

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069140.D
 Acq On : 12 May 2021 17:04
 Operator : VA/SY
 Sample : VD0512SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:05:59 PM

Quant Time: May 13 04:18:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	306075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	508956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	482952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	228632	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	147377	48.03	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.06%		
35) Dibromofluoromethane	7.914	113	162916	49.19	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.38%		
50) Toluene-d8	10.337	98	587078	48.24	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.48%		
62) 4-Bromofluorobenzene	12.626	95	198946	50.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	63634	19.55	ug/l	98
3) Chloromethane	2.208	50	74362	19.88	ug/l	96
4) Vinyl Chloride	2.350	62	93881	19.04	ug/l	99
5) Bromomethane	2.761	94	75359	20.32	ug/l	97
6) Chloroethane	2.914	64	53112	16.75	ug/l	99
7) Trichlorofluoromethane	3.273	101	134923	22.43	ug/l	100
8) Diethyl Ether	3.708	74	28269	20.59	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	69456	20.38	ug/l	96
10) Methyl Iodide	4.297	142	55995	16.42	ug/l	97
11) Tert butyl alcohol	5.214	59	25330	142.36	ug/l #	82
12) 1,1-Dichloroethene	4.073	96	60909	19.89	ug/l	99
13) Acrolein	3.926	56	22306	89.35	ug/l	100
14) Allyl chloride	4.708	41	67931	20.22	ug/l	95
15) Acrylonitrile	5.426	53	50094	97.76	ug/l	100
16) Acetone	4.161	43	40012	85.14	ug/l	98
17) Carbon Disulfide	4.408	76	197348	19.44	ug/l	99
18) Methyl Acetate	4.726	43	22021	19.29	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	109641	19.73	ug/l	98
20) Methylene Chloride	4.961	84	99012	20.55	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	71833	19.79	ug/l	98
22) Diisopropyl ether	6.361	45	137923	20.56	ug/l	98
23) Vinyl Acetate	6.308	43	388819	98.20	ug/l	100
24) 1,1-Dichloroethane	6.261	63	116404	20.08	ug/l	98
25) 2-Butanone	7.214	43	58304	91.56	ug/l	98
26) 2,2-Dichloropropane	7.208	77	104282	19.24	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	79580	20.19	ug/l	96
28) Bromochloromethane	7.543	49	42457	20.55	ug/l	99
29) Tetrahydrofuran	7.567	42	32917	95.09	ug/l	96
30) Chloroform	7.714	83	130072	19.93	ug/l	90
31) Cyclohexane	7.985	56	89103	19.59	ug/l	88
32) 1,1,1-Trichloroethane	7.902	97	117741	19.89	ug/l	99
36) 1,1-Dichloropropene	8.114	75	96513	19.51	ug/l	98
37) Ethyl Acetate	7.291	43	30607	19.25	ug/l	99
38) Carbon Tetrachloride	8.096	117	104520	18.90	ug/l	97
39) Methylcyclohexane	9.355	83	95269	18.25	ug/l	92
40) Benzene	8.349	78	279283	19.70	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	18975	22.42	ug/l #	64
42) 1,2-Dichloroethane	8.426	62	75237	19.44	ug/l	100
43) Isopropyl Acetate	8.449	43	54356	18.83	ug/l	99
44) Trichloroethene	9.114	130	75660	19.10	ug/l	97
45) 1,2-Dichloropropane	9.390	63	65213	19.49	ug/l	92
46) Dibromomethane	9.473	93	39059	19.53	ug/l	98
47) Bromodichloromethane	9.661	83	103018	20.24	ug/l	94
48) Methyl methacrylate	9.461	41	24024	18.00	ug/l	87
49) 1,4-Dioxane	9.461	88	7480	373.06	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	140462	94.57	ug/l	97
52) Toluene	10.402	92	180179	19.70	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	87515	19.57	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	104240	19.50	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	51245	19.01	ug/l	98
56) Ethyl methacrylate	10.661	69	52167	18.59	ug/l	98
57) 1,3-Dichloropropane	10.943	76	84406	19.38	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.937	63	133266	99.87	ug/l	99
59) 2-Hexanone	10.984	43	89900	90.70	ug/l	99
60) Dibromochloromethane	11.137	129	68709	19.85	ug/l	98
61) 1,2-Dibromoethane	11.243	107	51092	19.18	ug/l	97
64) Tetrachloroethene	10.873	164	64219	19.13	ug/l	95
65) Chlorobenzene	11.667	112	194987	19.48	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.743	131	72597	19.23	ug/l	100
67) Ethyl Benzene	11.743	91	331761	19.26	ug/l	98
68) m/p-Xylenes	11.849	106	263047	38.97	ug/l	98
69) o-Xylene	12.179	106	117568	19.58	ug/l	99
70) Styrene	12.190	104	208785	19.92	ug/l	97
71) Bromoform	12.355	173	36260	18.47	ug/l #	93
73) Isopropylbenzene	12.479	105	333687	20.88	ug/l	100
74) N-amyl acetate	12.284	43	51109	19.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	57105	19.72	ug/l	98
76) 1,2,3-Trichloropropane	12.784	75	36162m	21.04	ug/l	
77) Bromobenzene	12.761	156	78183	20.62	ug/l	97
78) n-propylbenzene	12.820	91	389253	20.19	ug/l	99
79) 2-Chlorotoluene	12.902	91	216745	20.20	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	267934	20.34	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	16597	19.51	ug/l	99
82) 4-Chlorotoluene	13.002	91	230644	20.18	ug/l	97
83) tert-Butylbenzene	13.220	119	223122	20.32	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	269467	20.33	ug/l	99
85) sec-Butylbenzene	13.396	105	323207	19.58	ug/l	99
86) p-Isopropyltoluene	13.508	119	283449	19.54	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	152532	19.88	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	155329	20.43	ug/l	98
89) n-Butylbenzene	13.837	91	259341	19.19	ug/l	98
90) Hexachloroethane	14.102	117	53313	19.61	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	130106	19.74	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8158	18.15	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	76242	18.88	ug/l	96
94) Hexachlorobutadiene	15.261	225	44518	18.37	ug/l	98
95) Naphthalene	15.396	128	124290	17.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	64543	18.68	ug/l	98

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

