

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068087.D
 Acq On : 19 Jan 2021 12:54
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/20/2021 4:56:59 PM

Quant Time: Jan 19 13:10:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 12:27:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	548562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	938560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	847503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	374658	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	694093	145.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 291.94%#			
35) Dibromofluoromethane	7.920	113	722961	135.92	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 271.84%#			
50) Toluene-d8	10.344	98	2735661	138.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 276.24%#			
62) 4-Bromofluorobenzene	12.632	95	1001461	143.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 286.08%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	908743	178.91	ug/l	97
3) Chloromethane	2.209	50	980360	200.81	ug/l	98
4) Vinyl Chloride	2.350	62	1122976	208.43	ug/l	99
5) Bromomethane	2.750	94	756178	184.83	ug/l	100
6) Chloroethane	2.915	64	687233	202.98	ug/l	98
7) Trichlorofluoromethane	3.274	101	1456190	148.12	ug/l	98
8) Diethyl Ether	3.709	74	434129	176.22	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	863363	159.36	ug/l	95
10) Methyl Iodide	4.309	142	1043677	186.81	ug/l	93
11) Tert butyl alcohol	5.226	59	286902	719.44	ug/l	98
12) 1,1-Dichloroethene	4.074	96	863203	165.57	ug/l	95
13) Acrolein	3.926	56	272992	740.67	ug/l	99
14) Allyl chloride	4.721	41	1276476	201.19	ug/l	95
15) Acrylonitrile	5.426	53	868234	912.11	ug/l	99
16) Acetone	4.162	43	648212	841.10	ug/l	94
17) Carbon Disulfide	4.415	76	2808218	178.45	ug/l	100
18) Methyl Acetate	4.721	43	351526	174.07	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	2011744	185.15	ug/l #	91
20) Methylene Chloride	4.968	84	922415	122.17	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	992434	169.99	ug/l	89
22) Diisopropyl ether	6.367	45	2520459	199.45	ug/l	93
23) Vinyl Acetate	6.309	43	7094324	1071.65	ug/l	98
24) 1,1-Dichloroethane	6.268	63	1663258	178.75	ug/l	99
25) 2-Butanone	7.215	43	986630	968.86	ug/l	99
26) 2,2-Dichloropropane	7.209	77	1526586	167.42	ug/l	99
27) cis-1,2-Dichloroethene	7.215	96	1096850	173.62	ug/l	93
28) Bromochloromethane	7.550	49	546266	176.54	ug/l #	77
29) Tetrahydrofuran	7.562	42	645619	987.46	ug/l	94
30) Chloroform	7.714	83	1671697	162.57	ug/l	95
31) Cyclohexane	7.991	56	1546940	184.61	ug/l	91
32) 1,1,1-Trichloroethane	7.909	97	1503963	152.68	ug/l	96
36) 1,1-Dichloropropene	8.114	75	1366944	161.37	ug/l	97
37) Ethyl Acetate	7.297	43	472382	177.26	ug/l	98
38) Carbon Tetrachloride	8.103	117	1304093	134.32	ug/l	100
39) Methylcyclohexane	9.361	83	1788605	172.83	ug/l	96
40) Benzene	8.356	78	3840830	161.37	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	265471	174.88	ug/l #	93
42) 1,2-Dichloroethane	8.426	62	1026291	154.77	ug/l	98
43) Isopropyl Acetate	8.456	43	987394	193.66	ug/l	96
44) Trichloroethene	9.114	130	1048577	145.77	ug/l	97
45) 1,2-Dichloropropane	9.391	63	936696	169.41	ug/l	95
46) Dibromomethane	9.479	93	474897	149.96	ug/l	95
47) Bromodichloromethane	9.667	83	1290438	150.08	ug/l	99
48) Methyl methacrylate	9.461	41	495636	189.75	ug/l	97
49) 1,4-Dioxane	9.461	88	108092	3183.24	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	2291449	913.12	ug/l	98
52) Toluene	10.408	92	2511263	158.63	ug/l	99
53) t-1,3-Dichloropropene	10.626	75	1282289	167.00	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	1538201	167.97	ug/l	95
55) 1,1,2-Trichloroethane	10.803	97	672496	149.57	ug/l	92
56) Ethyl methacrylate	10.661	69	889840	185.51	ug/l	97
57) 1,3-Dichloropropane	10.950	76	1189472	163.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	2061274	879.01	ug/l	93
59) 2-Hexanone	10.985	43	1572502	904.89	ug/l	98
60) Dibromochloromethane	11.144	129	841242	138.63	ug/l	98
61) 1,2-Dibromoethane	11.250	107	660234	153.73	ug/l	99
64) Tetrachloroethene	10.879	164	833402	137.96	ug/l	96
65) Chlorobenzene	11.673	112	2576872	152.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	921985	144.73	ug/l	98
67) Ethyl Benzene	11.744	91	4779881	161.98	ug/l	100
68) m/p-Xylenes	11.855	106	3638661	317.70	ug/l	99
69) o-Xylene	12.185	106	1696975	162.41	ug/l	97
70) Styrene	12.197	104	2897693	161.31	ug/l	98
71) Bromoform	12.361	173	463662	137.62	ug/l #	98
73) Isopropylbenzene	12.479	105	4504224	171.16	ug/l	99
74) N-amyl acetate	12.291	43	921608	211.06	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	721025	172.30	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	479868m	162.27	ug/l	
77) Bromobenzene	12.761	156	978175	156.37	ug/l	87
78) n-propylbenzene	12.820	91	5310694	171.61	ug/l	98
79) 2-Chlorotoluene	12.908	91	3021067	171.90	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	3736298	166.18	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	261059	186.41	ug/l	93
82) 4-Chlorotoluene	13.008	91	3153492	169.10	ug/l	96
83) tert-Butylbenzene	13.226	119	3174318	167.36	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	3721398	168.84	ug/l	98
85) sec-Butylbenzene	13.402	105	4386943	165.10	ug/l	99
86) p-Isopropyltoluene	13.514	119	4052703	164.88	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1878709	155.65	ug/l	98
88) 1,4-Dichlorobenzene	13.597	146	1819921	149.36	ug/l	99
89) n-Butylbenzene	13.844	91	3837122	171.21	ug/l	98
90) Hexachloroethane	14.108	117	759310	160.51	ug/l	92
91) 1,2-Dichlorobenzene	13.891	146	1593694	152.65	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	114938	168.80	ug/l	86
93) 1,2,4-Trichlorobenzene	15.161	180	1091623	153.74	ug/l	99
94) Hexachlorobutadiene	15.267	225	610779	137.43	ug/l	99
95) Naphthalene	15.402	128	2059711	172.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.591	180	925677	152.20	ug/l	98

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

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