

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068438.D
 Acq On : 24 Feb 2021 16:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:16:52 PM

Quant Time: Feb 25 00:12:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	296649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	520565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	478830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	224946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157359	51.89	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.78%			
35) Dibromofluoromethane	7.914	113	160737	52.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.04%			
50) Toluene-d8	10.344	98	650154	50.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.52%			
62) 4-Bromofluorobenzene	12.632	95	207638	49.77	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.54%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	121427	44.67	ug/l	100
3) Chloromethane	2.209	50	144575	44.67	ug/l	100
4) Vinyl Chloride	2.350	62	183410	47.34	ug/l	99
5) Bromomethane	2.767	94	128736	46.49	ug/l	99
6) Chloroethane	2.926	64	123268	48.71	ug/l	95
7) Trichlorofluoromethane	3.279	101	239261	50.18	ug/l	96
8) Diethyl Ether	3.714	74	72460	51.74	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	146752	50.57	ug/l	95
10) Methyl Iodide	4.303	142	150291	55.15	ug/l	94
11) Tert butyl alcohol	5.220	59	41329	271.82	ug/l	96
12) 1,1-Dichloroethene	4.073	96	138997	49.27	ug/l	98
13) Acrolein	3.920	56	43163	248.26	ug/l	97
14) Allyl chloride	4.714	41	192275	52.42	ug/l	99
15) Acrylonitrile	5.420	53	161438	267.08	ug/l	100
16) Acetone	4.162	43	122164	261.10	ug/l	93
17) Carbon Disulfide	4.414	76	379766	46.48	ug/l	99
18) Methyl Acetate	4.720	43	71318	55.54	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	330423	51.90	ug/l #	90
20) Methylene Chloride	4.973	84	199086	61.95	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	162259	49.69	ug/l	94
22) Diisopropyl ether	6.361	45	428810	52.82	ug/l #	93
23) Vinyl Acetate	6.308	43	1116542	266.39	ug/l	99
24) 1,1-Dichloroethane	6.267	63	285129	51.33	ug/l	98
25) 2-Butanone	7.214	43	174383	266.56	ug/l	100
26) 2,2-Dichloropropane	7.208	77	244189	51.40	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	188901	50.89	ug/l	97
28) Bromochloromethane	7.550	49	122242	53.07	ug/l #	79
29) Tetrahydrofuran	7.561	42	109609	259.02	ug/l	100
30) Chloroform	7.714	83	300617	52.04	ug/l	99
31) Cyclohexane	7.985	56	233289	51.77	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	256930	51.47	ug/l	95
36) 1,1-Dichloropropene	8.114	75	219861	47.74	ug/l	97
37) Ethyl Acetate	7.291	43	82822	53.22	ug/l	96
38) Carbon Tetrachloride	8.097	117	222967	50.76	ug/l	99
39) Methylcyclohexane	9.361	83	267367	47.33	ug/l	98
40) Benzene	8.355	78	649563	49.45	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	40754	45.50	ug/l #	87
42) 1,2-Dichloroethane	8.426	62	181020	51.66	ug/l	99
43) Isopropyl Acetate	8.455	43	160570	53.88	ug/l	96
44) Trichloroethene	9.114	130	179818	50.30	ug/l	94
45) 1,2-Dichloropropane	9.391	63	169009	52.73	ug/l	96
46) Dibromomethane	9.479	93	89308	51.36	ug/l	93
47) Bromodichloromethane	9.667	83	235728	52.29	ug/l	98
48) Methyl methacrylate	9.455	41	74801	50.30	ug/l	89
49) 1,4-Dioxane	9.461	88	21842	1075.17	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	410938	268.50	ug/l	99
52) Toluene	10.402	92	423956	50.20	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	224369	53.78	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	262283	51.45	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	129315	53.83	ug/l	96
56) Ethyl methacrylate	10.661	69	151201	53.05	ug/l	97
57) 1,3-Dichloropropane	10.949	76	219894	52.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	424589	278.21	ug/l	92
59) 2-Hexanone	10.985	43	279285	269.95	ug/l	98
60) Dibromochloromethane	11.144	129	158118	53.05	ug/l	98
61) 1,2-Dibromoethane	11.249	107	122326	52.70	ug/l	99
64) Tetrachloroethene	10.879	164	143388	48.66	ug/l	96
65) Chlorobenzene	11.673	112	470350	51.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	169455	52.75	ug/l	98
67) Ethyl Benzene	11.743	91	832061	50.41	ug/l	98
68) m/p-Xylenes	11.855	106	631065	101.15	ug/l	99
69) o-Xylene	12.185	106	295992	51.71	ug/l	96
70) Styrene	12.196	104	518737	52.11	ug/l	98
71) Bromoform	12.361	173	88851	53.83	ug/l #	97
73) Isopropylbenzene	12.479	105	819087	49.85	ug/l	99
74) N-amyl acetate	12.291	43	149519	51.53	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	146684	51.51	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	103007m	48.12	ug/l	
77) Bromobenzene	12.761	156	179227	48.83	ug/l	88
78) n-propylbenzene	12.820	91	972611	49.45	ug/l	97
79) 2-Chlorotoluene	12.908	91	537535	49.34	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	669561	49.87	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	44963	52.65	ug/l	95
82) 4-Chlorotoluene	13.002	91	566024	49.15	ug/l	98
83) tert-Butylbenzene	13.220	119	575227	49.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	670389	50.12	ug/l	98
85) sec-Butylbenzene	13.402	105	822361	50.49	ug/l	98
86) p-Isopropyltoluene	13.514	119	741570	50.71	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	357033	50.28	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	350936	49.66	ug/l	100
89) n-Butylbenzene	13.843	91	717954	50.31	ug/l	97
90) Hexachloroethane	14.108	117	136604	51.45	ug/l	90
91) 1,2-Dichlorobenzene	13.885	146	313836	50.97	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	22418	53.85	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	254803	63.18	ug/l	99
94) Hexachlorobutadiene	15.261	225	134870	60.80	ug/l	99
95) Naphthalene	15.396	128	466614	62.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	217193	61.74	ug/l	97

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

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