

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021221\
 Data File : VD068352.D
 Acq On : 12 Feb 2021 11:11
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 10:25:20 AM

Quant Time: Feb 12 12:26:52 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	441714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	762371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	688850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	305359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	45622	10.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.12%#		
35) Dibromofluoromethane	7.920	113	45881	10.64	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.28%#		
50) Toluene-d8	10.343	98	186783	10.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.38%#		
62) 4-Bromofluorobenzene	12.631	95	58814	9.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.22%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	44965	9.01	ug/l	87
3) Chloromethane	2.208	50	53265	9.75	ug/l	95
4) Vinyl Chloride	2.350	62	60936	9.97	ug/l	94
5) Bromomethane	2.767	94	45137	10.72	ug/l	93
6) Chloroethane	2.926	64	40345	10.70	ug/l	99
7) Trichlorofluoromethane	3.279	101	77433	9.71	ug/l	93
8) Diethyl Ether	3.708	74	21675	9.21	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	47517	10.17	ug/l	94
10) Methyl Iodide	4.308	142	36284	8.23	ug/l	95
11) Tert butyl alcohol	5.232	59	11655	21.24	ug/l	97
12) 1,1-Dichloroethene	4.073	96	45268	9.68	ug/l	96
13) Acrolein	3.932	56	11806	36.06	ug/l	94
14) Allyl chloride	4.720	41	57036	8.51	ug/l	96
15) Acrylonitrile	5.420	53	47886	51.08	ug/l	96
16) Acetone	4.161	43	37040	50.09	ug/l	98
17) Carbon Disulfide	4.414	76	126316	8.55	ug/l #	93
18) Methyl Acetate	4.732	43	17964	9.34	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	97891	9.09	ug/l	97
20) Methylene Chloride	4.979	84	64416	10.86	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	52834	9.82	ug/l	92
22) Diisopropyl ether	6.367	45	129226	9.44	ug/l #	93
23) Vinyl Acetate	6.308	43	313858	43.22	ug/l	98
24) 1,1-Dichloroethane	6.267	63	87816	9.81	ug/l	95
25) 2-Butanone	7.214	43	48776	44.27	ug/l	99
26) 2,2-Dichloropropane	7.208	77	75126	8.99	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	57304	9.77	ug/l	95
28) Bromochloromethane	7.549	49	35145	10.94	ug/l	84
29) Tetrahydrofuran	7.567	42	33084	46.57	ug/l	94
30) Chloroform	7.714	83	92231	10.15	ug/l	99
31) Cyclohexane	7.985	56	79611	9.10	ug/l #	88
32) 1,1,1-Trichloroethane	7.908	97	78083	9.59	ug/l #	95
36) 1,1-Dichloropropene	8.114	75	72784	9.78	ug/l	95
37) Ethyl Acetate	7.296	43	23386	8.89	ug/l	97
38) Carbon Tetrachloride	8.096	117	67462	9.66	ug/l	84
39) Methylcyclohexane	9.355	83	85158	8.84	ug/l	92
40) Benzene	8.355	78	205652	9.85	ug/l	99

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41) Methacrylonitrile	7.526	41	13210m	8.39	ug/l	
42) 1,2-Dichloroethane	8.426	62	53864	9.65	ug/l	100
43) Isopropyl Acetate	8.455	43	44128	8.14	ug/l	98
44) Trichloroethene	9.114	130	56676	9.89	ug/l	95
45) 1,2-Dichloropropane	9.390	63	49702	9.73	ug/l	97
46) Dibromomethane	9.479	93	26182	10.05	ug/l	93
47) Bromodichloromethane	9.661	83	69959	9.95	ug/l	93
48) Methyl methacrylate	9.455	41	21845	8.22	ug/l #	86
49) 1,4-Dioxane	9.467	88	6074	197.21	ug/l #	88
51) 4-Methyl-2-Pentanone	10.232	43	113641	44.58	ug/l	100
52) Toluene	10.402	92	131820	9.71	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	61835	8.80	ug/l	100
54) cis-1,3-Dichloropropene	10.090	75	79170	9.44	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	37844	10.23	ug/l	98
56) Ethyl methacrylate	10.661	69	41919	8.61	ug/l #	94
57) 1,3-Dichloropropane	10.949	76	65219	10.03	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	105060	45.24	ug/l	96
59) 2-Hexanone	10.985	43	76324	43.24	ug/l	99
60) Dibromochloromethane	11.143	129	45445	9.82	ug/l	99
61) 1,2-Dibromoethane	11.249	107	35546	9.78	ug/l	100
64) Tetrachloroethene	10.879	164	45643	9.71	ug/l	97
65) Chlorobenzene	11.673	112	139647	9.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	48775	9.75	ug/l	97
67) Ethyl Benzene	11.743	91	244235	9.28	ug/l	100
68) m/p-Xylenes	11.855	106	186360	18.78	ug/l	98
69) o-Xylene	12.179	106	84734	9.18	ug/l	98
70) Styrene	12.196	104	146736	9.32	ug/l	99
71) Bromoform	12.361	173	24642	9.67	ug/l #	99
73) Isopropylbenzene	12.479	105	236542	9.55	ug/l	99
74) N-amyl acetate	12.284	43	40448	8.01	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.731	83	41502	10.45	ug/l	97
76) 1,2,3-Trichloropropane	12.784	75	28920m	10.12	ug/l	
77) Bromobenzene	12.761	156	53241	10.02	ug/l	92
78) n-propylbenzene	12.820	91	288571	9.84	ug/l	96
79) 2-Chlorotoluene	12.908	91	155408	9.46	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	195060	9.47	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	11895	8.48	ug/l	92
82) 4-Chlorotoluene	13.002	91	164910	9.64	ug/l	98
83) tert-Butylbenzene	13.220	119	165340	9.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	194456	9.51	ug/l	100
85) sec-Butylbenzene	13.402	105	231447	9.43	ug/l	98
86) p-Isopropyltoluene	13.514	119	206844	9.30	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	102136	9.96	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	104849	10.40	ug/l	97
89) n-Butylbenzene	13.843	91	206878	9.69	ug/l	96
90) Hexachloroethane	14.108	117	38222	9.56	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	88868	10.12	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	5298	8.23	ug/l	92
93) 1,2,4-Trichlorobenzene	15.161	180	58200	9.71	ug/l	99
94) Hexachlorobutadiene	15.267	225	30342	9.11	ug/l	95
95) Naphthalene	15.396	128	103050	9.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	49555	9.76	ug/l	100

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

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