

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068452.D
 Acq On : 26 Feb 2021 11:58
 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
 3/1/2021 10:05:31 AM

Quant Time: Feb 26 12:49:32 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	306807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	530556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	483822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	226620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	63821	20.49	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.98%#		
35) Dibromofluoromethane	7.920	113	65224	20.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.64%#		
50) Toluene-d8	10.344	98	266980	20.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.32%#		
62) 4-Bromofluorobenzene	12.632	95	81687	19.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.64%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	59156	20.44	ug/l	96
3) Chloromethane	2.209	50	76061	21.96	ug/l	97
4) Vinyl Chloride	2.350	62	87777	21.19	ug/l	99
5) Bromomethane	2.756	94	63061	21.40	ug/l	99
6) Chloroethane	2.921	64	58267	21.70	ug/l	99
7) Trichlorofluoromethane	3.274	101	101026	20.12	ug/l	99
8) Diethyl Ether	3.709	74	29289	19.90	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	62109	20.35	ug/l	92
10) Methyl Iodide	4.303	142	62751	21.18	ug/l	95
11) Tert butyl alcohol	5.226	59	16218	103.12	ug/l #	88
12) 1,1-Dichloroethene	4.068	96	61507	20.66	ug/l	94
13) Acrolein	3.926	56	24593	131.20	ug/l	99
14) Allyl chloride	4.715	41	78276	20.26	ug/l	97
15) Acrylonitrile	5.426	53	62992	99.67	ug/l	99
16) Acetone	4.162	43	47011	96.43	ug/l #	79
17) Carbon Disulfide	4.415	76	199140	22.45	ug/l	98
18) Methyl Acetate	4.721	43	23862	18.07	ug/l	90
19) Methyl tert-butyl Ether	5.479	73	131356	19.82	ug/l	95
20) Methylene Chloride	4.973	84	81047	20.68	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	72069	20.82	ug/l	97
22) Diisopropyl ether	6.367	45	172868	20.26	ug/l #	92
23) Vinyl Acetate	6.309	43	441421	100.51	ug/l	96
24) 1,1-Dichloroethane	6.273	63	119800	20.56	ug/l	98
25) 2-Butanone	7.220	43	67817	99.38	ug/l	98
26) 2,2-Dichloropropane	7.209	77	95966	19.29	ug/l	99
27) cis-1,2-Dichloroethene	7.215	96	78903	20.17	ug/l	96
28) Bromochloromethane	7.556	49	43427	18.20	ug/l	83
29) Tetrahydrofuran	7.567	42	44811	100.98	ug/l	97
30) Chloroform	7.714	83	125067	20.56	ug/l	94
31) Cyclohexane	7.985	56	109142	20.56	ug/l	93
32) 1,1,1-Trichloroethane	7.909	97	108108	20.62	ug/l	94
36) 1,1-Dichloropropene	8.114	75	97678	20.31	ug/l	96
37) Ethyl Acetate	7.297	43	34537	21.66	ug/l #	93
38) Carbon Tetrachloride	8.097	117	93017	20.45	ug/l	99
39) Methylcyclohexane	9.356	83	119908	20.27	ug/l	96
40) Benzene	8.356	78	286811	21.02	ug/l	96

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41) Methacrylonitrile	7.520	41	17933	19.84	ug/l	94
42) 1,2-Dichloroethane	8.426	62	75781	20.87	ug/l	99
43) Isopropyl Acetate	8.456	43	59744	19.61	ug/l	98
44) Trichloroethene	9.114	130	76832	20.69	ug/l	97
45) 1,2-Dichloropropane	9.391	63	68245	20.49	ug/l	97
46) Dibromomethane	9.479	93	37574	20.96	ug/l	92
47) Bromodichloromethane	9.661	83	96415	20.73	ug/l	96
48) Methyl methacrylate	9.461	41	32816	21.14	ug/l	98
49) 1,4-Dioxane	9.467	88	8360	402.08	ug/l #	90
51) 4-Methyl-2-Pentanone	10.232	43	159778	101.68	ug/l	98
52) Toluene	10.403	92	180638	20.57	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	87776	20.46	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	107925	20.45	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	50717	20.41	ug/l #	86
56) Ethyl methacrylate	10.661	69	58235	19.90	ug/l	98
57) 1,3-Dichloropropane	10.944	76	89840	20.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	144012	93.04	ug/l	92
59) 2-Hexanone	10.985	43	105489	99.24	ug/l	100
60) Dibromochloromethane	11.144	129	61739	19.97	ug/l	96
61) 1,2-Dibromoethane	11.244	107	50265	20.89	ug/l	100
64) Tetrachloroethene	10.879	164	61828	20.39	ug/l	98
65) Chlorobenzene	11.667	112	192657	20.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	67120	20.42	ug/l	96
67) Ethyl Benzene	11.744	91	350217	20.68	ug/l	95
68) m/p-Xylenes	11.855	106	262086	40.81	ug/l	98
69) o-Xylene	12.179	106	120915	20.52	ug/l	96
70) Styrene	12.191	104	208052	20.34	ug/l	99
71) Bromoform	12.361	173	34866	20.65	ug/l #	100
73) Isopropylbenzene	12.479	105	327107	19.66	ug/l	100
74) N-amyl acetate	12.285	43	53473	18.38	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	58531	20.42	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	47277m	21.98	ug/l	
77) Bromobenzene	12.761	156	74982	20.12	ug/l	93
78) n-propylbenzene	12.820	91	395216	19.79	ug/l	97
79) 2-Chlorotoluene	12.908	91	218075	19.73	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	270137	19.84	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	16343	18.95	ug/l	97
82) 4-Chlorotoluene	13.002	91	227226	19.43	ug/l	98
83) tert-Butylbenzene	13.220	119	230262	19.55	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	269133	19.79	ug/l	97
85) sec-Butylbenzene	13.402	105	322138	19.59	ug/l	99
86) p-Isopropyltoluene	13.514	119	292606	19.70	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	144452	19.95	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	143329	19.91	ug/l	97
89) n-Butylbenzene	13.838	91	283337	19.53	ug/l	97
90) Hexachloroethane	14.108	117	58507	21.22	ug/l	88
91) 1,2-Dichlorobenzene	13.885	146	127277	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9008	20.92	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	94235	22.31	ug/l	98
94) Hexachlorobutadiene	15.261	225	53357	22.92	ug/l	99
95) Naphthalene	15.396	128	169652	21.78	ug/l	98
96) 1,2,3-Trichlorobenzene	15.591	180	85078	23.21	ug/l	95

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

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