

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070378.D
 Acq On : 20 Sep 2021 12:26
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 6:59:30 PM

Quant Time: Sep 21 03:32:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	360351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	651375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	621948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	298159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233068	50.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.740%			
35) Dibromofluoromethane	7.908	113	233098	50.274	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.332	98	901204	53.534	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.626	95	299866	50.969	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	88399	22.049	ug/l	99
3) Chloromethane	2.209	50	108061	19.717	ug/l	99
4) Vinyl Chloride	2.350	62	117597	20.741	ug/l	98
5) Bromomethane	2.750	94	76246	18.910	ug/l	87
6) Chloroethane	2.915	64	76613	20.170	ug/l	96
7) Trichlorofluoromethane	3.268	101	159011	21.204	ug/l	94
8) Diethyl Ether	3.715	74	39479	19.044	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	93260	20.021	ug/l	98
10) Methyl Iodide	4.297	142	77470	18.044	ug/l	100
11) Tert butyl alcohol	5.220	59	23775	45.445	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	82303	19.618	ug/l	96
13) Acrolein	3.920	56	17246	74.978	ug/l	89
14) Allyl chloride	4.715	41	117320	19.030	ug/l	98
15) Acrylonitrile	5.420	53	92295	93.442	ug/l	97
16) Acetone	4.150	43	78581	95.125	ug/l #	83
17) Carbon Disulfide	4.409	76	296817	19.176	ug/l	100
18) Methyl Acetate	4.726	43	46702	19.681	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	170551	18.812	ug/l	100
20) Methylene Chloride	4.967	84	133494	21.843	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	95913	19.206	ug/l	96
22) Diisopropyl ether	6.362	45	258486	19.590	ug/l	99
23) Vinyl Acetate	6.309	43	564826	92.401	ug/l	100
24) 1,1-Dichloroethane	6.261	63	184530	19.765	ug/l	97
25) 2-Butanone	7.209	43	107150	97.441	ug/l	98
26) 2,2-Dichloropropane	7.203	77	150469	19.939	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	103996	19.386	ug/l	99
28) Bromochloromethane	7.544	49	69244	18.693	ug/l	93
29) Tetrahydrofuran	7.567	42	65140	92.279	ug/l	97
30) Chloroform	7.708	83	180897	18.900	ug/l	100
31) Cyclohexane	7.985	56	152638	19.151	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	157688	19.574	ug/l	98
36) 1,1-Dichloropropene	8.114	75	135018	19.393	ug/l	98
37) Ethyl Acetate	7.291	43	47913	18.403	ug/l	99
38) Carbon Tetrachloride	8.097	117	138119	20.059	ug/l	98
39) Methylcyclohexane	9.355	83	147074	18.909	ug/l	99
40) Benzene	8.350	78	402735	19.739	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	21997	16.059	ug/l	91
42) 1,2-Dichloroethane	8.420	62	107389	19.652	ug/l	98
43) Isopropyl Acetate	8.450	43	90938	18.891	ug/l	98
44) Trichloroethene	9.108	130	97599	20.015	ug/l	98
45) 1,2-Dichloropropane	9.385	63	105750	19.755	ug/l	93
46) Dibromomethane	9.473	93	53937	19.567	ug/l	99
47) Bromodichloromethane	9.661	83	137612	19.568	ug/l	93
48) Methyl methacrylate	9.450	41	42622	19.177	ug/l	92
49) 1,4-Dioxane	9.461	88	11783	426.777	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	239103	95.988	ug/l	97
52) Toluene	10.397	92	251079	20.366	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	120417	19.906	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	146389	19.884	ug/l	95
55) 1,1,2-Trichloroethane	10.791	97	73546	19.395	ug/l	94
56) Ethyl methacrylate	10.655	69	76987	18.597	ug/l	98
57) 1,3-Dichloropropane	10.938	76	126240	19.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	208143	104.320	ug/l	99
59) 2-Hexanone	10.979	43	163904	98.621	ug/l	95
60) Dibromochloromethane	11.138	129	87556	19.840	ug/l	95
61) 1,2-Dibromoethane	11.244	107	68891	19.754	ug/l	99
64) Tetrachloroethene	10.873	164	75541	19.949	ug/l	95
65) Chlorobenzene	11.667	112	254262	19.734	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	96847	20.523	ug/l	96
67) Ethyl Benzene	11.738	91	431739	19.429	ug/l	99
68) m/p-Xylenes	11.844	106	346998	40.433	ug/l	98
69) o-Xylene	12.173	106	149285	19.417	ug/l	98
70) Styrene	12.185	104	271285	20.199	ug/l	98
71) Bromoform	12.355	173	46865	20.094	ug/l #	94
73) Isopropylbenzene	12.473	105	401581	19.205	ug/l	98
74) N-amyl acetate	12.279	43	85131	18.686	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	88248	19.705	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	54969m	18.226	ug/l	
77) Bromobenzene	12.749	156	93344	19.349	ug/l	99
78) n-propylbenzene	12.808	91	541397	19.949	ug/l	98
79) 2-Chlorotoluene	12.896	91	305214	19.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	359832	19.940	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	25401	21.103	ug/l	97
82) 4-Chlorotoluene	12.996	91	335113	20.081	ug/l	99
83) tert-Butylbenzene	13.214	119	279068	19.282	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	352207	19.820	ug/l	99
85) sec-Butylbenzene	13.391	105	447234	19.440	ug/l	99
86) p-Isopropyltoluene	13.502	119	364090	19.697	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	200613	19.974	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	195780	19.420	ug/l	99
89) n-Butylbenzene	13.832	91	345145	18.728	ug/l	99
90) Hexachloroethane	14.096	117	79377	18.759	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	167849	18.941	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12571	18.743	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	86998	18.180	ug/l	99
94) Hexachlorobutadiene	15.249	225	54461	18.554	ug/l	99
95) Naphthalene	15.385	128	153926	17.699	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	77302	18.309	ug/l	98

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

