

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012621\
 Data File : VD068195.D
 Acq On : 26 Jan 2021 19:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2021 2:42:56 PM

Quant Time: Jan 27 00:14:03 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	7.985	168	346011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	620741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	566749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	257461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	165958	50.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.28%			
35) Dibromofluoromethane	7.920	113	170075	49.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.12%			
50) Toluene-d8	10.344	98	624428	45.49	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.98%			
62) 4-Bromofluorobenzene	12.632	95	228684	46.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.52%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	184312	44.84	ug/l	100
3) Chloromethane	2.209	50	220611	49.84	ug/l	98
4) Vinyl Chloride	2.350	62	255330	51.86	ug/l	99
5) Bromomethane	2.774	94	179952	53.30	ug/l	100
6) Chloroethane	2.926	64	166112	55.23	ug/l	98
7) Trichlorofluoromethane	3.279	101	310931	48.11	ug/l	99
8) Diethyl Ether	3.715	74	101705	53.45	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	181782	48.23	ug/l	94
10) Methyl Iodide	4.303	142	203194	48.19	ug/l	93
11) Tert butyl alcohol	5.220	59	61220	190.51	ug/l	100
12) 1,1-Dichloroethene	4.068	96	185933	49.05	ug/l	98
13) Acrolein	3.926	56	58559	224.50	ug/l	99
14) Allyl chloride	4.721	41	273929	49.68	ug/l	97
15) Acrylonitrile	5.426	53	210979	279.92	ug/l	99
16) Acetone	4.162	43	153072	259.00	ug/l	93
17) Carbon Disulfide	4.415	76	583138	47.76	ug/l	98
18) Methyl Acetate	4.721	43	97805	63.76	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	469841	53.61	ug/l	92
20) Methylene Chloride	4.973	84	232545	56.93	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	220796	50.74	ug/l	95
22) Diisopropyl ether	6.367	45	581329	52.25	ug/l	93
23) Vinyl Acetate	6.309	43	1582350	266.79	ug/l	97
24) 1,1-Dichloroethane	6.268	63	378446	52.49	ug/l	99
25) 2-Butanone	7.215	43	236157	265.38	ug/l	96
26) 2,2-Dichloropropane	7.215	77	323257	47.39	ug/l	100
27) cis-1,2-Dichloroethene	7.215	96	248576	52.61	ug/l	93
28) Bromochloromethane	7.550	49	127696	51.99	ug/l #	78
29) Tetrahydrofuran	7.562	42	154398	267.65	ug/l	96
30) Chloroform	7.714	83	386128	53.00	ug/l	99
31) Cyclohexane	7.985	56	313427	43.73	ug/l	92
32) 1,1,1-Trichloroethane	7.909	97	330437	50.33	ug/l	96
36) 1,1-Dichloropropene	8.114	75	294615	47.06	ug/l	97
37) Ethyl Acetate	7.291	43	110723	50.00	ug/l	98
38) Carbon Tetrachloride	8.103	117	278708	47.57	ug/l	97
39) Methylcyclohexane	9.361	83	363412	44.41	ug/l	99
40) Benzene	8.356	78	869424	49.67	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	64334	48.14	ug/l	96
42) 1,2-Dichloroethane	8.426	62	241432	51.63	ug/l	98
43) Isopropyl Acetate	8.456	43	225907	48.96	ug/l	96
44) Trichloroethene	9.114	130	233733	48.63	ug/l	96
45) 1,2-Dichloropropane	9.391	63	216335	50.47	ug/l	98
46) Dibromomethane	9.479	93	115460	53.16	ug/l	94
47) Bromodichloromethane	9.667	83	301828	51.51	ug/l	99
48) Methyl methacrylate	9.456	41	108099	47.06	ug/l	93
49) 1,4-Dioxane	9.461	88	26030	1022.77	ug/l #	88
51) 4-Methyl-2-Pentanone	10.232	43	550578	256.67	ug/l	98
52) Toluene	10.408	92	556753	48.82	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	294009	49.57	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	351540	49.79	ug/l	95
55) 1,1,2-Trichloroethane	10.803	97	157374	51.13	ug/l	93
56) Ethyl methacrylate	10.661	69	208341	50.82	ug/l	95
57) 1,3-Dichloropropane	10.950	76	283867	52.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	489764	258.86	ug/l	92
59) 2-Hexanone	10.985	43	370548	249.21	ug/l	98
60) Dibromochloromethane	11.144	129	197806	51.26	ug/l	99
61) 1,2-Dibromoethane	11.250	107	154926	51.02	ug/l	98
64) Tetrachloroethene	10.879	164	181609	45.46	ug/l	98
65) Chlorobenzene	11.673	112	586041	48.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	208209	49.15	ug/l	98
67) Ethyl Benzene	11.750	91	1058211	47.46	ug/l	96
68) m/p-Xylenes	11.855	106	792408	94.14	ug/l	98
69) o-Xylene	12.185	106	372740	47.68	ug/l	98
70) Styrene	12.197	104	642763	48.17	ug/l	98
71) Bromoform	12.361	173	108502	50.54	ug/l #	99
73) Isopropylbenzene	12.479	105	987641	46.10	ug/l	100
74) N-amyl acetate	12.291	43	210941	47.37	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	173283	50.85	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	107284m	43.10	ug/l	
77) Bromobenzene	12.761	156	223000	48.55	ug/l	88
78) n-propylbenzene	12.820	91	1167048	46.05	ug/l	97
79) 2-Chlorotoluene	12.908	91	663899	46.65	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	817564	45.82	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	56749	46.13	ug/l	97
82) 4-Chlorotoluene	13.002	91	696250	47.05	ug/l	97
83) tert-Butylbenzene	13.226	119	690710	45.69	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	817211	46.14	ug/l	98
85) sec-Butylbenzene	13.402	105	965504	45.65	ug/l	99
86) p-Isopropyltoluene	13.514	119	873791	45.43	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	420277	47.59	ug/l	99
88) 1,4-Dichlorobenzene	13.597	146	415967	47.81	ug/l	98
89) n-Butylbenzene	13.844	91	835103	45.24	ug/l	98
90) Hexachloroethane	14.114	117	160256	46.12	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	367758	48.62	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	26182	46.95	ug/l	87
93) 1,2,4-Trichlorobenzene	15.161	180	242322	46.73	ug/l	99
94) Hexachlorobutadiene	15.267	225	129750	45.14	ug/l	98
95) Naphthalene	15.402	128	467774	48.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	207698	47.48	ug/l	98

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

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