

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022321\
 Data File : VD068419.D
 Acq On : 23 Feb 2021 11:59
 Operator : VA/SY
 Sample : VD0223SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2021 1:35:20 PM

Quant Time: Feb 23 14:04:19 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	416154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	694076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	632184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	290918	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	208553	49.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.04%		
35) Dibromofluoromethane	7.914	113	218452	53.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.04%		
50) Toluene-d8	10.344	98	860171	50.37	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.74%		
62) 4-Bromofluorobenzene	12.632	95	282831	50.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	76090	19.95	ug/l	95
3) Chloromethane	2.209	50	85532	18.84	ug/l	98
4) Vinyl Chloride	2.350	62	107450	19.77	ug/l	99
5) Bromomethane	2.756	94	76134	19.60	ug/l	99
6) Chloroethane	2.920	64	70461	19.85	ug/l	94
7) Trichlorofluoromethane	3.273	101	139744	20.89	ug/l	95
8) Diethyl Ether	3.703	74	38208	19.45	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	85387	20.97	ug/l	94
10) Methyl Iodide	4.297	142	71964	18.82	ug/l	95
11) Tert butyl alcohol	5.220	59	22339	104.73	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	78391	19.81	ug/l	92
13) Acrolein	3.915	56	17475	71.65	ug/l	95
14) Allyl chloride	4.714	41	95329	18.52	ug/l	96
15) Acrylonitrile	5.426	53	83785	98.81	ug/l	96
16) Acetone	4.156	43	61729	94.05	ug/l	97
17) Carbon Disulfide	4.409	76	211886	18.48	ug/l	99
18) Methyl Acetate	4.714	43	31658	17.57	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	178110	19.94	ug/l #	86
20) Methylene Chloride	4.967	84	107035	21.75	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	93425	20.39	ug/l	98
22) Diisopropyl ether	6.361	45	218048	19.15	ug/l	94
23) Vinyl Acetate	6.303	43	559022	95.07	ug/l	96
24) 1,1-Dichloroethane	6.267	63	154038	19.77	ug/l	98
25) 2-Butanone	7.208	43	87390	95.22	ug/l	97
26) 2,2-Dichloropropane	7.208	77	134265	20.14	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	103973	19.97	ug/l	97
28) Bromochloromethane	7.544	49	60902	18.85	ug/l	85
29) Tetrahydrofuran	7.567	42	54819	92.34	ug/l	97
30) Chloroform	7.708	83	164681	20.32	ug/l	94
31) Cyclohexane	7.985	56	132988	19.88	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	144640	20.65	ug/l	96
36) 1,1-Dichloropropene	8.114	75	126824	20.65	ug/l	97
37) Ethyl Acetate	7.297	43	42618	20.54	ug/l	99
38) Carbon Tetrachloride	8.097	117	125574	21.44	ug/l	99
39) Methylcyclohexane	9.355	83	156648	20.80	ug/l	98
40) Benzene	8.350	78	354241	20.23	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	26387	22.09	ug/l #	73
42) 1,2-Dichloroethane	8.426	62	99000	21.19	ug/l	99
43) Isopropyl Acetate	8.450	43	77645	19.54	ug/l	98
44) Trichloroethene	9.114	130	101646	21.33	ug/l	99
45) 1,2-Dichloropropane	9.391	63	87609	20.50	ug/l	95
46) Dibromomethane	9.479	93	48531	20.93	ug/l	93
47) Bromodichloromethane	9.661	83	128053	21.30	ug/l	97
48) Methyl methacrylate	9.455	41	39433	19.89	ug/l	90
49) 1,4-Dioxane	9.461	88	11384	420.29	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	204444	100.18	ug/l	100
52) Toluene	10.402	92	233966	20.78	ug/l	95
53) t-1,3-Dichloropropene	10.626	75	118407	21.29	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	140958	20.74	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	68398	21.36	ug/l	96
56) Ethyl methacrylate	10.661	69	77658	20.44	ug/l	99
57) 1,3-Dichloropropane	10.949	76	115121	20.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	197272	96.95	ug/l	94
59) 2-Hexanone	10.985	43	136989	99.31	ug/l	99
60) Dibromochloromethane	11.144	129	84487	21.26	ug/l	100
61) 1,2-Dibromoethane	11.249	107	66590	21.51	ug/l	99
64) Tetrachloroethene	10.879	164	86198	22.16	ug/l	92
65) Chlorobenzene	11.673	112	256394	21.09	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.744	131	92794	21.88	ug/l	97
67) Ethyl Benzene	11.744	91	457746	21.00	ug/l	95
68) m/p-Xylenes	11.855	106	347058	42.14	ug/l	100
69) o-Xylene	12.185	106	160247	21.21	ug/l	95
70) Styrene	12.196	104	275518	20.96	ug/l	98
71) Bromoform	12.361	173	46276	21.24	ug/l #	99
73) Isopropylbenzene	12.479	105	434444	20.44	ug/l	98
74) N-amyl acetate	12.291	43	70735	18.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	74694	20.28	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	65164m	23.54	ug/l	
77) Bromobenzene	12.761	156	98029	20.65	ug/l	91
78) n-propylbenzene	12.820	91	527445	20.74	ug/l	98
79) 2-Chlorotoluene	12.908	91	285159	20.24	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	360778	20.78	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	21530	19.49	ug/l	96
82) 4-Chlorotoluene	13.002	91	303351	20.37	ug/l	100
83) tert-Butylbenzene	13.226	119	308930	20.51	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	358977	20.75	ug/l	97
85) sec-Butylbenzene	13.402	105	440765	20.92	ug/l	98
86) p-Isopropyltoluene	13.514	119	396924	20.99	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	190965	20.79	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	192236	21.04	ug/l	98
89) n-Butylbenzene	13.843	91	376279	20.39	ug/l	99
90) Hexachloroethane	14.108	117	72255	21.04	ug/l	91
91) 1,2-Dichlorobenzene	13.890	146	166215	20.87	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11068	20.56	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	111907	21.46	ug/l	100
94) Hexachlorobutadiene	15.261	225	62198	21.68	ug/l	97
95) Naphthalene	15.402	128	199090	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	96254	21.16	ug/l	98

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

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