

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061121\
 Data File : VD069412.D
 Acq On : 11 Jun 2021 11:00
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 10:56:23 AM

Quant Time: Jun 11 12:13:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:10:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	388107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	593898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	301475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	84318	19.030	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.060%#		
35) Dibromofluoromethane	7.914	113	90873	19.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.940%#		
50) Toluene-d8	10.338	98	339622	20.522	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.626	95	102673	19.677	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	73437	18.339	ug/l	96
3) Chloromethane	2.209	50	74121	18.282	ug/l	97
4) Vinyl Chloride	2.350	62	87829	18.164	ug/l	98
5) Bromomethane	2.750	94	70263	17.742	ug/l	88
6) Chloroethane	2.915	64	62937	18.882	ug/l	96
7) Trichlorofluoromethane	3.267	101	149949	19.027	ug/l	97
8) Diethyl Ether	3.709	74	35792	19.355	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	91388	19.436	ug/l	98
10) Methyl Iodide	4.303	142	73361	19.396	ug/l	98
11) Tert butyl alcohol	5.220	59	22740	96.969	ug/l	100
12) 1,1-Dichloroethene	4.067	96	76426	18.572	ug/l	96
13) Acrolein	3.926	56	29043	106.058	ug/l	99
14) Allyl chloride	4.714	41	88502	18.944	ug/l	96
15) Acrylonitrile	5.420	53	70281	97.683	ug/l	98
16) Acetone	4.156	43	68771	91.704	ug/l	94
17) Carbon Disulfide	4.409	76	240125	17.927	ug/l	98
18) Methyl Acetate	4.720	43	39269	18.706	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	140437	19.951	ug/l	98
20) Methylene Chloride	4.961	84	125955	16.282	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	91826	19.151	ug/l	91
22) Diisopropyl ether	6.367	45	190150	20.579	ug/l #	93
23) Vinyl Acetate	6.308	43	482118	100.937	ug/l	97
24) 1,1-Dichloroethane	6.267	63	154737	19.027	ug/l	96
25) 2-Butanone	7.208	43	82840	94.857	ug/l	98
26) 2,2-Dichloropropane	7.208	77	140000	19.591	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	96268	18.765	ug/l	100
28) Bromochloromethane	7.550	49	53987	18.392	ug/l	97
29) Tetrahydrofuran	7.561	42	47738	99.529	ug/l	99
30) Chloroform	7.708	83	170837	18.620	ug/l	97
31) Cyclohexane	7.985	56	107938	18.055	ug/l #	93
32) 1,1,1-Trichloroethane	7.902	97	149946	18.712	ug/l	99
36) 1,1-Dichloropropene	8.114	75	123387	19.257	ug/l	99
37) Ethyl Acetate	7.291	43	42201	20.061	ug/l #	95
38) Carbon Tetrachloride	8.097	117	137280	19.354	ug/l	96
39) Methylcyclohexane	9.355	83	115671	18.978	ug/l	99
40) Benzene	8.350	78	361322	19.233	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	18952	18.656	ug/l	98
42) 1,2-Dichloroethane	8.420	62	99725	19.062	ug/l	98
43) Isopropyl Acetate	8.455	43	79114	19.994	ug/l	98
44) Trichloroethene	9.114	130	101851	19.289	ug/l	95
45) 1,2-Dichloropropane	9.385	63	89360	19.332	ug/l	99
46) Dibromomethane	9.473	93	53070	20.157	ug/l	96
47) Bromodichloromethane	9.661	83	132836	19.376	ug/l	98
48) Methyl methacrylate	9.455	41	33233	19.165	ug/l	86
49) 1,4-Dioxane	9.461	88	10160	414.890	ug/l #	93
51) 4-Methyl-2-Pentanone	10.226	43	201184	100.564	ug/l	99
52) Toluene	10.402	92	230493	19.758	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	113039	20.040	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	134819	19.784	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	71066	19.497	ug/l	93
56) Ethyl methacrylate	10.655	69	67241	20.153	ug/l	98
57) 1,3-Dichloropropane	10.944	76	113598	19.485	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	172227	101.811	ug/l	97
59) 2-Hexanone	10.979	43	135695	103.521	ug/l	95
60) Dibromochloromethane	11.138	129	92206	19.889	ug/l	95
61) 1,2-Dibromoethane	11.243	107	70331	20.232	ug/l	96
64) Tetrachloroethene	10.873	164	88689	18.678	ug/l	95
65) Chlorobenzene	11.667	112	252515	19.312	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	99686	19.715	ug/l	97
67) Ethyl Benzene	11.743	91	415557	19.820	ug/l	99
68) m/p-Xylenes	11.849	106	333654	39.655	ug/l	98
69) o-Xylene	12.179	106	147127	20.268	ug/l	99
70) Styrene	12.191	104	263547	20.565	ug/l	100
71) Bromoform	12.355	173	51448	19.921	ug/l #	98
73) Isopropylbenzene	12.473	105	397174	19.797	ug/l	98
74) N-amyl acetate	12.285	43	70696	20.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	78919	19.385	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	60938m	26.316	ug/l	
77) Bromobenzene	12.755	156	99305	19.058	ug/l	99
78) n-propylbenzene	12.814	91	498153	20.021	ug/l	100
79) 2-Chlorotoluene	12.902	91	283160	19.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	344656	20.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20862	19.140	ug/l	90
82) 4-Chlorotoluene	12.996	91	304890	19.973	ug/l	100
83) tert-Butylbenzene	13.220	119	284509	19.813	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	342625	20.274	ug/l	98
85) sec-Butylbenzene	13.396	105	423810	19.799	ug/l	100
86) p-Isopropyltoluene	13.508	119	367159	19.994	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	202136	19.154	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	202975	19.043	ug/l	98
89) n-Butylbenzene	13.837	91	335627	19.566	ug/l	99
90) Hexachloroethane	14.102	117	69978	18.390	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	181727	19.578	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11516	18.803	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	100283	19.353	ug/l	98
94) Hexachlorobutadiene	15.255	225	65107	19.315	ug/l	98
95) Naphthalene	15.390	128	161335	19.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	90149	20.130	ug/l	100

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

