

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040721\
 Data File : VD068775.D
 Acq On : 07 Apr 2021 11:11
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/8/2021 3:08:14 PM

Quant Time: Apr 07 12:07:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 07 12:04:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	256520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	441103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	418465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	205146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	55945	21.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.40%#		
35) Dibromofluoromethane	7.920	113	58740	21.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.92%#		
50) Toluene-d8	10.338	98	222577	21.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	42.42%#		
62) 4-Bromofluorobenzene	12.632	95	71856	20.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.92%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	50522	24.11	ug/l	100
3) Chloromethane	2.215	50	57903	22.66	ug/l	100
4) Vinyl Chloride	2.350	62	71614	23.45	ug/l	94
5) Bromomethane	2.750	94	52147	23.07	ug/l	87
6) Chloroethane	2.915	64	49183	24.56	ug/l	93
7) Trichlorofluoromethane	3.273	101	86375	23.89	ug/l	91
8) Diethyl Ether	3.709	74	22918	22.64	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	51802	23.52	ug/l	98
10) Methyl Iodide	4.303	142	49803	21.75	ug/l	99
11) Tert butyl alcohol	5.226	59	17504	140.22	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	48581	22.87	ug/l	94
13) Acrolein	3.920	56	10088	90.47	ug/l	99
14) Allyl chloride	4.720	41	59565	23.35	ug/l	97
15) Acrylonitrile	5.426	53	53269	111.03	ug/l	95
16) Acetone	4.162	43	36368	111.55	ug/l	93
17) Carbon Disulfide	4.409	76	156021	22.71	ug/l	99
18) Methyl Acetate	4.726	43	20507	23.13	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	113383	21.68	ug/l	96
20) Methylene Chloride	4.967	84	71020	20.16	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	65239	22.53	ug/l	97
22) Diisopropyl ether	6.367	45	143599	22.39	ug/l	96
23) Vinyl Acetate	6.309	43	369590	108.01	ug/l	99
24) 1,1-Dichloroethane	6.273	63	103750	22.03	ug/l	98
25) 2-Butanone	7.220	43	51574	98.22	ug/l	95
26) 2,2-Dichloropropane	7.214	77	82702	20.18	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	62193	19.66	ug/l	97
28) Bromochloromethane	7.544	49	37228	20.41	ug/l	99
29) Tetrahydrofuran	7.561	42	36900	109.86	ug/l	97
30) Chloroform	7.708	83	116376	22.70	ug/l	98
31) Cyclohexane	7.991	56	89143	21.04	ug/l	93
32) 1,1,1-Trichloroethane	7.908	97	98770	21.68	ug/l	97
36) 1,1-Dichloropropene	8.114	75	87331	21.75	ug/l	99
37) Ethyl Acetate	7.297	43	24606	19.75	ug/l #	70
38) Carbon Tetrachloride	8.103	117	89388	22.23	ug/l	97
39) Methylcyclohexane	9.355	83	99911	20.27	ug/l	90
40) Benzene	8.356	78	256189	21.83	ug/l	99

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41) Methacrylonitrile	7.520	41	16849m	23.98	ug/l	
42) 1,2-Dichloroethane	8.432	62	68415	22.19	ug/l	100
43) Isopropyl Acetate	8.450	43	52084	21.43	ug/l	99
44) Trichloroethene	9.114	130	71613	21.97	ug/l	91
45) 1,2-Dichloropropane	9.385	63	62613	22.30	ug/l	99
46) Dibromomethane	9.473	93	34885	21.87	ug/l	96
47) Bromodichloromethane	9.661	83	87904	21.47	ug/l	94
48) Methyl methacrylate	9.455	41	27300	22.11	ug/l	98
49) 1,4-Dioxane	9.461	88	8221	463.83	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	134467	105.77	ug/l	99
52) Toluene	10.402	92	161725	21.71	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	81486	21.67	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	97571	21.83	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	48165	21.35	ug/l	98
56) Ethyl methacrylate	10.661	69	49351	20.42	ug/l	96
57) 1,3-Dichloropropane	10.944	76	80923	22.12	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	108937	88.95	ug/l	99
59) 2-Hexanone	10.985	43	89906	105.50	ug/l	100
60) Dibromochloromethane	11.138	129	60445	21.66	ug/l	98
61) 1,2-Dibromoethane	11.244	107	47361	21.83	ug/l	99
64) Tetrachloroethene	10.873	164	56933	20.81	ug/l	95
65) Chlorobenzene	11.667	112	176436	21.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	64675	21.47	ug/l	98
67) Ethyl Benzene	11.744	91	300921	20.59	ug/l	98
68) m/p-Xylenes	11.849	106	239166	42.07	ug/l	99
69) o-Xylene	12.179	106	108024	20.54	ug/l	98
70) Styrene	12.191	104	189740	20.97	ug/l	99
71) Bromoform	12.361	173	34549	21.76	ug/l #	97
73) Isopropylbenzene	12.479	105	290803	20.34	ug/l	99
74) N-amyl acetate	12.285	43	49754	20.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	56134	22.06	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	36578m	20.96	ug/l	
77) Bromobenzene	12.755	156	70553	21.12	ug/l	99
78) n-propylbenzene	12.820	91	352749	20.69	ug/l	100
79) 2-Chlorotoluene	12.902	91	194494	20.82	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	241539	20.73	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	16181	21.18	ug/l	98
82) 4-Chlorotoluene	13.002	91	209276	21.06	ug/l	99
83) tert-Butylbenzene	13.220	119	197156	19.96	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	250710	20.99	ug/l	100
85) sec-Butylbenzene	13.396	105	287974	20.12	ug/l	99
86) p-Isopropyltoluene	13.514	119	264413	20.30	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	138873	20.73	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	138354	21.04	ug/l	99
89) n-Butylbenzene	13.838	91	243334	19.71	ug/l	99
90) Hexachloroethane	14.108	117	51510	21.19	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	119575	20.95	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8235	22.58	ug/l	87
93) 1,2,4-Trichlorobenzene	15.155	180	72944	19.84	ug/l	100
94) Hexachlorobutadiene	15.261	225	41666	19.79	ug/l	97
95) Naphthalene	15.396	128	125363	19.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	62786	20.00	ug/l	96

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

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