

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068278.D
 Acq On : 04 Feb 2021 15:18
 Operator : VA/SY
 Sample : VD0204SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2021 10:50:33 AM

Quant Time: Feb 05 00:04:03 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	7.985	168	372685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	651064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	572829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	259132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	155633	43.65	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.30%		
35) Dibromofluoromethane	7.920	113	166842	46.35	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.70%		
50) Toluene-d8	10.344	98	612810	42.56	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.12%		
62) 4-Bromofluorobenzene	12.632	95	219422	42.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.64%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	92425	20.88	ug/l	95
3) Chloromethane	2.209	50	106161	22.27	ug/l	99
4) Vinyl Chloride	2.350	62	123225	23.24	ug/l	97
5) Bromomethane	2.756	94	81072	22.29	ug/l	99
6) Chloroethane	2.921	64	77343	23.88	ug/l	96
7) Trichlorofluoromethane	3.273	101	148090	21.28	ug/l	100
8) Diethyl Ether	3.709	74	40611	19.82	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	90192	22.22	ug/l	92
10) Methyl Iodide	4.309	142	81424	19.91	ug/l	95
11) Tert butyl alcohol	5.220	59	36048	64.35	ug/l #	89
12) 1,1-Dichloroethene	4.073	96	89267	21.86	ug/l	87
13) Acrolein	3.926	56	23845	84.87	ug/l	97
14) Allyl chloride	4.720	41	116744	19.66	ug/l	96
15) Acrylonitrile	5.426	53	85796	105.68	ug/l	100
16) Acetone	4.156	43	74106	116.41	ug/l	93
17) Carbon Disulfide	4.415	76	261161	19.86	ug/l	100
18) Methyl Acetate	4.726	43	34534	20.90	ug/l	91
19) Methyl tert-butyl Ether	5.485	73	191584	20.30	ug/l	94
20) Methylene Chloride	4.968	84	110736	22.74	ug/l #	85
21) trans-1,2-Dichloroethene	5.479	96	96558	20.60	ug/l	86
22) Diisopropyl ether	6.367	45	249005	20.78	ug/l #	94
23) Vinyl Acetate	6.315	43	630787	98.74	ug/l	95
24) 1,1-Dichloroethane	6.267	63	167532	21.57	ug/l	98
25) 2-Butanone	7.214	43	96247	100.41	ug/l	98
26) 2,2-Dichloropropane	7.220	77	149694	20.37	ug/l	97
27) cis-1,2-Dichloroethene	7.220	96	106838	20.99	ug/l	92
28) Bromochloromethane	7.556	49	56931	21.52	ug/l #	77
29) Tetrahydrofuran	7.573	42	62591	100.73	ug/l	93
30) Chloroform	7.714	83	170086	21.68	ug/l	98
31) Cyclohexane	7.991	56	159574	20.67	ug/l	95
32) 1,1,1-Trichloroethane	7.909	97	152280	21.53	ug/l	95
36) 1,1-Dichloropropene	8.114	75	138411	21.08	ug/l	97
37) Ethyl Acetate	7.297	43	46173	19.88	ug/l	98
38) Carbon Tetrachloride	8.103	117	129236	21.03	ug/l	99
39) Methylcyclohexane	9.356	83	180994	21.09	ug/l	98
40) Benzene	8.356	78	387056	21.08	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	24643	17.58	ug/l	97
42) 1,2-Dichloroethane	8.426	62	102431	20.88	ug/l	99
43) Isopropyl Acetate	8.456	43	89301	18.45	ug/l	97
44) Trichloroethene	9.114	130	105171	20.86	ug/l	99
45) 1,2-Dichloropropane	9.391	63	94777	21.08	ug/l	96
46) Dibromomethane	9.479	93	47117	20.68	ug/l	91
47) Bromodichloromethane	9.667	83	129173	21.02	ug/l	94
48) Methyl methacrylate	9.456	41	41636	17.28	ug/l	94
49) 1,4-Dioxane	9.467	88	11372	426.02	ug/l #	92
51) 4-Methyl-2-Pentanone	10.232	43	219695	97.65	ug/l	96
52) Toluene	10.408	92	252153	21.08	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	120401	19.35	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	144298	19.49	ug/l	91
55) 1,1,2-Trichloroethane	10.803	97	69225	21.44	ug/l	93
56) Ethyl methacrylate	10.661	69	77836	18.10	ug/l	95
57) 1,3-Dichloropropane	10.950	76	118349	20.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	216483	109.09	ug/l	90
59) 2-Hexanone	10.985	43	154490	99.06	ug/l	98
60) Dibromochloromethane	11.144	129	82148	20.30	ug/l	99
61) 1,2-Dibromoethane	11.250	107	65770	20.65	ug/l	96
64) Tetrachloroethene	10.879	164	86119	21.33	ug/l	96
65) Chlorobenzene	11.673	112	261052	21.45	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	86764	20.27	ug/l	98
67) Ethyl Benzene	11.750	91	481848	21.38	ug/l	99
68) m/p-Xylenes	11.855	106	360336	42.35	ug/l	98
69) o-Xylene	12.185	106	167672	21.22	ug/l	97
70) Styrene	12.197	104	280304	20.78	ug/l	97
71) Bromoform	12.361	173	42978	19.81	ug/l #	99
73) Isopropylbenzene	12.479	105	463231	21.48	ug/l	100
74) N-amyl acetate	12.291	43	82181	18.34	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	75132	21.91	ug/l	97
76) 1,2,3-Trichloropropane	12.785	75	44197m	17.64	ug/l	
77) Bromobenzene	12.761	156	98259	21.26	ug/l	89
78) n-propylbenzene	12.820	91	551396	21.61	ug/l	98
79) 2-Chlorotoluene	12.908	91	297156	20.75	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	385234	21.45	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.532	75	21984	17.75	ug/l	95
82) 4-Chlorotoluene	13.002	91	311314	20.90	ug/l	98
83) tert-Butylbenzene	13.226	119	321080	21.10	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	375787	21.08	ug/l	99
85) sec-Butylbenzene	13.402	105	456012	21.42	ug/l	97
86) p-Isopropyltoluene	13.514	119	410651	21.21	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	195189	21.96	ug/l	97
88) 1,4-Dichlorobenzene	13.596	146	190776	21.79	ug/l	98
89) n-Butylbenzene	13.844	91	403439	21.71	ug/l	98
90) Hexachloroethane	14.108	117	71380	20.41	ug/l	90
91) 1,2-Dichlorobenzene	13.891	146	164002	21.54	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	11218	19.99	ug/l	78
93) 1,2,4-Trichlorobenzene	15.161	180	110129	21.10	ug/l	98
94) Hexachlorobutadiene	15.267	225	61676	21.32	ug/l	96
95) Naphthalene	15.402	128	197720	20.21	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	92609	21.04	ug/l	99

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

