

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031221\
 Data File : VD068601.D
 Acq On : 12 Mar 2021 12:44
 Operator : VA/SY
 Sample : MDL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:39:49 PM

Quant Time: Mar 13 00:22:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 00:21:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	285936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	487784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	446326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	238445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139656	48.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.76%		
35) Dibromofluoromethane	7.914	113	144318	49.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.22%		
50) Toluene-d8	10.338	98	536215	45.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.62%		
62) 4-Bromofluorobenzene	12.632	95	181044	48.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.00%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	8327	3.00	ug/l	87
3) Chloromethane	2.209	50	10316	2.94	ug/l	98
4) Vinyl Chloride	2.350	62	12621	3.03	ug/l	89
5) Bromomethane	2.773	94	10218	3.45	ug/l	86
6) Chloroethane	2.926	64	7956	2.95	ug/l	95
7) Trichlorofluoromethane	3.279	101	15867	3.34	ug/l #	81
8) Diethyl Ether	3.709	74	4046m	2.86	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.091	101	9784	3.38	ug/l	90
10) Methyl Iodide	4.309	142	7873	2.56	ug/l	91
11) Tert butyl alcohol	5.214	59	3874	25.40	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	8477	2.95	ug/l	94
13) Acrolein	3.944	56	2491	11.43	ug/l #	14
14) Allyl chloride	4.714	41	9430	2.54	ug/l	93
15) Acrylonitrile	5.414	53	9600	16.08	ug/l	90
16) Acetone	4.150	43	7946	17.51	ug/l	99
17) Carbon Disulfide	4.414	76	27287	2.90	ug/l	97
18) Methyl Acetate	4.714	43	3580	3.06	ug/l	91
19) Methyl tert-butyl Ether	5.491	73	19591	3.15	ug/l #	88
20) Methylene Chloride	4.967	84	26041	6.76	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	11639	3.39	ug/l #	78
22) Diisopropyl ether	6.356	45	20581	2.52	ug/l	94
23) Vinyl Acetate	6.308	43	45782	10.81	ug/l	100
24) 1,1-Dichloroethane	6.267	63	16913	3.02	ug/l	94
25) 2-Butanone	7.214	43	9247	14.18	ug/l	96
26) 2,2-Dichloropropane	7.208	77	15198	3.26	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	10595	2.81	ug/l	99
28) Bromochloromethane	7.544	49	5698	2.61	ug/l #	89
29) Tetrahydrofuran	7.567	42	5076	11.98	ug/l	96
30) Chloroform	7.708	83	18211	3.08	ug/l	89
31) Cyclohexane	7.985	56	18476	3.56	ug/l #	74
32) 1,1,1-Trichloroethane	7.902	97	16011	3.17	ug/l	96
36) 1,1-Dichloropropene	8.108	75	14263	3.08	ug/l	94
37) Ethyl Acetate	7.303	43	4505	2.93	ug/l #	87
38) Carbon Tetrachloride	8.097	117	12574	2.89	ug/l	94
39) Methylcyclohexane	9.355	83	17210	3.01	ug/l	90
40) Benzene	8.350	78	39258	2.95	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	2026m	2.27	ug/l	
42) 1,2-Dichloroethane	8.426	62	10639	3.04	ug/l	97
43) Isopropyl Acetate	8.455	43	7997	2.83	ug/l #	56
44) Trichloroethene	9.114	130	11666	3.20	ug/l	94
45) 1,2-Dichloropropane	9.397	63	9225	2.90	ug/l	91
46) Dibromomethane	9.479	93	5553	3.21	ug/l	87
47) Bromodichloromethane	9.667	83	12433	2.78	ug/l	95
48) Methyl methacrylate	9.455	41	3668	2.43	ug/l	85
49) 1,4-Dioxane	9.455	88	493	24.99	ug/l #	18
51) 4-Methyl-2-Pentanone	10.226	43	18715	12.65	ug/l	96
52) Toluene	10.402	92	24651	2.90	ug/l	95
53) t-1,3-Dichloropropene	10.626	75	12120	2.93	ug/l #	86
54) cis-1,3-Dichloropropene	10.085	75	13513	2.68	ug/l	91
55) 1,1,2-Trichloroethane	10.796	97	7223	3.02	ug/l	93
56) Ethyl methacrylate	10.667	69	6730	2.45	ug/l #	85
57) 1,3-Dichloropropane	10.944	76	11810	2.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	17870	12.95	ug/l	100
59) 2-Hexanone	10.985	43	12202	12.37	ug/l	99
60) Dibromochloromethane	11.144	129	9390	3.17	ug/l	91
61) 1,2-Dibromoethane	11.243	107	6809	2.91	ug/l	96
64) Tetrachloroethene	10.873	164	9522	3.27	ug/l	95
65) Chlorobenzene	11.673	112	27066	2.98	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	9917	3.14	ug/l	94
67) Ethyl Benzene	11.743	91	44918	2.77	ug/l	94
68) m/p-Xylenes	11.855	106	34729	5.64	ug/l	98
69) o-Xylene	12.185	106	15772	2.78	ug/l	87
70) Styrene	12.196	104	25104	2.59	ug/l	97
71) Bromoform	12.361	173	5644	3.52	ug/l #	85
73) Isopropylbenzene	12.479	105	42565	2.41	ug/l	99
74) N-amyl acetate	12.285	43	7034	2.33	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	8201	2.70	ug/l	95
76) 1,2,3-Trichloropropane	12.779	75	5859m	2.77	ug/l	
77) Bromobenzene	12.761	156	11114	2.75	ug/l	94
78) n-propylbenzene	12.820	91	55494	2.63	ug/l	96
79) 2-Chlorotoluene	12.902	91	31414	2.68	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	35618	2.46	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.532	75	2097m	2.31	ug/l	
82) 4-Chlorotoluene	13.002	91	30349	2.46	ug/l	92
83) tert-Butylbenzene	13.220	119	31433	2.55	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	34528	2.38	ug/l	97
85) sec-Butylbenzene	13.396	105	47048	2.70	ug/l	99
86) p-Isopropyltoluene	13.514	119	41065	2.59	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	23585	3.03	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	24571	3.18	ug/l	91
89) n-Butylbenzene	13.837	91	42359	2.78	ug/l	94
90) Hexachloroethane	14.108	117	9008	2.86	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	21059	3.15	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1660	3.10	ug/l	84
93) 1,2,4-Trichlorobenzene	15.161	180	14536	2.81	ug/l	99
94) Hexachlorobutadiene	15.267	225	8934	3.12	ug/l	96
95) Naphthalene	15.396	128	23563	2.52	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	12276	2.75	ug/l	96

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

