

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068673.D
 Acq On : 19 Mar 2021 20:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:37:12 AM

Quant Time: Mar 20 02:07:51 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	304325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	528364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	472617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	238822	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	159991	52.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.28%			
35) Dibromofluoromethane	7.920	113	180334	54.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.72%			
50) Toluene-d8	10.343	98	670306	52.89	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.78%			
62) 4-Bromofluorobenzene	12.631	95	224690	54.68	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	121862	51.23	ug/l	99
3) Chloromethane	2.208	50	161271	55.03	ug/l	99
4) Vinyl Chloride	2.350	62	190146	54.89	ug/l	98
5) Bromomethane	2.767	94	141204	55.16	ug/l	99
6) Chloroethane	2.920	64	126486	55.74	ug/l	99
7) Trichlorofluoromethane	3.273	101	221180	53.56	ug/l	98
8) Diethyl Ether	3.714	74	68884	60.33	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.102	101	136023	55.05	ug/l	99
10) Methyl Iodide	4.302	142	163156	55.66	ug/l	100
11) Tert butyl alcohol	5.220	59	33959	240.16	ug/l	96
12) 1,1-Dichloroethene	4.067	96	139286	57.90	ug/l	91
13) Acrolein	3.926	56	31808	273.13	ug/l	99
14) Allyl chloride	4.720	41	169699	58.07	ug/l	98
15) Acrylonitrile	5.426	53	146212	263.06	ug/l	100
16) Acetone	4.161	43	88935	238.88	ug/l	99
17) Carbon Disulfide	4.414	76	449940	58.26	ug/l	99
18) Methyl Acetate	4.720	43	61614	60.21	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	316921	52.31	ug/l	98
20) Methylene Chloride	4.967	84	187039	59.76	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	173722	51.94	ug/l	94
22) Diisopropyl ether	6.367	45	380470	51.22	ug/l	97
23) Vinyl Acetate	6.308	43	1010819	256.14	ug/l	98
24) 1,1-Dichloroethane	6.267	63	281581	51.68	ug/l	97
25) 2-Butanone	7.214	43	150253	243.57	ug/l	97
26) 2,2-Dichloropropane	7.214	77	226379	46.71	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	192330	51.61	ug/l	99
28) Bromochloromethane	7.549	49	109661	50.91	ug/l	99
29) Tetrahydrofuran	7.567	42	98308	252.11	ug/l	99
30) Chloroform	7.708	83	307330	51.91	ug/l	95
31) Cyclohexane	7.990	56	227873	46.02	ug/l	99
32) 1,1,1-Trichloroethane	7.908	97	267711	50.65	ug/l	99
36) 1,1-Dichloropropene	8.114	75	228471	48.42	ug/l	99
37) Ethyl Acetate	7.296	43	69801	46.87	ug/l	97
38) Carbon Tetrachloride	8.096	117	227874	48.38	ug/l	97
39) Methylcyclohexane	9.355	83	283453	48.66	ug/l	98
40) Benzene	8.355	78	701339	50.94	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	44918	51.54	ug/l	98
42) 1,2-Dichloroethane	8.426	62	186461	51.75	ug/l	99
43) Isopropyl Acetate	8.455	43	142368	49.84	ug/l	100
44) Trichloroethene	9.114	130	189216	49.52	ug/l	95
45) 1,2-Dichloropropane	9.390	63	170983	51.91	ug/l	95
46) Dibromomethane	9.479	93	95436	50.95	ug/l	96
47) Bromodichloromethane	9.661	83	248610	51.74	ug/l	99
48) Methyl methacrylate	9.455	41	69433	47.96	ug/l	88
49) 1,4-Dioxane	9.467	88	21083	1012.93	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	374746	251.99	ug/l	98
52) Toluene	10.402	92	451193	51.78	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	220971	49.99	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	270085	51.46	ug/l	100
55) 1,1,2-Trichloroethane	10.796	97	133841	50.79	ug/l	97
56) Ethyl methacrylate	10.661	69	149251	52.42	ug/l	100
57) 1,3-Dichloropropane	10.949	76	226125	52.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	421682	290.71	ug/l	100
59) 2-Hexanone	10.984	43	251985	252.35	ug/l	100
60) Dibromochloromethane	11.137	129	169542	51.88	ug/l	98
61) 1,2-Dibromoethane	11.249	107	128602	50.57	ug/l	100
64) Tetrachloroethene	10.879	164	155334	50.70	ug/l	98
65) Chlorobenzene	11.667	112	478718	51.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	168692	50.41	ug/l	98
67) Ethyl Benzene	11.743	91	845999	52.14	ug/l	99
68) m/p-Xylenes	11.849	106	666749	105.47	ug/l	99
69) o-Xylene	12.179	106	320323	54.67	ug/l	97
70) Styrene	12.190	104	557333	55.35	ug/l	99
71) Bromoform	12.361	173	92005	52.13	ug/l #	98
73) Isopropylbenzene	12.479	105	838716	51.11	ug/l	100
74) N-amyl acetate	12.284	43	139486	51.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.731	83	139756	48.21	ug/l	99
76) 1,2,3-Trichloropropane	12.784	75	95442m	48.01	ug/l	
77) Bromobenzene	12.761	156	194881	50.63	ug/l	99
78) n-propylbenzene	12.820	91	982772	50.30	ug/l	99
79) 2-Chlorotoluene	12.902	91	538729	50.53	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	682426	51.42	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	43536	49.83	ug/l	97
82) 4-Chlorotoluene	13.002	91	570438	50.08	ug/l	97
83) tert-Butylbenzene	13.220	119	594440	52.56	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	723380	52.77	ug/l	98
85) sec-Butylbenzene	13.396	105	833922	50.72	ug/l	100
86) p-Isopropyltoluene	13.514	119	770698	51.51	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	388037	50.55	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	377405	50.02	ug/l	99
89) n-Butylbenzene	13.837	91	706033	49.71	ug/l	98
90) Hexachloroethane	14.108	117	130553	48.50	ug/l	95
91) 1,2-Dichlorobenzene	13.884	146	332238	50.95	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	20245	48.81	ug/l	99
93) 1,2,4-Trichlorobenzene	15.161	180	213803	50.46	ug/l	98
94) Hexachlorobutadiene	15.261	225	118936	49.16	ug/l	100
95) Naphthalene	15.396	128	385451	51.97	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	187822	52.06	ug/l	98

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

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