

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033021\
 Data File : VD068722.D
 Acq On : 30 Mar 2021 12:13
 Operator : VA/SY
 Sample : VD0330SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0330SBS01

Manual Integrations
 APPROVED

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 3/31/2021 4:21:11 PM

Quant Time: Mar 31 01:00:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	471513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	772748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	707517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	334070	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	230084	48.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.78%		
35) Dibromofluoromethane	7.914	113	255315	53.10	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.20%		
50) Toluene-d8	10.337	98	975088	52.60	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.20%		
62) 4-Bromofluorobenzene	12.631	95	322985	53.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	61375	16.65	ug/l	98
3) Chloromethane	2.208	50	69310	15.26	ug/l	99
4) Vinyl Chloride	2.350	62	87416	16.29	ug/l	99
5) Bromomethane	2.750	94	67883	17.12	ug/l	89
6) Chloroethane	2.920	64	60397	17.18	ug/l	96
7) Trichlorofluoromethane	3.267	101	119403	18.66	ug/l	88
8) Diethyl Ether	3.708	74	32077	18.13	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.103	101	68302	17.84	ug/l	98
10) Methyl Iodide	4.297	142	63874	16.65	ug/l	99
11) Tert butyl alcohol	5.226	59	20005	91.31	ug/l	98
12) 1,1-Dichloroethene	4.067	96	64157	17.21	ug/l	88
13) Acrolein	3.920	56	19552	97.75	ug/l	86
14) Allyl chloride	4.714	41	75940	16.77	ug/l	96
15) Acrylonitrile	5.426	53	71372	82.88	ug/l	97
16) Acetone	4.161	43	47727	82.74	ug/l	100
17) Carbon Disulfide	4.408	76	176923	14.79	ug/l	99
18) Methyl Acetate	4.726	43	26267	16.57	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	167352	17.83	ug/l	96
20) Methylene Chloride	4.967	84	98895	15.60	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	92029	17.76	ug/l	97
22) Diisopropyl ether	6.367	45	197789	17.19	ug/l	96
23) Vinyl Acetate	6.308	43	484881	79.30	ug/l	97
24) 1,1-Dichloroethane	6.267	63	149303	17.69	ug/l	97
25) 2-Butanone	7.214	43	73088	76.47	ug/l	94
26) 2,2-Dichloropropane	7.208	77	125972	16.78	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	96721	16.75	ug/l	98
28) Bromochloromethane	7.549	49	56615	16.96	ug/l	93
29) Tetrahydrofuran	7.561	42	48448	80.19	ug/l	97
30) Chloroform	7.714	83	159980	17.44	ug/l	95
31) Cyclohexane	7.985	56	122755	16.00	ug/l #	93
32) 1,1,1-Trichloroethane	7.902	97	144747	17.68	ug/l	98
36) 1,1-Dichloropropene	8.114	75	123446	17.89	ug/l	99
37) Ethyl Acetate	7.296	43	36213	16.63	ug/l	97
38) Carbon Tetrachloride	8.096	117	124965	18.14	ug/l	98
39) Methylcyclohexane	9.355	83	146944	17.25	ug/l	97
40) Benzene	8.349	78	363381	18.04	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	22555m	17.69	ug/l	
42) 1,2-Dichloroethane	8.426	62	95689	18.16	ug/l	99
43) Isopropyl Acetate	8.449	43	72944	17.46	ug/l	99
44) Trichloroethene	9.114	130	105632	18.90	ug/l	94
45) 1,2-Dichloropropane	9.385	63	83030	17.24	ug/l	92
46) Dibromomethane	9.473	93	48294	17.63	ug/l	95
47) Bromodichloromethane	9.661	83	124750	17.75	ug/l	95
48) Methyl methacrylate	9.455	41	33240	15.70	ug/l #	82
49) 1,4-Dioxane	9.461	88	11047	362.90	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	181946	83.65	ug/l	99
52) Toluene	10.402	92	246507	19.34	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	113947	17.63	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	138124	17.99	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	67950	17.63	ug/l	95
56) Ethyl methacrylate	10.661	69	71810	17.25	ug/l	99
57) 1,3-Dichloropropane	10.943	76	114223	18.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	187469	88.37	ug/l	96
59) 2-Hexanone	10.984	43	122152	83.64	ug/l	98
60) Dibromochloromethane	11.137	129	87598	18.33	ug/l	100
61) 1,2-Dibromoethane	11.243	107	67318	18.10	ug/l	99
64) Tetrachloroethene	10.879	164	87278	19.03	ug/l	95
65) Chlorobenzene	11.667	112	260941	18.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	94472	18.86	ug/l	98
67) Ethyl Benzene	11.743	91	445117	18.32	ug/l	97
68) m/p-Xylenes	11.849	106	356051	37.62	ug/l	98
69) o-Xylene	12.179	106	159960	18.24	ug/l	98
70) Styrene	12.190	104	276616	18.35	ug/l	98
71) Bromoform	12.355	173	49319	18.67	ug/l #	96
73) Isopropylbenzene	12.479	105	441947	19.25	ug/l	100
74) N-amyl acetate	12.284	43	65680	17.17	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	72356	17.84	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	48352m	17.39	ug/l	
77) Bromobenzene	12.755	156	106931	19.86	ug/l	93
78) n-propylbenzene	12.814	91	516737	18.91	ug/l	98
79) 2-Chlorotoluene	12.902	91	291857	19.57	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	362036	19.50	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	20649	16.90	ug/l	90
82) 4-Chlorotoluene	13.002	91	299350	18.79	ug/l	97
83) tert-Butylbenzene	13.220	119	310035	19.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	367672	19.17	ug/l	97
85) sec-Butylbenzene	13.396	105	430999	18.74	ug/l	99
86) p-Isopropyltoluene	13.514	119	400714	19.15	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	201559	18.77	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	199907	18.94	ug/l	98
89) n-Butylbenzene	13.837	91	367440	18.49	ug/l	100
90) Hexachloroethane	14.108	117	74177	19.70	ug/l	97
91) 1,2-Dichlorobenzene	13.884	146	174462	19.13	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11432	19.70	ug/l	90
93) 1,2,4-Trichlorobenzene	15.155	180	115068	19.42	ug/l	99
94) Hexachlorobutadiene	15.261	225	67443	19.93	ug/l	99
95) Naphthalene	15.396	128	191082	18.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	97672	19.36	ug/l	98

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

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