

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068501.D
 Acq On : 02 Mar 2021 17:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 11:00:03 AM

Quant Time: Mar 02 23:59:59 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	347735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	584041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	548641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	264686	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	161250	46.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.82%		
35) Dibromofluoromethane	7.914	113	174531	49.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.22%		
50) Toluene-d8	10.344	98	657592	46.93	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.86%		
62) 4-Bromofluorobenzene	12.632	95	222383	49.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	145239	43.04	ug/l	96
3) Chloromethane	2.209	50	179475	42.08	ug/l	97
4) Vinyl Chloride	2.350	62	217327	42.92	ug/l	99
5) Bromomethane	2.762	94	154343	42.80	ug/l	100
6) Chloroethane	2.921	64	144992	44.28	ug/l	96
7) Trichlorofluoromethane	3.273	101	268305	46.45	ug/l	97
8) Diethyl Ether	3.709	74	81553	47.42	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	163768	46.53	ug/l	96
10) Methyl Iodide	4.303	142	181597	43.51	ug/l	95
11) Tert butyl alcohol	5.226	59	41728	224.95	ug/l #	74
12) 1,1-Dichloroethene	4.068	96	158503	45.39	ug/l	95
13) Acrolein	3.926	56	65201	245.92	ug/l	99
14) Allyl chloride	4.715	41	185159	41.07	ug/l	95
15) Acrylonitrile	5.420	53	167227	230.37	ug/l	99
16) Acetone	4.156	43	112636	204.10	ug/l	92
17) Carbon Disulfide	4.409	76	489910	42.82	ug/l	99
18) Methyl Acetate	4.720	43	67307	47.32	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	365933	48.33	ug/l	97
20) Methylene Chloride	4.973	84	190611	45.84	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	192634	46.20	ug/l	98
22) Diisopropyl ether	6.367	45	435437	43.85	ug/l	95
23) Vinyl Acetate	6.309	43	1166059	226.35	ug/l	99
24) 1,1-Dichloroethane	6.267	63	302668	44.47	ug/l	100
25) 2-Butanone	7.214	43	177364	223.58	ug/l	99
26) 2,2-Dichloropropane	7.209	77	251917	44.43	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	214920	46.95	ug/l	98
28) Bromochloromethane	7.550	49	119751	45.08	ug/l	93
29) Tetrahydrofuran	7.561	42	117336	227.78	ug/l	97
30) Chloroform	7.714	83	334725	46.57	ug/l	97
31) Cyclohexane	7.985	56	255710	40.47	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	286769	46.74	ug/l	98
36) 1,1-Dichloropropene	8.114	75	248900	44.83	ug/l	98
37) Ethyl Acetate	7.297	43	86042	46.71	ug/l	97
38) Carbon Tetrachloride	8.097	117	249503	47.83	ug/l	99
39) Methylcyclohexane	9.355	83	313902	45.85	ug/l	94
40) Benzene	8.350	78	729303	45.80	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	54488m	50.96	ug/l	
42) 1,2-Dichloroethane	8.426	62	202202	48.29	ug/l	99
43) Isopropyl Acetate	8.456	43	162725	48.07	ug/l	100
44) Trichloroethene	9.114	130	210552	48.17	ug/l	99
45) 1,2-Dichloropropane	9.385	63	176056	46.24	ug/l	100
46) Dibromomethane	9.479	93	104156	50.29	ug/l	97
47) Bromodichloromethane	9.661	83	262570	49.01	ug/l	98
48) Methyl methacrylate	9.456	41	75992	42.11	ug/l #	82
49) 1,4-Dioxane	9.467	88	23350	988.62	ug/l	95
51) 4-Methyl-2-Pentanone	10.232	43	425134	239.98	ug/l	98
52) Toluene	10.403	92	488926	48.08	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	241799	48.83	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	284506	47.09	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	143239	49.98	ug/l	94
56) Ethyl methacrylate	10.661	69	171540	52.07	ug/l	95
57) 1,3-Dichloropropane	10.950	76	242341	48.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	440192	266.34	ug/l	95
59) 2-Hexanone	10.985	43	288343	244.19	ug/l	98
60) Dibromochloromethane	11.144	129	189388	53.38	ug/l	96
61) 1,2-Dibromoethane	11.250	107	143321	51.10	ug/l	98
64) Tetrachloroethene	10.879	164	173585	48.45	ug/l	97
65) Chlorobenzene	11.673	112	535253	47.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	193935	49.93	ug/l	98
67) Ethyl Benzene	11.744	91	939926	47.13	ug/l	99
68) m/p-Xylenes	11.855	106	718885	94.91	ug/l	98
69) o-Xylene	12.179	106	338605	48.54	ug/l	92
70) Styrene	12.197	104	583130	48.88	ug/l	98
71) Bromoform	12.361	173	104080	52.75	ug/l #	100
73) Isopropylbenzene	12.479	105	894916	45.59	ug/l	100
74) N-amyl acetate	12.285	43	149881	44.82	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	162017	47.97	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	111831m	47.59	ug/l	
77) Bromobenzene	12.761	156	216002	48.22	ug/l	98
78) n-propylbenzene	12.820	91	1049151	44.73	ug/l	99
79) 2-Chlorotoluene	12.908	91	577577	44.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	743216	46.19	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	46034	45.72	ug/l	98
82) 4-Chlorotoluene	13.002	91	608858	44.45	ug/l	100
83) tert-Butylbenzene	13.220	119	641435	46.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	745841	46.29	ug/l	96
85) sec-Butylbenzene	13.402	105	873701	45.15	ug/l	100
86) p-Isopropyltoluene	13.514	119	812127	46.23	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	406372	46.97	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	400773	46.75	ug/l	99
89) n-Butylbenzene	13.838	91	767429	45.29	ug/l	99
90) Hexachloroethane	14.108	117	157821	45.21	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	375483	50.60	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	27021	45.39	ug/l	99
93) 1,2,4-Trichlorobenzene	15.161	180	277501	48.41	ug/l	100
94) Hexachlorobutadiene	15.267	225	150271	47.23	ug/l	100
95) Naphthalene	15.396	128	524373	50.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	241626	48.69	ug/l	99

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

