

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068083.D
 Acq On : 19 Jan 2021 11:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/20/2021 4:56:52 PM

Quant Time: Jan 19 12:23:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 12:20:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	583530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	987007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	875831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	397383	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	61680	12.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.38%#		
35) Dibromofluoromethane	7.920	113	59234	10.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.18%#		
50) Toluene-d8	10.343	98	253471	12.17	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	24.34%#		
62) 4-Bromofluorobenzene	12.632	95	87518	11.89	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	23.78%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	73992	13.69	ug/l	91
3) Chloromethane	2.209	50	80445	15.49	ug/l	98
4) Vinyl Chloride	2.350	62	86779	15.14	ug/l	92
5) Bromomethane	2.773	94	62179	14.29	ug/l	97
6) Chloroethane	2.926	64	53314	14.80	ug/l	94
7) Trichlorofluoromethane	3.279	101	117526	11.24	ug/l	96
8) Diethyl Ether	3.714	74	32616	12.45	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.108	101	65666	11.39	ug/l	95
10) Methyl Iodide	4.303	142	49492	8.33	ug/l	92
11) Tert butyl alcohol	5.202	59	53590	126.33	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	68567	12.36	ug/l	94
13) Acrolein	3.932	56	23270	59.35	ug/l #	81
14) Allyl chloride	4.720	41	95191	14.10	ug/l	97
15) Acrylonitrile	5.426	53	65232	64.42	ug/l	99
16) Acetone	4.161	43	57611	70.27	ug/l	95
17) Carbon Disulfide	4.414	76	216366	12.93	ug/l	100
18) Methyl Acetate	4.720	43	25295	11.78	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	151246	13.09	ug/l #	90
20) Methylene Chloride	4.973	84	98330	12.24	ug/l #	87
21) trans-1,2-Dichloroethene	5.479	96	77694	12.51	ug/l	98
22) Diisopropyl ether	6.361	45	192914	14.35	ug/l #	92
23) Vinyl Acetate	6.308	43	499498	70.93	ug/l	94
24) 1,1-Dichloroethane	6.267	63	126600	12.79	ug/l	97
25) 2-Butanone	7.214	43	79330	73.23	ug/l	95
26) 2,2-Dichloropropane	7.208	77	121683	12.54	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	81980	12.20	ug/l	88
28) Bromochloromethane	7.549	49	43415	13.19	ug/l #	79
29) Tetrahydrofuran	7.561	42	49830	71.65	ug/l	95
30) Chloroform	7.714	83	126117	11.53	ug/l	97
31) Cyclohexane	7.991	56	132415	14.86	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	114211	10.90	ug/l	94
36) 1,1-Dichloropropene	8.114	75	104256	11.70	ug/l	98
37) Ethyl Acetate	7.302	43	35548	12.68	ug/l #	79
38) Carbon Tetrachloride	8.102	117	95499	9.35	ug/l	97
39) Methylcyclohexane	9.361	83	136427	12.54	ug/l	96
40) Benzene	8.355	78	289738	11.58	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	21946m	13.75	ug/l	
42) 1,2-Dichloroethane	8.432	62	75884	10.88	ug/l	93
43) Isopropyl Acetate	8.455	43	77618	14.48	ug/l	94
44) Trichloroethene	9.114	130	79740	10.54	ug/l	97
45) 1,2-Dichloropropane	9.391	63	71932	12.37	ug/l	98
46) Dibromomethane	9.479	93	36650	11.00	ug/l	93
47) Bromodichloromethane	9.667	83	95994	10.62	ug/l	99
48) Methyl methacrylate	9.461	41	39032	14.21	ug/l	97
49) 1,4-Dioxane	9.461	88	8582	240.33	ug/l #	70
51) 4-Methyl-2-Pentanone	10.232	43	179900	68.17	ug/l	97
52) Toluene	10.408	92	187823	11.28	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	99005	12.26	ug/l	99
54) cis-1,3-Dichloropropene	10.090	75	115312	11.97	ug/l	94
55) 1,1,2-Trichloroethane	10.802	97	50751	10.73	ug/l	91
56) Ethyl methacrylate	10.661	69	67040	13.29	ug/l	97
57) 1,3-Dichloropropane	10.949	76	90644	11.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	162678	65.97	ug/l	91
59) 2-Hexanone	10.985	43	130283	71.29	ug/l	97
60) Dibromochloromethane	11.143	129	64192	10.06	ug/l	99
61) 1,2-Dibromoethane	11.249	107	51147	11.32	ug/l	98
64) Tetrachloroethene	10.879	164	64943	10.40	ug/l	96
65) Chlorobenzene	11.673	112	192376	10.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	67854	10.31	ug/l	96
67) Ethyl Benzene	11.749	91	361227	11.85	ug/l	100
68) m/p-Xylenes	11.855	106	274113	23.16	ug/l	100
69) o-Xylene	12.179	106	127242	11.78	ug/l	96
70) Styrene	12.196	104	214112	11.53	ug/l	97
71) Bromoform	12.361	173	34538	9.92	ug/l #	100
73) Isopropylbenzene	12.479	105	344740	12.35	ug/l	99
74) N-amyl acetate	12.290	43	70337	15.19	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	56840	12.81	ug/l	98
76) 1,2,3-Trichloropropane	12.784	75	43124m	13.75	ug/l	
77) Bromobenzene	12.761	156	73270	11.04	ug/l	87
78) n-propylbenzene	12.820	91	409892	12.49	ug/l	98
79) 2-Chlorotoluene	12.908	91	227880	12.23	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	285550	11.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	19590	13.19	ug/l	97
82) 4-Chlorotoluene	13.008	91	235350	11.90	ug/l	97
83) tert-Butylbenzene	13.226	119	239555	11.91	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	282206	12.07	ug/l	100
85) sec-Butylbenzene	13.402	105	342653	12.16	ug/l	99
86) p-Isopropyltoluene	13.514	119	310217	11.90	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	140359	10.96	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	140321	10.86	ug/l	95
89) n-Butylbenzene	13.843	91	299316	12.59	ug/l	99
90) Hexachloroethane	14.114	117	54175	10.80	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	121321	10.96	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	8807	12.19	ug/l	79
93) 1,2,4-Trichlorobenzene	15.161	180	83390	11.07	ug/l	98
94) Hexachlorobutadiene	15.267	225	46581	9.88	ug/l	98
95) Naphthalene	15.402	128	155307	12.25	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	67831	10.52	ug/l	98

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

