

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069151.D
 Acq On : 13 May 2021 12:24
 Operator : VA/SY
 Sample : M2262-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:49:19 PM

Quant Time: May 14 02:04:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 14 02:03:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	267131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	461931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	438186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	200877	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	145110	54.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.38%			
35) Dibromofluoromethane	7.920	113	150488	50.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.12%			
50) Toluene-d8	10.338	98	546726	49.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.00%			
62) 4-Bromofluorobenzene	12.632	95	170147	47.87	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.74%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	8920	3.14	ug/l	97
3) Chloromethane	2.209	50	10106	3.10	ug/l	92
4) Vinyl Chloride	2.350	62	13017	3.03	ug/l	92
5) Bromomethane	2.773	94	12486	3.86	ug/l	88
6) Chloroethane	2.926	64	9241	3.34	ug/l	92
7) Trichlorofluoromethane	3.273	101	16450	3.13	ug/l	97
8) Diethyl Ether	3.720	74	3437	2.87	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.103	101	10216	3.43	ug/l	98
10) Methyl Iodide	4.309	142	6530	2.30	ug/l	94
11) Tert butyl alcohol	5.191	59	8617	47.08	ug/l #	73
12) 1,1-Dichloroethene	4.073	96	8790	3.29	ug/l #	75
13) Acrolein	3.920	56	2358	10.82	ug/l #	82
14) Allyl chloride	4.720	41	7982	2.72	ug/l	91
15) Acrylonitrile	5.432	53	6512	14.56	ug/l #	64
16) Acetone	4.167	43	7629	18.60	ug/l	91
17) Carbon Disulfide	4.415	76	27170	3.07	ug/l #	94
18) Methyl Acetate	4.732	43	3543m	3.56	ug/l	
19) Methyl tert-butyl Ether	5.485	73	12335	2.54	ug/l	98
20) Methylene Chloride	4.967	84	26965	6.21	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	9296	2.93	ug/l	94
22) Diisopropyl ether	6.361	45	13741	2.35	ug/l	91
23) Vinyl Acetate	6.309	43	37980	10.99	ug/l	96
24) 1,1-Dichloroethane	6.261	63	15095	2.98	ug/l	98
25) 2-Butanone	7.214	43	8124	14.62	ug/l	96
26) 2,2-Dichloropropane	7.214	77	14722	3.11	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	9354	2.72	ug/l	95
28) Bromochloromethane	7.550	49	5072	2.81	ug/l #	96
29) Tetrahydrofuran	7.561	42	3400	11.25	ug/l #	87
30) Chloroform	7.714	83	17135	3.01	ug/l	88
31) Cyclohexane	7.985	56	16571	4.18	ug/l #	64
32) 1,1,1-Trichloroethane	7.908	97	16612	3.21	ug/l	96
36) 1,1-Dichloropropene	8.108	75	12548	2.79	ug/l	97
37) Ethyl Acetate	7.297	43	4443	3.08	ug/l #	92
38) Carbon Tetrachloride	8.103	117	14742	2.94	ug/l #	85
39) Methylcyclohexane	9.355	83	12935	2.73	ug/l	90
40) Benzene	8.350	78	37149	2.89	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1873	2.44	ug/l #	13
42) 1,2-Dichloroethane	8.426	62	10442	2.97	ug/l	91
43) Isopropyl Acetate	8.455	43	7008	2.67	ug/l #	58
44) Trichloroethene	9.108	130	10801	3.00	ug/l	76
45) 1,2-Dichloropropane	9.391	63	8405	2.77	ug/l #	87
46) Dibromomethane	9.479	93	5132	2.83	ug/l	99
47) Bromodichloromethane	9.661	83	13275	2.87	ug/l	96
48) Methyl methacrylate	9.455	41	3407	2.81	ug/l #	81
49) 1,4-Dioxane	9.461	88	1305	76.45	ug/l #	76
51) 4-Methyl-2-Pentanone	10.226	43	16733	12.41	ug/l	97
52) Toluene	10.402	92	22320	2.69	ug/l	91
53) t-1,3-Dichloropropene	10.620	75	10441	2.57	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	13185	2.72	ug/l #	90
55) 1,1,2-Trichloroethane	10.797	97	6610	2.70	ug/l	93
56) Ethyl methacrylate	10.661	69	5602	2.29	ug/l	92
57) 1,3-Dichloropropane	10.944	76	10972	2.78	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.938	63	14731	12.16	ug/l	97
59) 2-Hexanone	10.979	43	10820	12.03	ug/l	91
60) Dibromochloromethane	11.144	129	8503	2.71	ug/l	92
61) 1,2-Dibromoethane	11.244	107	6713	2.78	ug/l	97
64) Tetrachloroethene	10.873	164	9584	3.15	ug/l	85
65) Chlorobenzene	11.667	112	26532	2.92	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	9285	2.71	ug/l	90
67) Ethyl Benzene	11.744	91	39034	2.50	ug/l #	87
68) m/p-Xylenes	11.855	106	29230	4.77	ug/l	99
69) o-Xylene	12.179	106	12309	2.26	ug/l	93
70) Styrene	12.191	104	20664	2.17	ug/l	98
71) Bromoform	12.361	173	4861	2.73	ug/l #	96
73) Isopropylbenzene	12.479	105	34514	2.46	ug/l	99
74) N-amyl acetate	12.285	43	5370	2.34	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.726	83	6886	2.71	ug/l	89
76) 1,2,3-Trichloropropane	12.773	75	4916m	3.26	ug/l	
77) Bromobenzene	12.755	156	9662	2.90	ug/l	96
78) n-propylbenzene	12.814	91	47571	2.81	ug/l	99
79) 2-Chlorotoluene	12.908	91	26643	2.83	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	29580	2.56	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	1941m	2.60	ug/l	
82) 4-Chlorotoluene	13.002	91	26709	2.66	ug/l	100
83) tert-Butylbenzene	13.220	119	23737	2.46	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	27615	2.37	ug/l	100
85) sec-Butylbenzene	13.396	105	37557	2.59	ug/l	98
86) p-Isopropyltoluene	13.508	119	28446	2.23	ug/l	97
87) 1,3-Dichlorobenzene	13.514	146	19372	2.87	ug/l	97
88) 1,4-Dichlorobenzene	13.596	146	20898	3.13	ug/l	82
89) n-Butylbenzene	13.838	91	29088	2.45	ug/l	98
90) Hexachloroethane	14.102	117	7174	3.00	ug/l	87
91) 1,2-Dichlorobenzene	13.885	146	15622	2.70	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1323	3.35	ug/l	67
93) 1,2,4-Trichlorobenzene	15.155	180	10656	3.00	ug/l	100
94) Hexachlorobutadiene	15.255	225	6135	2.88	ug/l	98
95) Naphthalene	15.390	128	14644	2.46	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.590	180	8191	2.70	ug/l	92

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

