

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
 Data File : VD068654.D
 Acq On : 18 Mar 2021 15:10
 Operator : VA/SY
 Sample : M1458-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Quant Time: Mar 19 01:27:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 19 01:27:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	227021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	394414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	360692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	190303	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	112009	49.38	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.76%
35) Dibromofluoromethane	7.914	113	117843	49.60	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.20%
50) Toluene-d8	10.344	98	437948	46.28	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.56%
62) 4-Bromofluorobenzene	12.632	95	147728	48.44	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.88%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	6487	2.94	ug/l	91
3) Chloromethane	2.209	50	8357	3.00	ug/l	97
4) Vinyl Chloride	2.350	62	9955	3.01	ug/l #	81
5) Bromomethane	2.773	94	8058	3.42	ug/l	95
6) Chloroethane	2.926	64	6614	3.09	ug/l	98
7) Trichlorofluoromethane	3.273	101	12437	3.30	ug/l	87
8) Diethyl Ether	3.715	74	2815	2.51	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	8060	3.51	ug/l	90
10) Methyl Iodide	4.297	142	5833	2.39	ug/l #	95
11) Tert butyl alcohol	5.214	59	1836m	15.16	ug/l	
12) 1,1-Dichloroethene	4.073	96	7312	3.21	ug/l	97
13) Acrolein	3.926	56	1678	9.69	ug/l #	68
14) Allyl chloride	4.714	41	8413	2.86	ug/l	91
15) Acrylonitrile	5.432	53	6640	14.01	ug/l	95
16) Acetone	4.167	43	5327	14.79	ug/l	98
17) Carbon Disulfide	4.414	76	22882	3.06	ug/l	99
18) Methyl Acetate	4.726	43	3273	3.52	ug/l #	80
19) Methyl tert-butyl Ether	5.479	73	13917	2.82	ug/l	98
20) Methylene Chloride	4.973	84	28230	9.23	ug/l	87
21) trans-1,2-Dichloroethene	5.485	96	8049m	2.96	ug/l	
22) Diisopropyl ether	6.367	45	15658	2.42	ug/l #	92
23) Vinyl Acetate	6.314	43	36532	10.86	ug/l	98
24) 1,1-Dichloroethane	6.267	63	14300	3.22	ug/l #	89
25) 2-Butanone	7.214	43	6696	12.93	ug/l	95
26) 2,2-Dichloropropane	7.208	77	11622	3.14	ug/l	99
27) cis-1,2-Dichloroethene	7.220	96	8838	2.96	ug/l	84
28) Bromochloromethane	7.561	49	5195	3.00	ug/l #	75
29) Tetrahydrofuran	7.567	42	4075	12.12	ug/l	93
30) Chloroform	7.708	83	14113	3.01	ug/l	100
31) Cyclohexane	7.985	56	15600	3.78	ug/l #	82
32) 1,1,1-Trichloroethane	7.903	97	12373	3.09	ug/l #	91
36) 1,1-Dichloropropene	8.114	75	11598	3.09	ug/l	91
37) Ethyl Acetate	7.303	43	3307	2.66	ug/l #	66
38) Carbon Tetrachloride	8.097	117	10817	3.07	ug/l	95
39) Methylcyclohexane	9.355	83	13767	2.98	ug/l	92
40) Benzene	8.350	78	32690	3.04	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	1671	2.31	ug/l #	75
42) 1,2-Dichloroethane	8.426	62	8340	2.95	ug/l	99
43) Isopropyl Acetate	8.455	43	5889	2.58	ug/l #	96
44) Trichloroethene	9.108	130	9418	3.19	ug/l	88
45) 1,2-Dichloropropane	9.391	63	7336	2.85	ug/l	94
46) Dibromomethane	9.479	93	3803	2.72	ug/l	94
47) Bromodichloromethane	9.667	83	10158	2.81	ug/l	96
48) Methyl methacrylate	9.461	41	3293	2.70	ug/l	95
49) 1,4-Dioxane	9.461	88	760	47.65	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	13531	11.31	ug/l	99
52) Toluene	10.402	92	21548	3.14	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	8737	2.61	ug/l	91
54) cis-1,3-Dichloropropene	10.091	75	11249	2.76	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	5837	3.02	ug/l	95
56) Ethyl methacrylate	10.661	69	5189	2.33	ug/l #	90
57) 1,3-Dichloropropane	10.944	76	10033	2.97	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.944	63	16500	14.78	ug/l	92
59) 2-Hexanone	10.985	43	9676	12.13	ug/l	86
60) Dibromochloromethane	11.138	129	6633	2.77	ug/l	93
61) 1,2-Dibromoethane	11.249	107	5127	2.71	ug/l	99
64) Tetrachloroethene	10.879	164	8292	3.52	ug/l #	81
65) Chlorobenzene	11.673	112	22713	3.09	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.743	131	7378	2.89	ug/l	96
67) Ethyl Benzene	11.743	91	37355	2.85	ug/l	94
68) m/p-Xylenes	11.849	106	27817	5.59	ug/l	93
69) o-Xylene	12.185	106	12404	2.70	ug/l	88
70) Styrene	12.191	104	20288	2.59	ug/l	97
71) Bromoform	12.355	173	3900	3.01	ug/l #	99
73) Isopropylbenzene	12.479	105	34714	2.46	ug/l	96
74) N-amyl acetate	12.285	43	4592	1.91	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	6784	2.79	ug/l	91
76) 1,2,3-Trichloropropane	12.779	75	3426m	2.03	ug/l	
77) Bromobenzene	12.761	156	9259	2.87	ug/l	94
78) n-propylbenzene	12.820	91	46482	2.76	ug/l	97
79) 2-Chlorotoluene	12.908	91	25302	2.70	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	30110	2.60	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	1933m	2.67	ug/l	
82) 4-Chlorotoluene	13.002	91	26227	2.66	ug/l	96
83) tert-Butylbenzene	13.220	119	24687	2.51	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	29489	2.55	ug/l	100
85) sec-Butylbenzene	13.396	105	36683	2.64	ug/l	99
86) p-Isopropyltoluene	13.514	119	33642	2.66	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	18819	3.03	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	19588	3.18	ug/l	88
89) n-Butylbenzene	13.843	91	33949	2.79	ug/l	94
90) Hexachloroethane	14.102	117	6635	2.64	ug/l	86
91) 1,2-Dichlorobenzene	13.885	146	15462	2.90	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1112	2.60	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	11553	2.80	ug/l	97
94) Hexachlorobutadiene	15.261	225	6299	2.75	ug/l	94
95) Naphthalene	15.396	128	19229	2.58	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	9491	2.66	ug/l	96

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

