

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080221\
 Data File : VV021720.D
 Acq On : 02 Aug 2021 15:35
 Operator : SY/MD
 Sample : M3263-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda

8/5/2021 4:10:36 PM

Quant Time: Aug 03 02:13:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 02:08:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	414135	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	388315	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	191879	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	119616	45.992	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.980%		
7) Chloroethane-d5	1.558	69	101235	47.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.400%		
11) 1,1-Dichloroethene-d2	2.104	63	171233	36.811	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.620%		
21) 2-Butanone-d5	3.870	46	219666	98.325	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.330%		
24) Chloroform-d	4.346	84	254871	46.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.460%		
26) 1,2-Dichloroethane-d4	5.027	65	159210	48.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.580%		
32) Benzene-d6	5.046	84	532849	48.414	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.820%		
36) 1,2-Dichloropropane-d6	6.069	67	171619	49.197	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.400%		
41) Toluene-d8	7.313	98	484971	47.626	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.260%		
43) trans-1,3-Dichloroprop...	7.622	79	79836	46.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.760%		
47) 2-Hexanone-d5	8.085	63	132505	87.111	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.110%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	209140	45.490	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.980%		
66) 1,2-Dichlorobenzene-d4	11.625	152	194294	48.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5589	2.039	ug/L	99
3) Chloromethane	1.240	50	5996	2.219	ug/L	96
5) Vinyl chloride	1.307	62	6123	2.224	ug/L #	60
6) Bromomethane	1.510	94	4045	2.672	ug/L	95
8) Chloroethane	1.577	64	3655	2.170	ug/L	99
9) Trichlorofluoromethane	1.748	101	7940	1.981	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	6136	2.714	ug/L #	78
12) 1,1-Dichloroethene	2.111	96	5814	2.805	ug/L #	1
13) Acetone	2.159	43	5801	3.958	ug/L	86
14) Carbon disulfide	2.291	76	11612	2.091	ug/L	98
15) Methyl Acetate	2.432	43	6676	2.182	ug/L	94
16) Methylene chloride	2.503	84	9282	3.290	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	4803	1.964	ug/L	93
18) Methyl tert-butyl Ether	2.767	73	17971	2.086	ug/L	96
19) 1,1-Dichloroethane	3.188	63	9736	2.042	ug/L	98
20) cis-1,2-Dichloroethene	3.911	96	5939	2.051	ug/L	98
22) 2-Butanone	3.989	43	9293m	4.357	ug/L	
23) Bromochloromethane	4.259	128	3189	2.050	ug/L	93
25) Chloroform	4.374	83	13436	2.685	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.137	62	6857	1.938	ug/L	98
29) Cyclohexane	4.677	56	7977	2.053	ug/L	87
30) 1,1,1-Trichloroethane	4.603	97	8574	1.956	ug/L #	61
31) Carbon tetrachloride	4.828	117	6935	1.839	ug/L	97
33) Benzene	5.101	78	21436	2.053	ug/L	100
34) Trichloroethene	5.915	95	6415	2.168	ug/L	89
35) Methylcyclohexane	6.130	83	8035	1.992	ug/L	97
37) 1,2-Dichloropropane	6.181	63	5451	1.959	ug/L #	88
38) Bromodichloromethane	6.516	83	7525	1.981	ug/L	95
39) cis-1,3-Dichloropropene	7.037	75	8141	1.846	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	15640	3.858	ug/L	98
42) Toluene	7.394	91	29380	2.609	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8581m	2.030	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	5655	1.996	ug/L	95
46) Tetrachloroethene	7.982	164	4138	1.893	ug/L	95
48) 2-Hexanone	8.140	43	26706	8.596	ug/L #	88
49) Dibromochloromethane	8.252	129	6236	1.932	ug/L	96
50) 1,2-Dibromoethane	8.355	107	5980	1.986	ug/L #	92
51) Chlorobenzene	8.886	112	14975	1.991	ug/L	99
52) Ethylbenzene	9.017	91	23767	1.944	ug/L	96
53) m,p-Xylene	9.143	106	9912	2.089	ug/L	92
54) o-Xylene	9.545	106	8791	1.841	ug/L	98
55) Styrene	9.570	104	14796	1.850	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.242	83	9344	2.209	ug/L	100
59) Bromoform	9.734	173	3724	1.678	ug/L #	98
60) Isopropylbenzene	9.934	105	24043	2.028	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	7396	2.169	ug/L	98
62) 1,3,5-Trimethylbenzene	10.541	105	19884	1.981	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	20514	2.008	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	11667	2.043	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	11887	2.068	ug/L	92
67) 1,2-Dichlorobenzene	11.644	146	12136	2.080	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.432	75	1397	1.556	ug/L	94
69) 1,3,5-Trichlorobenzene	12.651	180	7611	1.791	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	5573	1.555	ug/L	98
71) Naphthalene	13.509	128	14257	1.374	ug/L	98
72) 1,2,3-Trichlorobenzene	13.747	180	5456	1.532	ug/L	97

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

