

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068455.D
 Acq On : 26 Feb 2021 13:21
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:05:35 AM

Quant Time: Feb 26 13:35:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 13:16:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	337944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	578937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	544611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	250755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	475290	138.54	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.08%#			
35) Dibromofluoromethane	7.920	113	492641	144.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 288.22%#			
50) Toluene-d8	10.344	98	1994681	141.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 282.94%#			
62) 4-Bromofluorobenzene	12.632	95	643191	139.38	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 278.76%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	463787	145.49	ug/l	99
3) Chloromethane	2.215	50	568262	148.96	ug/l	99
4) Vinyl Chloride	2.350	62	694916	152.28	ug/l	98
5) Bromomethane	2.750	94	504895	155.52	ug/l	100
6) Chloroethane	2.909	64	445058	150.50	ug/l	99
7) Trichlorofluoromethane	3.273	101	796560	144.01	ug/l	100
8) Diethyl Ether	3.709	74	243302	150.11	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	483385	143.78	ug/l	95
10) Methyl Iodide	4.303	142	627125	192.19	ug/l	95
11) Tert butyl alcohol	5.226	59	121072	698.90	ug/l	98
12) 1,1-Dichloroethene	4.067	96	484358	147.69	ug/l	96
13) Acrolein	3.926	56	183275	887.68	ug/l	99
14) Allyl chloride	4.720	41	642643	151.03	ug/l	99
15) Acrylonitrile	5.426	53	498568	716.19	ug/l	100
16) Acetone	4.161	43	348231	648.49	ug/l #	83
17) Carbon Disulfide	4.414	76	1607148	164.47	ug/l	100
18) Methyl Acetate	4.720	43	196684	135.19	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	1082745	148.32	ug/l	95
20) Methylene Chloride	4.973	84	555217	128.61	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	587417	154.04	ug/l	93
22) Diisopropyl ether	6.367	45	1405898	149.61	ug/l	95
23) Vinyl Acetate	6.308	43	3932355	812.86	ug/l	98
24) 1,1-Dichloroethane	6.267	63	957037	149.09	ug/l	99
25) 2-Butanone	7.214	43	551717	733.97	ug/l	98
26) 2,2-Dichloropropane	7.208	77	814530	148.62	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	646798	150.11	ug/l	96
28) Bromochloromethane	7.550	49	363835	138.39	ug/l	81
29) Tetrahydrofuran	7.567	42	358391	733.23	ug/l	98
30) Chloroform	7.714	83	1001127	149.45	ug/l	99
31) Cyclohexane	7.985	56	841612	143.97	ug/l	95
32) 1,1,1-Trichloroethane	7.908	97	874942	151.50	ug/l	96
36) 1,1-Dichloropropene	8.114	75	791826	150.92	ug/l	97
37) Ethyl Acetate	7.297	43	257483	148.01	ug/l	97
38) Carbon Tetrachloride	8.097	117	754172	151.93	ug/l	99
39) Methylcyclohexane	9.355	83	1022050	158.31	ug/l	99
40) Benzene	8.355	78	2304733	154.79	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	163096m	165.38	ug/l	
42) 1,2-Dichloroethane	8.426	62	596366	150.48	ug/l	99
43) Isopropyl Acetate	8.455	43	503737	151.52	ug/l	99
44) Trichloroethene	9.114	130	624911	154.22	ug/l	98
45) 1,2-Dichloropropane	9.391	63	559182	153.84	ug/l	98
46) Dibromomethane	9.479	93	296895	151.74	ug/l	94
47) Bromodichloromethane	9.667	83	779818	153.68	ug/l	99
48) Methyl methacrylate	9.461	41	261156	154.15	ug/l	96
49) 1,4-Dioxane	9.461	88	65072	2868.15	ug/l	94
51) 4-Methyl-2-Pentanone	10.232	43	1284667	749.22	ug/l	100
52) Toluene	10.402	92	1519252	158.56	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	732594	156.49	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	885556	153.79	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	414348	152.80	ug/l	95
56) Ethyl methacrylate	10.661	69	506177	158.48	ug/l	97
57) 1,3-Dichloropropane	10.949	76	714002	150.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	1224493	724.97	ug/l	92
59) 2-Hexanone	10.985	43	867161	747.60	ug/l	98
60) Dibromochloromethane	11.143	129	513919	152.34	ug/l	100
61) 1,2-Dibromoethane	11.249	107	397566	151.45	ug/l	99
64) Tetrachloroethene	10.879	164	495901	145.32	ug/l	97
65) Chlorobenzene	11.673	112	1597253	150.24	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	571651	154.53	ug/l	98
67) Ethyl Benzene	11.743	91	2973641	156.00	ug/l	99
68) m/p-Xylenes	11.855	106	2234293	309.09	ug/l	100
69) o-Xylene	12.179	106	1047391	157.92	ug/l	95
70) Styrene	12.196	104	1804252	156.69	ug/l	99
71) Bromoform	12.361	173	281622	148.17	ug/l #	99
73) Isopropylbenzene	12.479	105	2805224	152.38	ug/l	100
74) N-amyl acetate	12.285	43	499670	155.19	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	450598	142.05	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	324546m	136.35	ug/l	
77) Bromobenzene	12.761	156	618372	149.93	ug/l	92
78) n-propylbenzene	12.820	91	3333436	150.88	ug/l	97
79) 2-Chlorotoluene	12.908	91	1845853	150.96	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	2301954	152.79	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	147994	155.12	ug/l	93
82) 4-Chlorotoluene	13.002	91	1940052	149.92	ug/l	98
83) tert-Butylbenzene	13.220	119	1928445	147.94	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	2317184	153.97	ug/l	99
85) sec-Butylbenzene	13.396	105	2766922	152.07	ug/l	98
86) p-Isopropyltoluene	13.514	119	2544691	154.81	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1208229	150.77	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	1178009	147.89	ug/l	100
89) n-Butylbenzene	13.837	91	2395723	149.24	ug/l	98
90) Hexachloroethane	14.108	117	503622	165.12	ug/l	90
91) 1,2-Dichlorobenzene	13.884	146	1026209	148.46	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	78777	165.36	ug/l	91
93) 1,2,4-Trichlorobenzene	15.155	180	811618	173.67	ug/l	99
94) Hexachlorobutadiene	15.261	225	450656	174.95	ug/l	99
95) Naphthalene	15.396	128	1518102	176.12	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	678115	167.18	ug/l	98

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

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