

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068454.D
 Acq On : 26 Feb 2021 12:54
 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
 3/1/2021 10:05:34 AM

Quant Time: Feb 26 13:12:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 12:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	316411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	541870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	510600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	243984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.337	65	311236	96.89	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.78%#			
35) Dibromofluoromethane	7.920	113	320208	100.07	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.14%#			
50) Toluene-d8	10.343	98	1289217	97.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 195.38%#			
62) 4-Bromofluorobenzene	12.631	95	425106	98.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 196.84%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	297866	99.80	ug/l	98
3) Chloromethane	2.208	50	373643	104.61	ug/l	98
4) Vinyl Chloride	2.350	62	453333	106.10	ug/l	99
5) Bromomethane	2.755	94	317690	104.51	ug/l	99
6) Chloroethane	2.914	64	290399	104.89	ug/l	99
7) Trichlorofluoromethane	3.273	101	515440	99.53	ug/l	96
8) Diethyl Ether	3.708	74	165408	109.00	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	314484	99.91	ug/l	95
10) Methyl Iodide	4.302	142	408759	133.79	ug/l	95
11) Tert butyl alcohol	5.232	59	81599	503.09	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	314276	102.35	ug/l	95
13) Acrolein	3.926	56	129522	670.03	ug/l	100
14) Allyl chloride	4.720	41	424030	106.43	ug/l	98
15) Acrylonitrile	5.420	53	351603	539.45	ug/l	99
16) Acetone	4.161	43	288738	574.29	ug/l	90
17) Carbon Disulfide	4.414	76	1037286	113.38	ug/l	99
18) Methyl Acetate	4.720	43	137797	101.16	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	736657	107.78	ug/l	93
20) Methylene Chloride	4.967	84	377314	93.35	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	385897	108.08	ug/l	98
22) Diisopropyl ether	6.367	45	929635	105.66	ug/l	96
23) Vinyl Acetate	6.308	43	2648126	584.65	ug/l	99
24) 1,1-Dichloroethane	6.267	63	629560	104.75	ug/l	99
25) 2-Butanone	7.214	43	397240	564.43	ug/l	99
26) 2,2-Dichloropropane	7.214	77	526687	102.64	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	427173	105.88	ug/l	96
28) Bromochloromethane	7.549	49	253500	102.99	ug/l	80
29) Tetrahydrofuran	7.567	42	252520	551.79	ug/l	98
30) Chloroform	7.714	83	661373	105.45	ug/l	97
31) Cyclohexane	7.985	56	551967	100.85	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	559258	103.43	ug/l	97
36) 1,1-Dichloropropene	8.120	75	517090	105.30	ug/l	97
37) Ethyl Acetate	7.290	43	179150	110.03	ug/l	96
38) Carbon Tetrachloride	8.102	117	491021	105.68	ug/l	98
39) Methylcyclohexane	9.361	83	656118	108.58	ug/l	99
40) Benzene	8.355	78	1518551	108.96	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	98062	106.24	ug/l	93
42) 1,2-Dichloroethane	8.426	62	394928	106.47	ug/l	99
43) Isopropyl Acetate	8.455	43	345707	111.10	ug/l	99
44) Trichloroethene	9.114	130	407177	107.36	ug/l	100
45) 1,2-Dichloropropane	9.390	63	368437	108.30	ug/l	97
46) Dibromomethane	9.479	93	202063	110.34	ug/l	93
47) Bromodichloromethane	9.667	83	519641	109.41	ug/l	98
48) Methyl methacrylate	9.461	41	177796	112.12	ug/l	94
49) 1,4-Dioxane	9.461	88	47669	2244.81	ug/l	97
51) 4-Methyl-2-Pentanone	10.232	43	905365	564.13	ug/l	100
52) Toluene	10.402	92	988492	110.22	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	501941	114.56	ug/l	100
54) cis-1,3-Dichloropropene	10.090	75	586532	108.82	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	278277	109.64	ug/l	93
56) Ethyl methacrylate	10.661	69	347629	116.29	ug/l	97
57) 1,3-Dichloropropane	10.949	76	483994	108.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	836631	529.22	ug/l	92
59) 2-Hexanone	10.984	43	629855	580.16	ug/l	99
60) Dibromochloromethane	11.137	129	348693	110.43	ug/l	99
61) 1,2-Dibromoethane	11.249	107	267203	108.75	ug/l	97
64) Tetrachloroethene	10.879	164	331796	103.71	ug/l	97
65) Chlorobenzene	11.673	112	1049386	105.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	377199	108.76	ug/l	97
67) Ethyl Benzene	11.743	91	1934446	108.24	ug/l	97
68) m/p-Xylenes	11.855	106	1452834	214.37	ug/l	100
69) o-Xylene	12.178	106	675947	108.70	ug/l	97
70) Styrene	12.196	104	1190744	110.30	ug/l	99
71) Bromoform	12.361	173	198507	111.40	ug/l #	99
73) Isopropylbenzene	12.478	105	1820357	101.63	ug/l	100
74) N-amyl acetate	12.290	43	345637	110.33	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.731	83	312188	101.15	ug/l	99
76) 1,2,3-Trichloropropane	12.784	75	186913m	80.70	ug/l	
77) Bromobenzene	12.761	156	410508	102.29	ug/l	91
78) n-propylbenzene	12.820	91	2188334	101.80	ug/l	97
79) 2-Chlorotoluene	12.908	91	1204194	101.21	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1510135	103.02	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.525	75	103296	111.27	ug/l	95
82) 4-Chlorotoluene	13.002	91	1273776	101.17	ug/l	99
83) tert-Butylbenzene	13.220	119	1297192	102.27	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1533992	104.76	ug/l	99
85) sec-Butylbenzene	13.402	105	1812001	102.35	ug/l	98
86) p-Isopropyltoluene	13.514	119	1657485	103.64	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	795092	101.97	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	793370	102.36	ug/l	99
89) n-Butylbenzene	13.837	91	1593313	102.01	ug/l	98
90) Hexachloroethane	14.108	117	328146	110.57	ug/l	91
91) 1,2-Dichlorobenzene	13.884	146	686406	102.06	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	55750	120.27	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	544541	119.75	ug/l	99
94) Hexachlorobutadiene	15.261	225	293192	116.98	ug/l	100
95) Naphthalene	15.396	128	1046123	124.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	470697	119.27	ug/l	98

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

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