

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011221\
 Data File : VD068052.D
 Acq On : 12 Jan 2021 12:43
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:37:51 PM

Quant Time: Jan 13 03:35:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:34:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	480995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	777648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	709843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	352231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	23856	4.71	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.42%#		
35) Dibromofluoromethane	7.914	113	22740	4.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.36%#		
50) Toluene-d8	10.343	98	89771	4.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.88%#		
62) 4-Bromofluorobenzene	12.632	95	30708	4.92	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.84%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	24608	5.07	ug/l	89
3) Chloromethane	2.209	50	22945	3.62	ug/l	96
4) Vinyl Chloride	2.350	62	24296	4.04	ug/l	94
5) Bromomethane	2.767	94	19946	4.56	ug/l	87
6) Chloroethane	2.926	64	15644	4.23	ug/l	97
7) Trichlorofluoromethane	3.273	101	48649	5.30	ug/l	100
8) Diethyl Ether	3.709	74	11037	4.34	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	25194	4.66	ug/l	98
10) Methyl Iodide	4.309	142	21124	4.44	ug/l	97
11) Tert butyl alcohol	5.197	59	14353	32.78	ug/l #	80
12) 1,1-Dichloroethene	4.073	96	24399	4.74	ug/l	90
13) Acrolein	3.926	56	7764	21.31	ug/l	97
14) Allyl chloride	4.720	41	26129	3.00	ug/l	99
15) Acrylonitrile	5.426	53	20080	16.69	ug/l	97
16) Acetone	4.161	43	16254	16.92	ug/l	96
17) Carbon Disulfide	4.414	76	73983	4.23	ug/l #	95
18) Methyl Acetate	4.726	43	10286	3.72	ug/l #	85
19) Methyl tert-butyl Ether	5.485	73	44394	4.14	ug/l	99
20) Methylene Chloride	4.973	84	51438	6.46	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	27088	4.45	ug/l	95
22) Diisopropyl ether	6.367	45	49157	2.81	ug/l #	91
23) Vinyl Acetate	6.314	43	113744	12.76	ug/l	100
24) 1,1-Dichloroethane	6.267	63	42114	3.87	ug/l	98
25) 2-Butanone	7.220	43	20312	14.72	ug/l	99
26) 2,2-Dichloropropane	7.214	77	43350	4.90	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	26432	4.05	ug/l	91
28) Bromochloromethane	7.550	49	14847	3.73	ug/l	95
29) Tetrahydrofuran	7.561	42	13111	14.14	ug/l	97
30) Chloroform	7.714	83	46796	4.32	ug/l	93
31) Cyclohexane	7.985	56	41890	4.14	ug/l #	88
32) 1,1,1-Trichloroethane	7.908	97	46454	4.90	ug/l	98
36) 1,1-Dichloropropene	8.120	75	36266	4.49	ug/l	98
37) Ethyl Acetate	7.297	43	10610	3.36	ug/l #	93
38) Carbon Tetrachloride	8.097	117	42507	5.28	ug/l	96
39) Methylcyclohexane	9.355	83	40069	4.25	ug/l	93
40) Benzene	8.355	78	99663	4.27	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4901	2.72	ug/l #	74
42) 1,2-Dichloroethane	8.432	62	27801	4.36	ug/l	100
43) Isopropyl Acetate	8.455	43	17734	3.04	ug/l	99
44) Trichloroethene	9.120	130	31583	5.23	ug/l	81
45) 1,2-Dichloropropane	9.396	63	22881	3.90	ug/l	91
46) Dibromomethane	9.479	93	13890	4.72	ug/l	88
47) Bromodichloromethane	9.667	83	37409	4.74	ug/l	92
48) Methyl methacrylate	9.455	41	10231	3.38	ug/l	97
49) 1,4-Dioxane	9.455	88	2383	73.78	ug/l #	87
51) 4-Methyl-2-Pentanone	10.232	43	44918	14.89	ug/l	93
52) Toluene	10.408	92	66240	4.54	ug/l	100
53) t-1,3-Dichloropropene	10.626	75	30436	4.26	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	35085	3.99	ug/l	99
55) 1,1,2-Trichloroethane	10.808	97	18509	4.50	ug/l	94
56) Ethyl methacrylate	10.667	69	16026	3.50	ug/l	95
57) 1,3-Dichloropropane	10.949	76	28694	4.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.949	63	43637	19.31	ug/l	94
59) 2-Hexanone	10.985	43	31089	15.60	ug/l	92
60) Dibromochloromethane	11.143	129	26188	5.07	ug/l	96
61) 1,2-Dibromoethane	11.249	107	16689	4.22	ug/l	94
64) Tetrachloroethene	10.879	164	29216	5.79	ug/l	94
65) Chlorobenzene	11.673	112	73502	4.81	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.749	131	26712	4.86	ug/l	91
67) Ethyl Benzene	11.749	91	119533	4.41	ug/l	100
68) m/p-Xylenes	11.855	106	92120	8.90	ug/l	100
69) o-Xylene	12.185	106	41739	4.52	ug/l	92
70) Styrene	12.202	104	71526	4.47	ug/l	98
71) Bromoform	12.361	173	14700	5.26	ug/l #	93
73) Isopropylbenzene	12.485	105	109317	4.16	ug/l	97
74) N-amyl acetate	12.285	43	17064	3.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	18390	3.85	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	14780m	5.05	ug/l	
77) Bromobenzene	12.761	156	28645	4.75	ug/l	96
78) n-propylbenzene	12.820	91	133633	4.14	ug/l	98
79) 2-Chlorotoluene	12.908	91	75164	4.13	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	94512	4.32	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	5809	4.04	ug/l #	87
82) 4-Chlorotoluene	13.008	91	84202	4.39	ug/l	100
83) tert-Butylbenzene	13.226	119	78404	4.34	ug/l	95
84) 1,2,4-Trimethylbenzene	13.273	105	90880	4.16	ug/l	97
85) sec-Butylbenzene	13.402	105	117886	4.49	ug/l	99
86) p-Isopropyltoluene	13.520	119	106343	4.57	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	56163	4.70	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	58529	4.95	ug/l	95
89) n-Butylbenzene	13.843	91	98353	4.33	ug/l	96
90) Hexachloroethane	14.108	117	22127	4.68	ug/l	91
91) 1,2-Dichlorobenzene	13.890	146	47797	4.72	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	3012	3.98	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	29955	4.83	ug/l	96
94) Hexachlorobutadiene	15.267	225	21593	5.86	ug/l	99
95) Naphthalene	15.396	128	46571	4.30	ug/l	95
96) 1,2,3-Trichlorobenzene	15.596	180	26818	5.02	ug/l	95

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

