

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069040.D
 Acq On : 03 May 2021 13:11
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/4/2021 5:35:20 PM

Quant Time: May 03 13:27:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	237500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	406938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	398078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	197620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	301528	101.13	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 202.26%#			
35) Dibromofluoromethane	7.914	113	282635	106.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 213.72%#			
50) Toluene-d8	10.338	98	1086368	114.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 228.04%#			
62) 4-Bromofluorobenzene	12.626	95	366604	114.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 228.02%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	259298	87.34	ug/l	98
3) Chloromethane	2.209	50	324626	86.50	ug/l	98
4) Vinyl Chloride	2.344	62	435905	93.39	ug/l	98
5) Bromomethane	2.738	94	255838	98.11	ug/l	96
6) Chloroethane	2.903	64	273482	118.13	ug/l	99
7) Trichlorofluoromethane	3.256	101	461434	88.56	ug/l	96
8) Diethyl Ether	3.709	74	127784	104.10	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.085	101	242375	84.65	ug/l	95
10) Methyl Iodide	4.291	142	274344	130.15	ug/l	92
11) Tert butyl alcohol	5.238	59	81602	324.76	ug/l	99
12) 1,1-Dichloroethene	4.056	96	239297	94.00	ug/l	90
13) Acrolein	3.920	56	90499	437.28	ug/l	96
14) Allyl chloride	4.703	41	338230	102.96	ug/l	91
15) Acrylonitrile	5.420	53	276877	502.48	ug/l	94
16) Acetone	4.162	43	208177	411.75	ug/l	92
17) Carbon Disulfide	4.403	76	787889	92.36	ug/l	100
18) Methyl Acetate	4.714	43	118429	93.45	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	612776	109.29	ug/l	98
20) Methylene Chloride	4.962	84	283738	66.42	ug/l #	90
21) trans-1,2-Dichloroethene	5.461	96	290689	97.40	ug/l	91
22) Diisopropyl ether	6.361	45	759419	105.23	ug/l	89
23) Vinyl Acetate	6.303	43	2335424	588.33	ug/l	95
24) 1,1-Dichloroethane	6.256	63	489302	94.68	ug/l	99
25) 2-Butanone	7.208	43	331465	497.44	ug/l	92
26) 2,2-Dichloropropane	7.203	77	438457	91.99	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	324708	103.03	ug/l	93
28) Bromochloromethane	7.544	49	198485	91.40	ug/l	88
29) Tetrahydrofuran	7.567	42	215925	514.67	ug/l	91
30) Chloroform	7.708	83	537382	95.16	ug/l	99
31) Cyclohexane	7.985	56	408490	89.02	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	481685	92.84	ug/l	97
36) 1,1-Dichloropropene	8.108	75	406242	99.96	ug/l	98
37) Ethyl Acetate	7.291	43	154789	99.11	ug/l	94
38) Carbon Tetrachloride	8.097	117	432964	98.79	ug/l	97
39) Methylcyclohexane	9.355	83	487550	108.79	ug/l	97
40) Benzene	8.350	78	1167448	100.66	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	80297	93.73	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	354533	95.44	ug/l	95
43) Isopropyl Acetate	8.450	43	314319	105.41	ug/l	92
44) Trichloroethene	9.114	130	299435	98.90	ug/l	94
45) 1,2-Dichloropropane	9.385	63	284254	99.42	ug/l	94
46) Dibromomethane	9.473	93	162916	97.08	ug/l	95
47) Bromodichloromethane	9.661	83	430404	96.80	ug/l	100
48) Methyl methacrylate	9.455	41	148571	112.01	ug/l	92
49) 1,4-Dioxane	9.461	88	40657	2115.96	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	820409	546.48	ug/l	90
52) Toluene	10.402	92	765212	106.16	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	398582	105.02	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	459302	105.59	ug/l #	91
55) 1,1,2-Trichloroethane	10.797	97	219491	99.71	ug/l	95
56) Ethyl methacrylate	10.661	69	271023	120.15	ug/l #	85
57) 1,3-Dichloropropane	10.944	76	378596	100.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	710118	576.34	ug/l	97
59) 2-Hexanone	10.985	43	558871	553.78	ug/l	91
60) Dibromochloromethane	11.138	129	280502	98.97	ug/l	98
61) 1,2-Dibromoethane	11.244	107	208984	98.93	ug/l	97
64) Tetrachloroethene	10.873	164	238050	95.48	ug/l	96
65) Chlorobenzene	11.667	112	793087	97.76	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.743	131	299820	96.70	ug/l	99
67) Ethyl Benzene	11.743	91	1512657	107.52	ug/l	99
68) m/p-Xylenes	11.849	106	1139296	216.11	ug/l	97
69) o-Xylene	12.179	106	527415	111.99	ug/l	96
70) Styrene	12.191	104	934444	112.55	ug/l	96
71) Bromoform	12.355	173	154634	99.38	ug/l #	98
73) Isopropylbenzene	12.473	105	1419553	106.58	ug/l	99
74) N-amyl acetate	12.285	43	322182	114.94	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.726	83	250385	93.54	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	170967m	94.36	ug/l	
77) Bromobenzene	12.755	156	310800	99.86	ug/l	90
78) n-propylbenzene	12.814	91	1730267	105.69	ug/l	98
79) 2-Chlorotoluene	12.902	91	946502	102.61	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1204767	106.34	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	76999	96.73	ug/l #	86
82) 4-Chlorotoluene	13.002	91	1015244	101.15	ug/l	99
83) tert-Butylbenzene	13.220	119	987254	105.05	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1239480	108.12	ug/l	98
85) sec-Butylbenzene	13.396	105	1417185	104.50	ug/l	99
86) p-Isopropyltoluene	13.508	119	1335640	109.88	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	627171	97.61	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	615242	95.91	ug/l	99
89) n-Butylbenzene	13.838	91	1274971	109.14	ug/l	97
90) Hexachloroethane	14.102	117	253294	99.05	ug/l	93
91) 1,2-Dichlorobenzene	13.885	146	542022	98.59	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	41964	92.59	ug/l	82
93) 1,2,4-Trichlorobenzene	15.155	180	340453	103.31	ug/l	99
94) Hexachlorobutadiene	15.261	225	186993	98.44	ug/l	100
95) Naphthalene	15.390	128	687058	116.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	298080	104.18	ug/l	97

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

