

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021221\
 Data File : VD068353.D
 Acq On : 12 Feb 2021 11:38
 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
 2/15/2021 10:25:23 AM

Quant Time: Feb 12 12:27:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 12:24:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	434780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	760988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	689627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	312762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	84559	19.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.76%#		
35) Dibromofluoromethane	7.914	113	84427	19.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.22%#		
50) Toluene-d8	10.344	98	351218	20.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.28%#		
62) 4-Bromofluorobenzene	12.632	95	115738	18.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	37.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	82402	16.77	ug/l	98
3) Chloromethane	2.209	50	95376	17.73	ug/l	98
4) Vinyl Chloride	2.350	62	115129	19.13	ug/l	97
5) Bromomethane	2.756	94	80092	19.33	ug/l	97
6) Chloroethane	2.921	64	74939	20.18	ug/l	100
7) Trichlorofluoromethane	3.273	101	139361	17.76	ug/l	92
8) Diethyl Ether	3.709	74	40818	17.62	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	85057	18.50	ug/l	94
10) Methyl Iodide	4.303	142	74006	17.06	ug/l	93
11) Tert butyl alcohol	5.226	59	22499	41.66	ug/l	97
12) 1,1-Dichloroethene	4.073	96	82270	17.88	ug/l	96
13) Acrolein	3.926	56	21187	65.75	ug/l	96
14) Allyl chloride	4.715	41	106857	16.21	ug/l	97
15) Acrylonitrile	5.426	53	88998	96.44	ug/l	98
16) Acetone	4.156	43	63771	87.62	ug/l	94
17) Carbon Disulfide	4.409	76	234452	16.12	ug/l	99
18) Methyl Acetate	4.715	43	34336	18.14	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	184897	17.44	ug/l	92
20) Methylene Chloride	4.973	84	106648	18.27	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	93501	17.65	ug/l	91
22) Diisopropyl ether	6.362	45	238112	17.68	ug/l #	94
23) Vinyl Acetate	6.314	43	610421	85.39	ug/l	95
24) 1,1-Dichloroethane	6.267	63	160616	18.22	ug/l	99
25) 2-Butanone	7.220	43	96543	89.01	ug/l	100
26) 2,2-Dichloropropane	7.209	77	135905	16.53	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	108084	18.73	ug/l	96
28) Bromochloromethane	7.550	49	67850	21.47	ug/l #	80
29) Tetrahydrofuran	7.567	42	61333	87.71	ug/l	95
30) Chloroform	7.714	83	170282	19.03	ug/l	99
31) Cyclohexane	7.985	56	145049	16.85	ug/l	98
32) 1,1,1-Trichloroethane	7.909	97	145902	18.21	ug/l	95
36) 1,1-Dichloropropene	8.114	75	129909	17.49	ug/l	98
37) Ethyl Acetate	7.291	43	45225	17.23	ug/l	98
38) Carbon Tetrachloride	8.097	117	124537	17.86	ug/l	96
39) Methylcyclohexane	9.355	83	159435	16.59	ug/l	97
40) Benzene	8.356	78	376187	18.04	ug/l	99

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41) Methacrylonitrile	7.544	41	26995m	17.17	ug/l	
42) 1,2-Dichloroethane	8.426	62	104561	18.76	ug/l	97
43) Isopropyl Acetate	8.456	43	84924	15.69	ug/l	99
44) Trichloroethene	9.114	130	102039	17.84	ug/l	94
45) 1,2-Dichloropropane	9.391	63	91906	18.02	ug/l	97
46) Dibromomethane	9.479	93	51138	19.66	ug/l	90
47) Bromodichloromethane	9.667	83	129017	18.39	ug/l	96
48) Methyl methacrylate	9.461	41	41368	15.59	ug/l	85
49) 1,4-Dioxane	9.467	88	11767	382.74	ug/l	90
51) 4-Methyl-2-Pentanone	10.232	43	220647	86.71	ug/l	98
52) Toluene	10.403	92	239314	17.65	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	118813	16.94	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	149618	17.87	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	66648	18.06	ug/l	92
56) Ethyl methacrylate	10.661	69	79840	16.44	ug/l	97
57) 1,3-Dichloropropane	10.950	76	125619	19.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	208768	90.06	ug/l	94
59) 2-Hexanone	10.985	43	149894	85.08	ug/l	96
60) Dibromochloromethane	11.144	129	84272	18.25	ug/l	100
61) 1,2-Dibromoethane	11.250	107	67741	18.66	ug/l	100
64) Tetrachloroethene	10.879	164	84825	18.02	ug/l	93
65) Chlorobenzene	11.673	112	263555	18.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	90394	18.04	ug/l	98
67) Ethyl Benzene	11.744	91	472073	17.92	ug/l	96
68) m/p-Xylenes	11.855	106	354856	35.71	ug/l	99
69) o-Xylene	12.179	106	164752	17.83	ug/l	93
70) Styrene	12.197	104	282373	17.92	ug/l	100
71) Bromoform	12.361	173	46755	18.32	ug/l #	99
73) Isopropylbenzene	12.479	105	447488	17.65	ug/l	99
74) N-amyl acetate	12.291	43	76143	14.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	78676	19.34	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	54703m	18.69	ug/l	
77) Bromobenzene	12.761	156	97353	17.89	ug/l	87
78) n-propylbenzene	12.820	91	531449	17.70	ug/l	98
79) 2-Chlorotoluene	12.908	91	294586	17.51	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	363623	17.24	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	22699	15.79	ug/l	95
82) 4-Chlorotoluene	13.002	91	316729	18.08	ug/l	96
83) tert-Butylbenzene	13.220	119	315191	17.62	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	359282	17.16	ug/l	96
85) sec-Butylbenzene	13.396	105	437053	17.39	ug/l	99
86) p-Isopropyltoluene	13.514	119	397051	17.42	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	190476	18.13	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	190306	18.43	ug/l	98
89) n-Butylbenzene	13.838	91	384890	17.60	ug/l	99
90) Hexachloroethane	14.108	117	69718	17.03	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	168677	18.75	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11440	17.36	ug/l	87
93) 1,2,4-Trichlorobenzene	15.161	180	109181	17.79	ug/l	97
94) Hexachlorobutadiene	15.267	225	60294	17.68	ug/l	99
95) Naphthalene	15.396	128	202251	17.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	95057	18.27	ug/l	97

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

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