

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022621\
 Data File : VX020929.D
 Acq On : 26 Feb 2021 15:55
 Operator : JC/MD
 Sample : M1344-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda

3/4/2021 11:58:35 AM

Quant Time: Feb 27 02:44:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 26 12:33:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.829	114	291910	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.094	117	263418	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.059	152	117625	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.387	65	98775	50.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.72%			
7) Chloroethane-d5	1.693	69	86024	52.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.56%			
11) 1,1-Dichloroethene-d2	2.346	63	141002	38.04	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.08%			
21) 2-Butanone-d5	4.523	46	136946	114.41	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.41%			
24) Chloroform-d	5.141	84	194853	53.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.08%			
26) 1,2-Dichloroethane-d4	6.029	65	126085	53.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.36%			
32) Benzene-d6	6.047	84	404998	51.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.94%			
36) 1,2-Dichloropropane-d6	7.370	67	125792	52.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.70%			
41) Toluene-d8	8.694	98	371178	53.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.12%			
43) trans-1,3-Dichloroprop...	8.994	79	65599	52.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.82%			
47) 2-Hexanone-d5	9.424	63	107807	110.59	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.59%			
56) 1,1,2,2-Tetrachloroeth...	11.230	84	159855	53.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.18%			
66) 1,2-Dichlorobenzene-d4	12.359	152	127399	56.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	5018	2.28	ug/L	95
3) Chloromethane	1.311	50	5058	2.57	ug/L	97
5) Vinyl chloride	1.393	62	5649	2.43	ug/L #	59
6) Bromomethane	1.629	94	3814	3.46	ug/L	99
8) Chloroethane	1.717	64	3579	2.46	ug/L	100
9) Trichlorofluoromethane	1.917	101	7221	2.38	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.364	101	6185	3.08	ug/L #	77
12) 1,1-Dichloroethene	2.352	96	5783	2.96	ug/L #	1
13) Acetone	2.417	43	4954	4.87	ug/L	93
14) Carbon disulfide	2.552	76	13451	2.37	ug/L	98
15) Methyl Acetate	2.746	43	4743	2.47	ug/L	97
16) Methylene chloride	2.835	84	6737	3.09	ug/L	99
17) trans-1,2-Dichloroethene	3.140	96	4895	2.34	ug/L	84
18) Methyl tert-butyl Ether	3.164	73	15380	2.24	ug/L	96
19) 1,1-Dichloroethane	3.670	63	8185	2.23	ug/L	99
20) cis-1,2-Dichloroethene	4.564	96	5366	2.29	ug/L	83
22) 2-Butanone	4.641	43	6175	4.28	ug/L	97
23) Bromochloromethane	4.982	128	2685	2.31	ug/L	95
25) Chloroform	5.176	83	10610	2.71	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.164	62	6998	2.43	ug/L	100
29) Cyclohexane	5.547	56	7258	2.17	ug/L	95
30) 1,1,1-Trichloroethane	5.470	97	7688m	2.28	ug/L	
31) Carbon tetrachloride	5.753	117	6141	2.19	ug/L	100
33) Benzene	6.111	78	19045	2.21	ug/L	100
34) Trichloroethene	7.188	95	5049	2.20	ug/L	92
35) Methylcyclohexane	7.435	83	7866	2.24	ug/L	95
37) 1,2-Dichloropropane	7.488	63	4990	2.31	ug/L	99
38) Bromodichloromethane	7.870	83	6584	2.20	ug/L	98
39) cis-1,3-Dichloropropene	8.412	75	7846	2.22	ug/L	95
40) 4-Methyl-2-pentanone	8.618	43	11721	4.44	ug/L	98
42) Toluene	8.765	91	20729	2.31	ug/L	93
44) trans-1,3-Dichloropropene	9.018	75	9670	2.86	ug/L	100
45) 1,1,2-Trichloroethane	9.194	97	4943	2.30	ug/L	97
46) Tetrachloroethene	9.318	164	3890	2.37	ug/L	89
48) 2-Hexanone	9.471	43	10230	5.08	ug/L	99
49) Dibromochloromethane	9.565	129	5321	2.35	ug/L	96
50) 1,2-Dibromoethane	9.653	107	5104	2.29	ug/L	100
51) Chlorobenzene	10.118	112	13069	2.30	ug/L	98
52) Ethylbenzene	10.236	91	22694	2.30	ug/L	100
53) m,p-Xylene	10.341	106	8365	2.25	ug/L	94
54) o-Xylene	10.677	106	8042	2.22	ug/L	92
55) Styrene	10.694	104	13317	2.11	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.247	83	7520	2.45	ug/L #	98
59) Bromoform	10.841	173	3563	2.40	ug/L	99
60) Isopropylbenzene	11.000	105	21342	2.37	ug/L	99
61) 1,2,3-Trichloropropane	11.277	75	5706	2.42	ug/L	99
62) 1,3,5-Trimethylbenzene	11.489	105	16697	2.26	ug/L	96
63) 1,2,4-Trimethylbenzene	11.789	105	16778	2.26	ug/L	100
64) 1,3-Dichlorobenzene	12.006	146	9324	2.42	ug/L	84
65) 1,4-Dichlorobenzene	12.083	146	9235	2.39	ug/L	95
67) 1,2-Dichlorobenzene	12.371	146	9094	2.39	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.983	75	1468	2.26	ug/L	98
69) 1,3,5-Trichlorobenzene	13.154	180	5665	2.16	ug/L	95
70) 1,2,4-trichlorobenzene	13.624	180	5358	2.31	ug/L	99
71) Naphthalene	13.818	128	16143	1.92	ug/L	98
72) 1,2,3-Trichlorobenzene	14.001	180	5160	2.19	ug/L	96

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

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