

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069278.D
 Acq On : 01 Jun 2021 12:18
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 6:46:24 PM

Quant Time: Jun 02 01:49:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 01:46:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	421359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	690397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	653489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	314372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	87845	21.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.46%#		
35) Dibromofluoromethane	7.914	113	94302	21.75	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.50%#		
50) Toluene-d8	10.338	98	353194	22.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.80%#		
62) 4-Bromofluorobenzene	12.626	95	110791	21.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.90%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	80465	18.14	ug/l	97
3) Chloromethane	2.209	50	65458	19.55	ug/l	98
4) Vinyl Chloride	2.350	62	64480	18.90	ug/l	99
5) Bromomethane	2.750	94	45632	18.34	ug/l	94
6) Chloroethane	2.909	64	36232	18.61	ug/l	96
7) Trichlorofluoromethane	3.268	101	148564	18.72	ug/l	100
8) Diethyl Ether	3.709	74	36008	18.47	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	88062	18.85	ug/l	99
10) Methyl Iodide	4.303	142	72810	17.18	ug/l	97
11) Tert butyl alcohol	5.215	59	30206	94.49	ug/l #	81
12) 1,1-Dichloroethene	4.068	96	78797	18.64	ug/l	97
13) Acrolein	3.926	56	21328	89.79	ug/l	97
14) Allyl chloride	4.715	41	95629	18.75	ug/l	99
15) Acrylonitrile	5.426	53	69512	91.48	ug/l	95
16) Acetone	4.162	43	66719	94.56	ug/l	100
17) Carbon Disulfide	4.409	76	259891	18.60	ug/l #	94
18) Methyl Acetate	4.721	43	36955	19.36	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	141958	18.29	ug/l	99
20) Methylene Chloride	4.962	84	120281	18.34	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	94461	18.87	ug/l	93
22) Diisopropyl ether	6.367	45	193323	19.74	ug/l #	93
23) Vinyl Acetate	6.309	43	514774	93.81	ug/l	98
24) 1,1-Dichloroethane	6.262	63	157037	19.16	ug/l	99
25) 2-Butanone	7.214	43	90429	97.40	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	142973	18.93	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	98774	18.63	ug/l	99
28) Bromochloromethane	7.556	49	57583	20.27	ug/l	100
29) Tetrahydrofuran	7.567	42	49145	92.10	ug/l	100
30) Chloroform	7.709	83	172444	19.25	ug/l	98
31) Cyclohexane	7.979	56	116079	18.07	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	152305	18.84	ug/l	99
36) 1,1-Dichloropropene	8.114	75	127253	18.96	ug/l	100
37) Ethyl Acetate	7.297	43	40813	17.91	ug/l	96
38) Carbon Tetrachloride	8.097	117	138428	19.11	ug/l	96
39) Methylcyclohexane	9.356	83	119068	17.34	ug/l	99
40) Benzene	8.350	78	375471	19.26	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	21774	20.62	ug/l #	86
42) 1,2-Dichloroethane	8.426	62	101431	19.50	ug/l	99
43) Isopropyl Acetate	8.450	43	77151	18.60	ug/l	99
44) Trichloroethene	9.114	130	98349	18.57	ug/l	94
45) 1,2-Dichloropropane	9.385	63	87981	18.96	ug/l	97
46) Dibromomethane	9.473	93	50108	18.89	ug/l	95
47) Bromodichloromethane	9.661	83	130693	19.11	ug/l	99
48) Methyl methacrylate	9.456	41	36242	18.82	ug/l	93
49) 1,4-Dioxane	9.467	88	9945	381.71	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	204056	95.27	ug/l	99
52) Toluene	10.403	92	233254	18.96	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	113169	18.53	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	137439	18.87	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	71520	19.44	ug/l	99
56) Ethyl methacrylate	10.661	69	70316	18.58	ug/l	99
57) 1,3-Dichloropropane	10.944	76	115995	19.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	178541	103.64	ug/l	99
59) 2-Hexanone	10.985	43	133534	93.26	ug/l	97
60) Dibromochloromethane	11.138	129	90454	19.51	ug/l	94
61) 1,2-Dibromoethane	11.250	107	66920	19.07	ug/l	100
64) Tetrachloroethene	10.873	164	84953	18.68	ug/l	96
65) Chlorobenzene	11.667	112	252325	18.89	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	93976	18.78	ug/l	98
67) Ethyl Benzene	11.744	91	432468	18.85	ug/l	97
68) m/p-Xylenes	11.850	106	350739	39.01	ug/l	98
69) o-Xylene	12.179	106	150757	18.96	ug/l	99
70) Styrene	12.191	104	268106	19.42	ug/l	100
71) Bromoform	12.355	173	50257	19.37	ug/l #	100
73) Isopropylbenzene	12.479	105	403582	18.76	ug/l	100
74) N-amyl acetate	12.285	43	70138	18.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	75242	18.73	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	51372m	19.55	ug/l	
77) Bromobenzene	12.755	156	98852	19.08	ug/l	99
78) n-propylbenzene	12.814	91	512063	19.41	ug/l	99
79) 2-Chlorotoluene	12.902	91	285108	19.01	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	355464	19.51	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	24099	19.55	ug/l	98
82) 4-Chlorotoluene	13.002	91	309995	19.64	ug/l	100
83) tert-Butylbenzene	13.220	119	283912	18.61	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	353528	19.51	ug/l	99
85) sec-Butylbenzene	13.397	105	425425	18.89	ug/l	99
86) p-Isopropyltoluene	13.508	119	373072	18.94	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	204101	19.46	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	199775	19.12	ug/l	97
89) n-Butylbenzene	13.838	91	343445	18.64	ug/l	98
90) Hexachloroethane	14.102	117	72729	19.44	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	176982	19.59	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11649	18.21	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	100915	18.61	ug/l	100
94) Hexachlorobutadiene	15.261	225	63112	18.54	ug/l	99
95) Naphthalene	15.391	128	166322	17.40	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	88088	18.46	ug/l	99

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

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