

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011221\
 Data File : VD068057.D
 Acq On : 12 Jan 2021 14:57
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:37:59 PM

Quant Time: Jan 13 03:38:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:34:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	523903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	816338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	742789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	343012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	570315	103.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.78%#			
35) Dibromofluoromethane	7.920	113	628682	123.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 246.64%#			
50) Toluene-d8	10.343	98	2205579	115.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 231.26%#			
62) 4-Bromofluorobenzene	12.632	95	799437	121.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 243.92%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	679318	128.58	ug/l	97
3) Chloromethane	2.209	50	597173	86.55	ug/l	99
4) Vinyl Chloride	2.350	62	660162	100.83	ug/l	96
5) Bromomethane	2.750	94	509798	106.94	ug/l	96
6) Chloroethane	2.914	64	418067	103.71	ug/l	99
7) Trichlorofluoromethane	3.273	101	1296562	129.65	ug/l	98
8) Diethyl Ether	3.714	74	327323	118.15	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	715820	121.62	ug/l	100
10) Methyl Iodide	4.303	142	878537	169.59	ug/l	98
11) Tert butyl alcohol	5.220	59	185823	389.62	ug/l	100
12) 1,1-Dichloroethene	4.067	96	689684	123.04	ug/l	98
13) Acrolein	3.920	56	263147	663.13	ug/l	98
14) Allyl chloride	4.720	41	839345	88.60	ug/l	99
15) Acrylonitrile	5.420	53	632233	482.56	ug/l	98
16) Acetone	4.156	43	496198	474.10	ug/l	92
17) Carbon Disulfide	4.414	76	2009424	105.43	ug/l	100
18) Methyl Acetate	4.720	43	257592	85.55	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	1489892	127.41	ug/l	95
20) Methylene Chloride	4.967	84	752914	86.76	ug/l	96
21) trans-1,2-Dichloroethene	5.479	96	765999	115.57	ug/l	96
22) Diisopropyl ether	6.367	45	1607709	84.37	ug/l	99
23) Vinyl Acetate	6.308	43	4549486	468.46	ug/l	98
24) 1,1-Dichloroethane	6.267	63	1181680	99.72	ug/l	98
25) 2-Butanone	7.214	43	666713	443.44	ug/l	99
26) 2,2-Dichloropropane	7.214	77	1167164	121.03	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	839238	117.99	ug/l	98
28) Bromochloromethane	7.550	49	371729	85.72	ug/l	98
29) Tetrahydrofuran	7.567	42	423201	419.07	ug/l	97
30) Chloroform	7.714	83	1350028	114.55	ug/l	100
31) Cyclohexane	7.985	56	1002658	90.98	ug/l	97
32) 1,1,1-Trichloroethane	7.908	97	1310244	126.93	ug/l	99
36) 1,1-Dichloropropene	8.114	75	1005449	118.67	ug/l	99
37) Ethyl Acetate	7.297	43	311301	93.79	ug/l	98
38) Carbon Tetrachloride	8.097	117	1221262	144.52	ug/l	98
39) Methylcyclohexane	9.361	83	1291945	130.58	ug/l	95
40) Benzene	8.355	78	2812046	114.72	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	173187	91.70	ug/l	91
42) 1,2-Dichloroethane	8.432	62	790686	118.05	ug/l	100
43) Isopropyl Acetate	8.455	43	628241	102.44	ug/l	100
44) Trichloroethene	9.120	130	882706	139.20	ug/l	96
45) 1,2-Dichloropropane	9.391	63	648520	105.17	ug/l	99
46) Dibromomethane	9.479	93	381467	123.40	ug/l	98
47) Bromodichloromethane	9.667	83	1042240	125.86	ug/l	99
48) Methyl methacrylate	9.461	41	331452	104.26	ug/l	97
49) 1,4-Dioxane	9.461	88	88919	2622.59	ug/l	94
51) 4-Methyl-2-Pentanone	10.232	43	1508641	476.52	ug/l	100
52) Toluene	10.408	92	1894161	123.62	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	943813	125.73	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	1124160	121.91	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	537736	124.66	ug/l	96
56) Ethyl methacrylate	10.661	69	626795	130.34	ug/l	98
57) 1,3-Dichloropropane	10.949	76	875082	116.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.949	63	1429582	602.78	ug/l	99
59) 2-Hexanone	10.991	43	1044619	499.30	ug/l	100
60) Dibromochloromethane	11.143	129	741478	136.72	ug/l	100
61) 1,2-Dibromoethane	11.249	107	522589	125.75	ug/l	96
64) Tetrachloroethene	10.879	164	718996	136.26	ug/l	98
65) Chlorobenzene	11.673	112	2066128	129.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	786505	136.63	ug/l	98
67) Ethyl Benzene	11.749	91	3692755	130.32	ug/l	100
68) m/p-Xylenes	11.855	106	2853011	263.56	ug/l	100
69) o-Xylene	12.185	106	1310866	135.72	ug/l	95
70) Styrene	12.196	104	2241555	133.85	ug/l	100
71) Bromoform	12.361	173	421092	143.94	ug/l #	99
73) Isopropylbenzene	12.479	105	3642845	142.26	ug/l	99
74) N-amyl acetate	12.290	43	556178	100.90	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	535393	115.14	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	349529m	122.54	ug/l	
77) Bromobenzene	12.761	156	840821	143.24	ug/l	98
78) n-propylbenzene	12.820	91	4112267	130.88	ug/l	99
79) 2-Chlorotoluene	12.908	91	2350327	132.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	3028225	142.10	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	179866	128.43	ug/l	98
82) 4-Chlorotoluene	13.008	91	2426884	130.04	ug/l	100
83) tert-Butylbenzene	13.226	119	2622236	148.97	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	2996049	140.81	ug/l	99
85) sec-Butylbenzene	13.402	105	3559795	139.24	ug/l	99
86) p-Isopropyltoluene	13.520	119	3317876	146.55	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	1571096	135.01	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	1580122	137.32	ug/l	99
89) n-Butylbenzene	13.843	91	2995902	135.41	ug/l	100
90) Hexachloroethane	14.114	117	642676	139.71	ug/l	98
91) 1,2-Dichlorobenzene	13.890	146	1378306	139.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	92049	124.80	ug/l	93
93) 1,2,4-Trichlorobenzene	15.161	180	1004259	166.43	ug/l	98
94) Hexachlorobutadiene	15.267	225	623254	173.59	ug/l	99
95) Naphthalene	15.402	128	1785983	169.35	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	855392	164.35	ug/l	100

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

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