

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021021\
 Data File : VD068349.D
 Acq On : 10 Feb 2021 17:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2021 1:17:00 PM

Quant Time: Feb 11 00:14:20 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	425200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	743529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	668386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	309231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	173187	42.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.16%		
35) Dibromofluoromethane	7.920	113	190798	46.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.84%		
50) Toluene-d8	10.344	98	659070	40.08	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.16%		
62) 4-Bromofluorobenzene	12.632	95	249076	42.06	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.12%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	199112	39.42	ug/l	92
3) Chloromethane	2.209	50	245624	45.16	ug/l	93
4) Vinyl Chloride	2.350	62	292465	48.34	ug/l	97
5) Bromomethane	2.773	94	215599	51.96	ug/l	97
6) Chloroethane	2.926	64	200217	54.17	ug/l	94
7) Trichlorofluoromethane	3.279	101	381734	48.07	ug/l	97
8) Diethyl Ether	3.714	74	119517	51.12	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	236753	51.12	ug/l	94
10) Methyl Iodide	4.303	142	233377	45.24	ug/l	93
11) Tert butyl alcohol	5.220	59	60553	136.21	ug/l	95
12) 1,1-Dichloroethene	4.073	96	223466	47.97	ug/l	97
13) Acrolein	3.920	56	54093	168.76	ug/l	99
14) Allyl chloride	4.714	41	284725	42.02	ug/l	96
15) Acrylonitrile	5.426	53	243685	263.10	ug/l	99
16) Acetone	4.156	43	186333	256.56	ug/l	89
17) Carbon Disulfide	4.409	76	628145	41.87	ug/l	99
18) Methyl Acetate	4.714	43	101396	53.79	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	549952	51.06	ug/l	97
20) Methylene Chloride	4.967	84	275896	54.81	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	263976	49.36	ug/l	96
22) Diisopropyl ether	6.361	45	661411	48.37	ug/l	96
23) Vinyl Acetate	6.308	43	1766559	242.38	ug/l	100
24) 1,1-Dichloroethane	6.261	63	444275	50.15	ug/l	99
25) 2-Butanone	7.214	43	271724	248.48	ug/l	99
26) 2,2-Dichloropropane	7.208	77	385825	46.03	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	305928	52.69	ug/l	96
28) Bromochloromethane	7.550	49	135865	45.01	ug/l	86
29) Tetrahydrofuran	7.561	42	173548	244.81	ug/l	99
30) Chloroform	7.714	83	484706	54.14	ug/l	99
31) Cyclohexane	7.985	56	365565	41.51	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	412855	51.17	ug/l	96
36) 1,1-Dichloropropene	8.114	75	350660	46.77	ug/l	99
37) Ethyl Acetate	7.291	43	125403	47.28	ug/l	98
38) Carbon Tetrachloride	8.097	117	350755	49.98	ug/l	97
39) Methylcyclohexane	9.355	83	438949	44.78	ug/l	98
40) Benzene	8.355	78	1035350	49.39	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	74880m	46.78	ug/l	
42) 1,2-Dichloroethane	8.426	62	290436	51.85	ug/l	99
43) Isopropyl Acetate	8.455	43	246425	44.58	ug/l	99
44) Trichloroethene	9.114	130	290705	50.49	ug/l	99
45) 1,2-Dichloropropane	9.391	63	253357	49.35	ug/l	96
46) Dibromomethane	9.479	93	141169	54.27	ug/l	96
47) Bromodichloromethane	9.667	83	373383	53.20	ug/l	95
48) Methyl methacrylate	9.455	41	123885	45.03	ug/l	94
49) 1,4-Dioxane	9.461	88	32657	1071.25	ug/l	94
51) 4-Methyl-2-Pentanone	10.232	43	635372	247.29	ug/l	99
52) Toluene	10.402	92	678450	49.67	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	346335	48.75	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	416094	49.20	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	205188	55.66	ug/l	96
56) Ethyl methacrylate	10.661	69	247737	50.45	ug/l	96
57) 1,3-Dichloropropane	10.949	76	342333	52.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	559522	246.90	ug/l	94
59) 2-Hexanone	10.985	43	430201	241.55	ug/l	99
60) Dibromochloromethane	11.138	129	250708	54.24	ug/l	99
61) 1,2-Dibromoethane	11.249	107	191911	52.76	ug/l	99
64) Tetrachloroethene	10.879	164	234960	49.88	ug/l	97
65) Chlorobenzene	11.673	112	733099	51.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	264943	53.04	ug/l	97
67) Ethyl Benzene	11.743	91	1315754	50.04	ug/l	98
68) m/p-Xylenes	11.855	106	993566	100.09	ug/l	100
69) o-Xylene	12.179	106	469013	50.87	ug/l	97
70) Styrene	12.196	104	809081	51.41	ug/l	99
71) Bromoform	12.361	173	137363	54.25	ug/l #	99
73) Isopropylbenzene	12.479	105	1273578	49.50	ug/l	99
74) N-amyl acetate	12.291	43	232533	43.48	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	216186	52.82	ug/l	100
76) 1,2,3-Trichloropropane	12.785	75	154929m	51.82	ug/l	
77) Bromobenzene	12.761	156	287758	52.16	ug/l	92
78) n-propylbenzene	12.820	91	1479654	48.61	ug/l	99
79) 2-Chlorotoluene	12.908	91	819128	47.92	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	1030831	48.10	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	64211	43.46	ug/l	96
82) 4-Chlorotoluene	13.002	91	873254	49.14	ug/l	98
83) tert-Butylbenzene	13.220	119	903756	49.77	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	1028196	48.34	ug/l	96
85) sec-Butylbenzene	13.402	105	1243591	48.96	ug/l	98
86) p-Isopropyltoluene	13.514	119	1131085	48.96	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	548795	51.74	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	541326	51.80	ug/l	99
89) n-Butylbenzene	13.837	91	1076296	48.54	ug/l	98
90) Hexachloroethane	14.108	117	207831	49.80	ug/l	90
91) 1,2-Dichlorobenzene	13.885	146	471373	51.88	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	33315	49.74	ug/l	86
93) 1,2,4-Trichlorobenzene	15.161	180	319369	51.28	ug/l	97
94) Hexachlorobutadiene	15.267	225	173383	50.22	ug/l	98
95) Naphthalene	15.396	128	602387	51.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	275117	52.37	ug/l	99

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

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