

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068214.D
 Acq On : 28 Jan 2021 11:07
 Operator : VA/SY
 Sample : VD0128SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2021 11:59:13 AM

Quant Time: Jan 29 00:06:05 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	7.979	168	350371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	604566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	543295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	240486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152364	45.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.92%		
35) Dibromofluoromethane	7.914	113	154728	46.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.58%		
50) Toluene-d8	10.338	98	579115	43.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.64%		
62) 4-Bromofluorobenzene	12.632	95	211198	43.87	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.74%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	88029	21.15	ug/l	98
3) Chloromethane	2.209	50	103071	23.00	ug/l	97
4) Vinyl Chloride	2.350	62	113724	22.81	ug/l	99
5) Bromomethane	2.762	94	78683	23.01	ug/l	93
6) Chloroethane	2.921	64	71016	23.32	ug/l	99
7) Trichlorofluoromethane	3.273	101	138768	21.21	ug/l	100
8) Diethyl Ether	3.709	74	40189	20.86	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	83159	21.79	ug/l	93
10) Methyl Iodide	4.303	142	70299	18.54	ug/l	92
11) Tert butyl alcohol	5.220	59	29260	43.56	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	80216	20.90	ug/l	91
13) Acrolein	3.926	56	25346	95.96	ug/l	97
14) Allyl chloride	4.715	41	114434	20.50	ug/l	97
15) Acrylonitrile	5.426	53	82060	107.52	ug/l	99
16) Acetone	4.162	43	61221	102.30	ug/l	91
17) Carbon Disulfide	4.415	76	249930	20.22	ug/l	99
18) Methyl Acetate	4.715	43	35638	22.94	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	182866	20.61	ug/l #	90
20) Methylene Chloride	4.967	84	98235	21.21	ug/l #	88
21) trans-1,2-Dichloroethene	5.473	96	92686	21.03	ug/l	98
22) Diisopropyl ether	6.367	45	238167	21.14	ug/l	94
23) Vinyl Acetate	6.309	43	620576	103.33	ug/l	96
24) 1,1-Dichloroethane	6.267	63	157869	21.62	ug/l	97
25) 2-Butanone	7.209	43	90840	100.81	ug/l	97
26) 2,2-Dichloropropane	7.214	77	140394	20.33	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	102267	21.37	ug/l	94
28) Bromochloromethane	7.550	49	56745	22.82	ug/l #	78
29) Tetrahydrofuran	7.561	42	62075	106.27	ug/l	92
30) Chloroform	7.708	83	159498	21.62	ug/l	96
31) Cyclohexane	7.985	56	148168	20.42	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	139397	20.97	ug/l	95
36) 1,1-Dichloropropene	8.114	75	128225	21.03	ug/l	96
37) Ethyl Acetate	7.291	43	45146	20.93	ug/l	98
38) Carbon Tetrachloride	8.097	117	119085	20.87	ug/l	95
39) Methylcyclohexane	9.355	83	163066	20.46	ug/l	97
40) Benzene	8.350	78	362687	21.28	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	26603	20.44	ug/l #	92
42) 1,2-Dichloroethane	8.426	62	97386	21.38	ug/l	99
43) Isopropyl Acetate	8.450	43	89721	19.96	ug/l	95
44) Trichloroethene	9.114	130	98206	20.98	ug/l	97
45) 1,2-Dichloropropane	9.391	63	88996	21.32	ug/l	98
46) Dibromomethane	9.479	93	44689	21.13	ug/l	93
47) Bromodichloromethane	9.661	83	121170	21.23	ug/l	95
48) Methyl methacrylate	9.455	41	44976	20.11	ug/l	97
49) 1,4-Dioxane	9.455	88	9510	383.66	ug/l #	77
51) 4-Methyl-2-Pentanone	10.226	43	216499	103.63	ug/l	98
52) Toluene	10.402	92	232441	20.93	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	118908	20.58	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	141989	20.65	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	65352	21.80	ug/l	96
56) Ethyl methacrylate	10.661	69	81502	20.41	ug/l	96
57) 1,3-Dichloropropane	10.944	76	112065	21.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	204539	111.00	ug/l	91
59) 2-Hexanone	10.985	43	146590	101.23	ug/l	95
60) Dibromochloromethane	11.144	129	77505	20.62	ug/l	100
61) 1,2-Dibromoethane	11.244	107	60698	20.52	ug/l	98
64) Tetrachloroethene	10.879	164	79581	20.78	ug/l	96
65) Chlorobenzene	11.673	112	239322	20.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	84000	20.69	ug/l	98
67) Ethyl Benzene	11.744	91	444502	20.80	ug/l	98
68) m/p-Xylenes	11.855	106	333062	41.28	ug/l	98
69) o-Xylene	12.179	106	155339	20.73	ug/l	96
70) Styrene	12.197	104	264218	20.66	ug/l	99
71) Bromoform	12.361	173	40288	19.58	ug/l #	99
73) Isopropylbenzene	12.479	105	420932	21.04	ug/l	99
74) N-amyl acetate	12.291	43	82185	19.76	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	67013	21.05	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	52255m	22.47	ug/l	
77) Bromobenzene	12.761	156	90400	21.07	ug/l	86
78) n-propylbenzene	12.820	91	507924	21.45	ug/l	97
79) 2-Chlorotoluene	12.908	91	277877	20.91	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	349175	20.95	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	21922	19.08	ug/l	97
82) 4-Chlorotoluene	13.008	91	292625	21.17	ug/l	96
83) tert-Butylbenzene	13.226	119	294890	20.88	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	344366	20.82	ug/l	100
85) sec-Butylbenzene	13.402	105	415648	21.04	ug/l	98
86) p-Isopropyltoluene	13.514	119	375759	20.91	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	170106	20.62	ug/l	97
88) 1,4-Dichlorobenzene	13.596	146	173479	21.35	ug/l	99
89) n-Butylbenzene	13.843	91	355879	20.64	ug/l	98
90) Hexachloroethane	14.114	117	64704	19.94	ug/l	90
91) 1,2-Dichlorobenzene	13.891	146	148200	20.98	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9817	18.85	ug/l	86
93) 1,2,4-Trichlorobenzene	15.161	180	95263	19.67	ug/l	92
94) Hexachlorobutadiene	15.267	225	54755	20.39	ug/l	97
95) Naphthalene	15.402	128	180551	19.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	82675	20.24	ug/l	97

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

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