

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
 Data File : VD068255.D
 Acq On : 03 Feb 2021 11:51
 Operator : VA/SY
 Sample : VD0203SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 10:35:23 AM

Quant Time: Feb 03 23:39:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	337903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	594362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	535929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	246752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149254	46.17	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.34%
35) Dibromofluoromethane	7.914	113	153418	46.69	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.38%
50) Toluene-d8	10.344	98	574790	43.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.46%
62) 4-Bromofluorobenzene	12.632	95	209520	44.27	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.54%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	80005	19.93	ug/l	100
3) Chloromethane	2.209	50	95839	22.17	ug/l	100
4) Vinyl Chloride	2.350	62	108577	22.58	ug/l	100
5) Bromomethane	2.762	94	74001	22.44	ug/l	97
6) Chloroethane	2.920	64	68073	23.18	ug/l	98
7) Trichlorofluoromethane	3.279	101	124568	19.74	ug/l	97
8) Diethyl Ether	3.715	74	39165	21.08	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	78709	21.38	ug/l	94
10) Methyl Iodide	4.303	142	68031	18.60	ug/l	95
11) Tert butyl alcohol	5.214	59	24860	27.93	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	75270	20.33	ug/l	96
13) Acrolein	3.920	56	23523	92.35	ug/l	97
14) Allyl chloride	4.714	41	111224	20.66	ug/l	96
15) Acrylonitrile	5.426	53	80501	109.37	ug/l	99
16) Acetone	4.162	43	58357	101.11	ug/l #	87
17) Carbon Disulfide	4.414	76	236334	19.82	ug/l	97
18) Methyl Acetate	4.720	43	33661	22.47	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	180766	21.12	ug/l #	90
20) Methylene Chloride	4.967	84	98152	22.13	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	88106	20.73	ug/l	96
22) Diisopropyl ether	6.367	45	236417	21.76	ug/l	94
23) Vinyl Acetate	6.303	43	611976	105.66	ug/l	94
24) 1,1-Dichloroethane	6.261	63	155109	22.03	ug/l	100
25) 2-Butanone	7.208	43	87567	100.76	ug/l	98
26) 2,2-Dichloropropane	7.208	77	132437	19.88	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	99501	21.56	ug/l	92
28) Bromochloromethane	7.550	49	54868	22.87	ug/l #	77
29) Tetrahydrofuran	7.561	42	59679	105.93	ug/l	92
30) Chloroform	7.708	83	155234	21.82	ug/l	96
31) Cyclohexane	7.985	56	141259	20.18	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	134586	20.99	ug/l	95
36) 1,1-Dichloropropene	8.114	75	125253	20.90	ug/l	95
37) Ethyl Acetate	7.291	43	44433	20.96	ug/l	97
38) Carbon Tetrachloride	8.097	117	111654	19.90	ug/l	98
39) Methylcyclohexane	9.355	83	154546	19.72	ug/l	98
40) Benzene	8.350	78	355271	21.20	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	22157	17.32	ug/l #	88
42) 1,2-Dichloroethane	8.426	62	96383	21.52	ug/l	97
43) Isopropyl Acetate	8.455	43	87267	19.75	ug/l	95
44) Trichloroethene	9.114	130	94929	20.63	ug/l	97
45) 1,2-Dichloropropane	9.385	63	87951	21.43	ug/l	94
46) Dibromomethane	9.479	93	45036	21.66	ug/l	91
47) Bromodichloromethane	9.661	83	120515	21.48	ug/l	100
48) Methyl methacrylate	9.455	41	43808	19.92	ug/l	98
49) 1,4-Dioxane	9.461	88	9168	376.22	ug/l #	75
51) 4-Methyl-2-Pentanone	10.232	43	207550	101.05	ug/l	97
52) Toluene	10.408	92	227234	20.81	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	115794	20.39	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	140137	20.73	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	62984	21.37	ug/l	93
56) Ethyl methacrylate	10.661	69	78249	19.93	ug/l	93
57) 1,3-Dichloropropane	10.949	76	111165	21.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	204025	112.62	ug/l	92
59) 2-Hexanone	10.985	43	137768	96.77	ug/l	99
60) Dibromochloromethane	11.144	129	77085	20.86	ug/l	99
61) 1,2-Dibromoethane	11.249	107	59332	20.40	ug/l	99
64) Tetrachloroethene	10.879	164	75627	20.02	ug/l	94
65) Chlorobenzene	11.673	112	240251	21.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	82709	20.65	ug/l	98
67) Ethyl Benzene	11.749	91	435277	20.64	ug/l	98
68) m/p-Xylenes	11.855	106	325180	40.85	ug/l	98
69) o-Xylene	12.179	106	153367	20.75	ug/l	96
70) Styrene	12.196	104	259187	20.54	ug/l	98
71) Bromoform	12.361	173	40708	20.05	ug/l #	97
73) Isopropylbenzene	12.485	105	416234	20.27	ug/l	100
74) N-amyl acetate	12.291	43	81336	19.06	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	68043	20.84	ug/l	96
76) 1,2,3-Trichloropropane	12.785	75	52100m	21.84	ug/l	
77) Bromobenzene	12.761	156	90362	20.53	ug/l	89
78) n-propylbenzene	12.820	91	490894	20.21	ug/l	98
79) 2-Chlorotoluene	12.908	91	276798	20.30	ug/l	95
80) 1,3,5-Trimethylbenzene	12.961	105	341464	19.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	21850	18.53	ug/l	95
82) 4-Chlorotoluene	13.008	91	287717	20.29	ug/l	97
83) tert-Butylbenzene	13.226	119	285304	19.69	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	339667	20.01	ug/l	99
85) sec-Butylbenzene	13.402	105	406669	20.06	ug/l	98
86) p-Isopropyltoluene	13.514	119	362749	19.68	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	173162	20.46	ug/l	97
88) 1,4-Dichlorobenzene	13.596	146	177229	21.25	ug/l	99
89) n-Butylbenzene	13.843	91	351055	19.84	ug/l	99
90) Hexachloroethane	14.114	117	66180	19.87	ug/l	90
91) 1,2-Dichlorobenzene	13.890	146	152612	21.05	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	10496	19.64	ug/l	81
93) 1,2,4-Trichlorobenzene	15.167	180	99337	19.99	ug/l	99
94) Hexachlorobutadiene	15.273	225	55163	20.02	ug/l	97
95) Naphthalene	15.402	128	183367	19.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	86416	20.61	ug/l	98

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

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