

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031721\
 Data File : VD068637.D
 Acq On : 17 Mar 2021 14:57
 Operator : VA/SY
 Sample : M1458-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 2:18:03 PM

Quant Time: Mar 18 01:29:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 01:28:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	222551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	390907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	365699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	196501	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	115752	52.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.12%			
35) Dibromofluoromethane	7.920	113	119040	50.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.10%			
50) Toluene-d8	10.343	98	444510	47.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.78%			
62) 4-Bromofluorobenzene	12.631	95	151735	50.20	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.40%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	9918	4.59	ug/l	87
3) Chloromethane	2.208	50	13388	4.91	ug/l	98
4) Vinyl Chloride	2.350	62	15497	4.78	ug/l	97
5) Bromomethane	2.773	94	12761	5.53	ug/l	85
6) Chloroethane	2.920	64	9520	4.54	ug/l	94
7) Trichlorofluoromethane	3.267	101	17892	4.84	ug/l	91
8) Diethyl Ether	3.714	74	5121	4.65	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.102	101	11367	5.05	ug/l	94
10) Methyl Iodide	4.297	142	9364	3.91	ug/l #	69
11) Tert butyl alcohol	5.232	59	4425m	37.27	ug/l	
12) 1,1-Dichloroethene	4.067	96	10238	4.58	ug/l #	78
13) Acrolein	3.932	56	2879	16.97	ug/l	93
14) Allyl chloride	4.720	41	12083	4.19	ug/l #	82
15) Acrylonitrile	5.426	53	11623	25.02	ug/l #	71
16) Acetone	4.161	43	9294	26.31	ug/l #	86
17) Carbon Disulfide	4.414	76	34555	4.72	ug/l	99
18) Methyl Acetate	4.714	43	4898	5.38	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	25311	5.22	ug/l	94
20) Methylene Chloride	4.967	84	22357	7.46	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	15021	5.63	ug/l	88
22) Diisopropyl ether	6.361	45	26393	4.15	ug/l #	92
23) Vinyl Acetate	6.308	43	63966m	19.40	ug/l	
24) 1,1-Dichloroethane	6.267	63	20722	4.76	ug/l	93
25) 2-Butanone	7.220	43	12410	24.44	ug/l	100
26) 2,2-Dichloropropane	7.208	77	17808	4.91	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	13962	4.77	ug/l	96
28) Bromochloromethane	7.549	49	8387	4.93	ug/l	90
29) Tetrahydrofuran	7.567	42	6941	21.05	ug/l	95
30) Chloroform	7.714	83	22375	4.86	ug/l	87
31) Cyclohexane	7.985	56	20790	5.14	ug/l #	90
32) 1,1,1-Trichloroethane	7.908	97	19544	4.98	ug/l	95
36) 1,1-Dichloropropene	8.114	75	16027	4.31	ug/l	95
37) Ethyl Acetate	7.291	43	6017	4.88	ug/l #	78
38) Carbon Tetrachloride	8.102	117	15520	4.45	ug/l	98
39) Methylcyclohexane	9.361	83	19224	4.19	ug/l	91
40) Benzene	8.355	78	50109	4.70	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	3031	4.24	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	13323	4.75	ug/l	99
43) Isopropyl Acetate	8.449	43	10497	4.63	ug/l	97
44) Trichloroethene	9.114	130	13434	4.59	ug/l	99
45) 1,2-Dichloropropane	9.390	63	11859	4.65	ug/l #	86
46) Dibromomethane	9.479	93	6759	4.88	ug/l	92
47) Bromodichloromethane	9.667	83	16573	4.62	ug/l	98
48) Methyl methacrylate	9.455	41	5513	4.56	ug/l #	93
49) 1,4-Dioxane	9.461	88	1676	106.02	ug/l #	77
51) 4-Methyl-2-Pentanone	10.226	43	25058	21.13	ug/l	97
52) Toluene	10.402	92	31040	4.56	ug/l	94
53) t-1,3-Dichloropropene	10.626	75	15359	4.63	ug/l	90
54) cis-1,3-Dichloropropene	10.096	75	18580	4.60	ug/l #	91
55) 1,1,2-Trichloroethane	10.802	97	9362	4.88	ug/l	92
56) Ethyl methacrylate	10.661	69	8729	3.96	ug/l	95
57) 1,3-Dichloropropane	10.943	76	15808	4.72	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.943	63	24714	22.34	ug/l	94
59) 2-Hexanone	10.984	43	16814	21.27	ug/l	97
60) Dibromochloromethane	11.143	129	11732	4.94	ug/l	98
61) 1,2-Dibromoethane	11.243	107	9144	4.87	ug/l	94
64) Tetrachloroethene	10.873	164	11637	4.87	ug/l	95
65) Chlorobenzene	11.673	112	34912	4.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	12367	4.78	ug/l	98
67) Ethyl Benzene	11.743	91	56237	4.23	ug/l	100
68) m/p-Xylenes	11.855	106	42846	8.49	ug/l	99
69) o-Xylene	12.178	106	18853	4.05	ug/l	98
70) Styrene	12.196	104	33091	4.16	ug/l	97
71) Bromoform	12.361	173	6722	5.11	ug/l #	89
73) Isopropylbenzene	12.478	105	52340	3.59	ug/l	98
74) N-amyl acetate	12.284	43	8806	3.55	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.731	83	11069	4.41	ug/l	97
76) 1,2,3-Trichloropropane	12.784	75	7393m	4.24	ug/l	
77) Bromobenzene	12.755	156	14143	4.25	ug/l	95
78) n-propylbenzene	12.820	91	69216	3.97	ug/l	100
79) 2-Chlorotoluene	12.902	91	39627	4.10	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	47705	3.99	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	3099	4.15	ug/l	100
82) 4-Chlorotoluene	13.002	91	41873	4.12	ug/l	99
83) tert-Butylbenzene	13.220	119	39688	3.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	44112	3.69	ug/l	99
85) sec-Butylbenzene	13.402	105	56125	3.91	ug/l	98
86) p-Isopropyltoluene	13.514	119	50786	3.89	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	29392	4.58	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	29387	4.62	ug/l	95
89) n-Butylbenzene	13.837	91	50329	4.00	ug/l	97
90) Hexachloroethane	14.108	117	10285	3.97	ug/l	90
91) 1,2-Dichlorobenzene	13.884	146	26485	4.81	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2256	5.10	ug/l	63
93) 1,2,4-Trichlorobenzene	15.161	180	16896	3.97	ug/l	93
94) Hexachlorobutadiene	15.267	225	9792	4.15	ug/l	97
95) Naphthalene	15.396	128	27522	3.57	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	14440	3.92	ug/l	96

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

