,1-Dichloroethene-d2	2.105	63	159936	35.095	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.200%
21) 2-Butanone-d5	3.867	46	218759	99.948	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.950%
24) Chloroform-d	4.346	84	251832	46.630	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
26) 1,2-Dichloroethane-d4	5.031	65	158483	49.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
32) Benzene-d6	5.047	84	522259	49.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.160%
36) 1,2-Dichloropropane-d6	6.069	67	170814	50.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.280%
41) Toluene-d8	7.313	98	478391	48.586	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.180%
43) trans-1,3-Dichloroprop...	7.622	79	79355	47.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.360%
47) 2-Hexanone-d5	8.085	63	136596	92.873	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.870%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	209054	47.026	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.060%
66) 1,2-Dichlorobenzene-d4	11.625	152	192140	49.051	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5119	1.906	ug/L	99
3) Chloromethane	1.240	50	4915	1.857	ug/L	96
5) Vinyl chloride	1.307	62	5106	1.893	ug/L #	70
6) Bromomethane	1.510	94	3628	2.446	ug/L	88
8) Chloroethane	1.577	64	3654	2.215	ug/L	98
9) Trichlorofluoromethane	1.748	101	7746	1.973	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	5758	2.600	ug/L #	82
12) 1,1-Dichloroethene	2.114	96	5194	2.558	ug/L #	1
13) Acetone	2.159	43	5814	4.049	ug/L	99
14) Carbon disulfide	2.291	76	10153	1.866	ug/L	100
15) Methyl Acetate	2.433	43	5691	1.899	ug/L	96
16) Methylene chloride	2.503	84	6428	2.326	ug/L	98
17) trans-1,2-Dichloroethene	2.764	96	4370	1.824	ug/L	94
18) Methyl tert-butyl Ether	2.767	73	16236	1.924	ug/L	96
19) 1,1-Dichloroethane	3.191	63	9159	1.960	ug/L	96
20) cis-1,2-Dichloroethene	3.915	96	5459	1.925	ug/L	95
22) 2-Butanone	3.982	43	8704m	4.166	ug/L	
23) Bromochloromethane	4.256	128	2757	1.809	ug/L #	93
25) Chloroform	4.371	83	11889	2.425	ug/L	86

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

27) 1,2-Dichloroethane	5.143	62	7147	2.062	ug/L	95
29) Cyclohexane	4.674	56	7348	1.956	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	8005	1.889	ug/L #	78
31) Carbon tetrachloride	4.831	117	6915	1.896	ug/L #	42
33) Benzene	5.101	78	20926	2.072	ug/L	100
34) Trichloroethene	5.921	95	6044	2.113	ug/L	94
35) Methylcyclohexane	6.130	83	7797	1.999	ug/L	98
37) 1,2-Dichloropropane	6.178	63	5645	2.098	ug/L #	91
38) Bromodichloromethane	6.519	83	6542	1.781	ug/L	96
39) cis-1,3-Dichloropropene	7.034	75	7477	1.754	ug/L	84
40) 4-Methyl-2-pentanone	7.230	43	14428	3.681	ug/L	98
42) Toluene	7.394	91	26374	2.423	ug/L	93
44) trans-1,3-Dichloropropene	7.657	75	7628	1.867	ug/L	91
45) 1,1,2-Trichloroethane	7.844	97	5210	1.902	ug/L	95
46) Tetrachloroethene	7.979	164	3986	1.885	ug/L	97
48) 2-Hexanone	8.143	43	23143	7.704	ug/L	98
49) Dibromochloromethane	8.249	129	5373	1.722	ug/L	97
50) 1,2-Dibromoethane	8.358	107	5310	1.824	ug/L	97
51) Chlorobenzene	8.886	112	14120	1.941	ug/L	94
52) Ethylbenzene	9.017	91	21603	1.828	ug/L	97
53) m,p-Xylene	9.143	106	8518	1.857	ug/L	90
54) o-Xylene	9.548	106	8651	1.874	ug/L	97
55) Styrene	9.567	104	13704	1.772	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	8682	2.123	ug/L	91
59) Bromoform	9.734	173	3505	1.602	ug/L #	94
60) Isopropylbenzene	9.934	105	21935	1.877	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	6656	1.979	ug/L	95
62) 1,3,5-Trimethylbenzene	10.542	105	18184	1.838	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	18912	1.878	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	10877	1.931	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	11081	1.955	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	11105	1.930	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.429	75	1280	1.446	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	6859	1.637	ug/L	95
70) 1,2,4-trichlorobenzene	13.268	180	5192	1.469	ug/L	97
71) Naphthalene	13.509	128	11942	1.167	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	5212	1.485	ug/L	98

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

