

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068086.D
 Acq On : 19 Jan 2021 12:28
 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
 1/20/2021 4:56:57 PM

Quant Time: Jan 19 12:44:15 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	559627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	961206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	865587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	386819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	473026	97.51	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	195.02%#
35) Dibromofluoromethane	7.920	113	487297	89.45	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	178.90%#
50) Toluene-d8	10.344	98	1837234	90.58	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	181.16%#
62) 4-Bromofluorobenzene	12.632	95	677226	94.45	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	188.90%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	622850	120.20	ug/l	98
3) Chloromethane	2.209	50	667584	134.04	ug/l	98
4) Vinyl Chloride	2.350	62	776048	141.19	ug/l	99
5) Bromomethane	2.762	94	518771	124.30	ug/l	98
6) Chloroethane	2.920	64	471470	136.50	ug/l	96
7) Trichlorofluoromethane	3.279	101	1005396	100.25	ug/l	100
8) Diethyl Ether	3.709	74	302258	120.27	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	590818	106.90	ug/l	95
10) Methyl Iodide	4.303	142	716338	125.69	ug/l	93
11) Tert butyl alcohol	5.220	59	217348	534.25	ug/l	100
12) 1,1-Dichloroethene	4.073	96	589603	110.86	ug/l	91
13) Acrolein	3.926	56	194487	517.24	ug/l	99
14) Allyl chloride	4.720	41	884874	136.71	ug/l	95
15) Acrylonitrile	5.426	53	614876	633.17	ug/l	99
16) Acetone	4.156	43	462612	588.40	ug/l	94
17) Carbon Disulfide	4.415	76	1936069	120.60	ug/l	100
18) Methyl Acetate	4.720	43	246294	119.55	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	1403130	126.58	ug/l	93
20) Methylene Chloride	4.967	84	646481	83.93	ug/l	90
21) trans-1,2-Dichloroethene	5.479	96	684613	114.95	ug/l	90
22) Diisopropyl ether	6.367	45	1771998	137.45	ug/l	93
23) Vinyl Acetate	6.309	43	4964789	735.14	ug/l	96
24) 1,1-Dichloroethane	6.267	63	1149817	121.13	ug/l	99
25) 2-Butanone	7.214	43	702091	675.81	ug/l	98
26) 2,2-Dichloropropane	7.214	77	1050670	112.95	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	750003	116.37	ug/l	91
28) Bromochloromethane	7.550	49	370822	117.47	ug/l	# 77
29) Tetrahydrofuran	7.567	42	455713	683.22	ug/l	94
30) Chloroform	7.720	83	1159152	110.50	ug/l	96
31) Cyclohexane	7.991	56	1070128	125.18	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	1034809	102.98	ug/l	96
36) 1,1-Dichloropropene	8.114	75	943180	108.72	ug/l	97
37) Ethyl Acetate	7.297	43	333429	122.17	ug/l	97
38) Carbon Tetrachloride	8.103	117	890627	89.57	ug/l	99
39) Methylcyclohexane	9.361	83	1237201	116.73	ug/l	97
40) Benzene	8.355	78	2655595	108.95	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	184197	118.48	ug/l	96
42) 1,2-Dichloroethane	8.426	62	717633	105.67	ug/l	98
43) Isopropyl Acetate	8.455	43	693761	132.87	ug/l	96
44) Trichloroethene	9.114	130	724987	98.41	ug/l	96
45) 1,2-Dichloropropane	9.391	63	649291	114.66	ug/l	98
46) Dibromomethane	9.479	93	334987	103.29	ug/l	94
47) Bromodichloromethane	9.667	83	903750	102.63	ug/l	98
48) Methyl methacrylate	9.461	41	353274	132.06	ug/l	97
49) 1,4-Dioxane	9.467	88	77621	2232.03	ug/l	90
51) 4-Methyl-2-Pentanone	10.232	43	1644010	639.68	ug/l	97
52) Toluene	10.408	92	1727138	106.53	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	898398	114.25	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	1060262	113.06	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	475583	103.28	ug/l	95
56) Ethyl methacrylate	10.661	69	624873	127.20	ug/l	97
57) 1,3-Dichloropropane	10.949	76	821908	110.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	1381046	575.06	ug/l	92
59) 2-Hexanone	10.985	43	1124251	631.71	ug/l	98
60) Dibromochloromethane	11.144	129	587407	94.52	ug/l	100
61) 1,2-Dibromoethane	11.249	107	461332	104.89	ug/l	99
64) Tetrachloroethene	10.879	164	571319	92.60	ug/l	98
65) Chlorobenzene	11.673	112	1779007	102.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	639769	98.33	ug/l	97
67) Ethyl Benzene	11.744	91	3315811	110.02	ug/l	99
68) m/p-Xylenes	11.855	106	2508695	214.46	ug/l	100
69) o-Xylene	12.179	106	1167552	109.41	ug/l	98
70) Styrene	12.196	104	2000418	109.03	ug/l	98
71) Bromoform	12.361	173	325409	94.57	ug/l #	98
73) Isopropylbenzene	12.479	105	3137525	115.48	ug/l	99
74) N-amyl acetate	12.291	43	658535	146.07	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	499724	115.66	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	332780m	108.99	ug/l	
77) Bromobenzene	12.761	156	680334	105.34	ug/l	86
78) n-propylbenzene	12.820	91	3684856	115.33	ug/l	98
79) 2-Chlorotoluene	12.908	91	2093508	115.38	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	2612230	112.53	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	181395	125.45	ug/l	95
82) 4-Chlorotoluene	13.008	91	2163237	112.35	ug/l	98
83) tert-Butylbenzene	13.220	119	2229667	113.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	2596717	114.11	ug/l	99
85) sec-Butylbenzene	13.402	105	3111947	113.43	ug/l	98
86) p-Isopropyltoluene	13.514	119	2818459	111.06	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1295342	103.95	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	1274499	101.31	ug/l	99
89) n-Butylbenzene	13.843	91	2669989	115.39	ug/l	98
90) Hexachloroethane	14.108	117	525732	107.64	ug/l	91
91) 1,2-Dichlorobenzene	13.890	146	1120436	103.94	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	80261	114.17	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	760449	103.73	ug/l	98
94) Hexachlorobutadiene	15.267	225	425276	92.68	ug/l	99
95) Naphthalene	15.396	128	1448215	117.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	639750	101.88	ug/l	99

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

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