

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030321\
 Data File : VD068503.D
 Acq On : 03 Mar 2021 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2021 2:04:16 PM

Quant Time: Mar 04 00:00:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	343616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	554124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	498428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	239206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	153885	44.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.64%		
35) Dibromofluoromethane	7.914	113	168239	50.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.80%		
50) Toluene-d8	10.344	98	658723	49.54	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.08%		
62) 4-Bromofluorobenzene	12.632	95	210586	49.14	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.28%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	161072	48.30	ug/l	98
3) Chloromethane	2.209	50	184007	43.66	ug/l	97
4) Vinyl Chloride	2.350	62	236771	47.32	ug/l	99
5) Bromomethane	2.767	94	161061	45.20	ug/l	98
6) Chloroethane	2.926	64	145954	45.11	ug/l	96
7) Trichlorofluoromethane	3.273	101	282884	49.56	ug/l	97
8) Diethyl Ether	3.703	74	76246	44.86	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	171373	49.28	ug/l	95
10) Methyl Iodide	4.303	142	183156	44.35	ug/l	94
11) Tert butyl alcohol	5.214	59	36750	200.49	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	165265	47.89	ug/l	94
13) Acrolein	3.926	56	59479	227.03	ug/l	96
14) Allyl chloride	4.714	41	197741	44.38	ug/l	97
15) Acrylonitrile	5.420	53	155217	216.39	ug/l	99
16) Acetone	4.156	43	144341	264.68	ug/l	89
17) Carbon Disulfide	4.414	76	523950	46.34	ug/l	100
18) Methyl Acetate	4.720	43	61076	43.45	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	337452	45.10	ug/l #	91
20) Methylene Chloride	4.961	84	180633	43.77	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	190015	46.12	ug/l	94
22) Diisopropyl ether	6.367	45	424962	43.31	ug/l	95
23) Vinyl Acetate	6.303	43	1121558	220.32	ug/l	97
24) 1,1-Dichloroethane	6.267	63	304152	45.22	ug/l	98
25) 2-Butanone	7.214	43	172898	220.56	ug/l	94
26) 2,2-Dichloropropane	7.214	77	276223	49.30	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	208541	46.10	ug/l	98
28) Bromochloromethane	7.550	49	114323	43.55	ug/l	87
29) Tetrahydrofuran	7.561	42	106344	208.92	ug/l	99
30) Chloroform	7.708	83	322911	45.46	ug/l	98
31) Cyclohexane	7.985	56	279552	44.77	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	292604	48.27	ug/l	97
36) 1,1-Dichloropropene	8.114	75	259568	49.28	ug/l	98
37) Ethyl Acetate	7.285	43	79404	45.44	ug/l	99
38) Carbon Tetrachloride	8.097	117	255070	51.54	ug/l	99
39) Methylcyclohexane	9.355	83	334412	51.48	ug/l	98
40) Benzene	8.350	78	725312	48.01	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	54105m	53.34	ug/l	
42) 1,2-Dichloroethane	8.426	62	185079	46.58	ug/l	99
43) Isopropyl Acetate	8.455	43	151968	47.31	ug/l	99
44) Trichloroethene	9.114	130	207778	50.10	ug/l	96
45) 1,2-Dichloropropane	9.391	63	174012	48.18	ug/l	95
46) Dibromomethane	9.473	93	95535	48.62	ug/l	94
47) Bromodichloromethane	9.661	83	248626	48.92	ug/l	97
48) Methyl methacrylate	9.455	41	72104	42.12	ug/l	85
49) 1,4-Dioxane	9.455	88	20085	896.29	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	389843	231.94	ug/l	99
52) Toluene	10.402	92	476217	49.36	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	233837	49.78	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	275225	48.02	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	131630	48.41	ug/l	94
56) Ethyl methacrylate	10.661	69	151764	48.55	ug/l	97
57) 1,3-Dichloropropane	10.949	76	219624	46.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	368648	235.09	ug/l	95
59) 2-Hexanone	10.985	43	279207	249.22	ug/l	99
60) Dibromochloromethane	11.138	129	167610	49.79	ug/l	99
61) 1,2-Dibromoethane	11.243	107	128317	48.22	ug/l	99
64) Tetrachloroethene	10.879	164	166868	51.27	ug/l	98
65) Chlorobenzene	11.667	112	506790	49.93	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.743	131	182472	51.72	ug/l	98
67) Ethyl Benzene	11.743	91	925242	51.07	ug/l	99
68) m/p-Xylenes	11.855	106	712310	103.51	ug/l	99
69) o-Xylene	12.179	106	324847	51.26	ug/l	94
70) Styrene	12.196	104	561621	51.82	ug/l	98
71) Bromoform	12.361	173	94777	52.87	ug/l #	98
73) Isopropylbenzene	12.479	105	900661	50.77	ug/l	100
74) N-amyl acetate	12.291	43	143779	47.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	141057	46.21	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	101656m	47.87	ug/l	
77) Bromobenzene	12.761	156	200586	49.54	ug/l	96
78) n-propylbenzene	12.820	91	1067378	50.35	ug/l	98
79) 2-Chlorotoluene	12.908	91	572808	48.68	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	736997	50.68	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	45905	50.45	ug/l	94
82) 4-Chlorotoluene	13.002	91	611207	49.37	ug/l	99
83) tert-Butylbenzene	13.220	119	648029	52.34	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	731185	50.21	ug/l	97
85) sec-Butylbenzene	13.402	105	917630	52.47	ug/l	99
86) p-Isopropyltoluene	13.514	119	828569	52.19	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	391328	50.04	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	382112	49.32	ug/l	99
89) n-Butylbenzene	13.843	91	792367	51.74	ug/l	98
90) Hexachloroethane	14.108	117	165346	52.41	ug/l	92
91) 1,2-Dichlorobenzene	13.890	146	336919	50.24	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	24709	45.93	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	265160	51.18	ug/l	99
94) Hexachlorobutadiene	15.267	225	155919	54.23	ug/l	99
95) Naphthalene	15.396	128	448527	47.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	224769	50.12	ug/l	98

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

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