

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068274.D
 Acq On : 04 Feb 2021 13:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2021 10:50:28 AM

Quant Time: Feb 05 00:02:09 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	384382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	657815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	591266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	269208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154225	41.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.88%		
35) Dibromofluoromethane	7.914	113	165020	45.38	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.76%		
50) Toluene-d8	10.343	98	601693	41.36	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.72%		
62) 4-Bromofluorobenzene	12.632	95	217150	41.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.90%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	197785	43.32	ug/l	94
3) Chloromethane	2.209	50	238216	48.44	ug/l	96
4) Vinyl Chloride	2.350	62	283029	51.75	ug/l	99
5) Bromomethane	2.773	94	189166	50.43	ug/l	98
6) Chloroethane	2.926	64	180957	54.16	ug/l	100
7) Trichlorofluoromethane	3.279	101	337171	46.97	ug/l	96
8) Diethyl Ether	3.708	74	98939	46.81	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	206775	49.39	ug/l	94
10) Methyl Iodide	4.308	142	208830	44.81	ug/l	93
11) Tert butyl alcohol	5.220	59	60177	158.46	ug/l	98
12) 1,1-Dichloroethene	4.073	96	201349	47.81	ug/l	94
13) Acrolein	3.926	56	58696	202.56	ug/l	97
14) Allyl chloride	4.720	41	281185	45.90	ug/l	96
15) Acrylonitrile	5.420	53	212164	253.39	ug/l	99
16) Acetone	4.155	43	188591	287.24	ug/l	94
17) Carbon Disulfide	4.414	76	617004	45.49	ug/l	99
18) Methyl Acetate	4.720	43	87887	51.58	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	450477	46.27	ug/l	92
20) Methylene Chloride	4.967	84	233196	50.96	ug/l	93
21) trans-1,2-Dichloroethene	5.479	96	228843	47.34	ug/l	93
22) Diisopropyl ether	6.367	45	589134	47.66	ug/l	96
23) Vinyl Acetate	6.308	43	1578207	239.53	ug/l	97
24) 1,1-Dichloroethane	6.267	63	394831	49.30	ug/l	99
25) 2-Butanone	7.214	43	239819	242.59	ug/l	98
26) 2,2-Dichloropropane	7.208	77	356758	47.08	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	259025	49.35	ug/l	93
28) Bromochloromethane	7.549	49	130462	47.81	ug/l #	78
29) Tetrahydrofuran	7.567	42	153506	239.54	ug/l	93
30) Chloroform	7.714	83	404174	49.94	ug/l	99
31) Cyclohexane	7.985	56	357276	44.87	ug/l	90
32) 1,1,1-Trichloroethane	7.908	97	358837	49.20	ug/l	95
36) 1,1-Dichloropropene	8.114	75	325264	49.03	ug/l	96
37) Ethyl Acetate	7.296	43	109102	46.50	ug/l	96
38) Carbon Tetrachloride	8.102	117	303770	48.92	ug/l	96
39) Methylcyclohexane	9.355	83	406539	46.88	ug/l	99
40) Benzene	8.355	78	912021	49.17	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	74822m	52.83	ug/l	
42) 1,2-Dichloroethane	8.426	62	244313	49.30	ug/l	98
43) Isopropyl Acetate	8.455	43	220901	45.17	ug/l	96
44) Trichloroethene	9.114	130	247621	48.61	ug/l	94
45) 1,2-Dichloropropane	9.390	63	223489	49.20	ug/l	94
46) Dibromomethane	9.479	93	114052	49.56	ug/l	93
47) Bromodichloromethane	9.667	83	307713	49.55	ug/l	98
48) Methyl methacrylate	9.461	41	112601	46.26	ug/l	99
49) 1,4-Dioxane	9.461	88	27508	1019.93	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	545561	240.00	ug/l	97
52) Toluene	10.408	92	587076	48.58	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	294720	46.89	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	354847	47.43	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	161916	49.64	ug/l	94
56) Ethyl methacrylate	10.661	69	201724	46.43	ug/l	96
57) 1,3-Dichloropropane	10.949	76	282715	49.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	483576	241.19	ug/l	91
59) 2-Hexanone	10.985	43	373613	237.11	ug/l	99
60) Dibromochloromethane	11.143	129	195715	47.86	ug/l	100
61) 1,2-Dibromoethane	11.249	107	154123	47.89	ug/l	98
64) Tetrachloroethene	10.879	164	195338	46.87	ug/l	99
65) Chlorobenzene	11.673	112	613142	48.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	214889	48.63	ug/l	96
67) Ethyl Benzene	11.749	91	1138517	48.94	ug/l	98
68) m/p-Xylenes	11.855	106	846076	96.35	ug/l	97
69) o-Xylene	12.184	106	390960	47.94	ug/l	98
70) Styrene	12.196	104	673837	48.40	ug/l	99
71) Bromoform	12.361	173	105467	47.09	ug/l #	100
73) Isopropylbenzene	12.479	105	1082346	48.32	ug/l	100
74) N-amyl acetate	12.290	43	204389	43.90	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	174266	48.91	ug/l	99
76) 1,2,3-Trichloropropane	12.784	75	135425m	52.03	ug/l	
77) Bromobenzene	12.761	156	230650	48.03	ug/l	88
78) n-propylbenzene	12.820	91	1297871	48.97	ug/l	96
79) 2-Chlorotoluene	12.908	91	708775	47.63	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	882306	47.29	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	56681	44.06	ug/l	97
82) 4-Chlorotoluene	13.008	91	740075	47.83	ug/l	97
83) tert-Butylbenzene	13.226	119	755189	47.77	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	875130	47.26	ug/l	98
85) sec-Butylbenzene	13.402	105	1072893	48.52	ug/l	99
86) p-Isopropyltoluene	13.514	119	968490	48.15	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	448936	48.62	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	441575	48.54	ug/l	99
89) n-Butylbenzene	13.843	91	943081	48.86	ug/l	98
90) Hexachloroethane	14.114	117	176215	48.50	ug/l	88
91) 1,2-Dichlorobenzene	13.890	146	381963	48.29	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	25912	44.44	ug/l	84
93) 1,2,4-Trichlorobenzene	15.161	180	253912	46.83	ug/l	99
94) Hexachlorobutadiene	15.267	225	144515	48.08	ug/l	99
95) Naphthalene	15.402	128	481855	47.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	215914	47.21	ug/l	99

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

