

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031221\
 Data File : VD068612.D
 Acq On : 12 Mar 2021 17:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:39:52 PM

Quant Time: Mar 12 23:37:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	229571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	388947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	372470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219014	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	120089	52.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.70%			
35) Dibromofluoromethane	7.914	113	127702	54.50	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.00%			
50) Toluene-d8	10.338	98	467220	50.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.12%			
62) 4-Bromofluorobenzene	12.632	95	163440	54.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	109515	49.16	ug/l	96
3) Chloromethane	2.209	50	141056	50.10	ug/l	100
4) Vinyl Chloride	2.350	62	172194	51.51	ug/l	95
5) Bromomethane	2.768	94	125887	52.88	ug/l	95
6) Chloroethane	2.921	64	115742	53.54	ug/l	98
7) Trichlorofluoromethane	3.273	101	212424	55.70	ug/l	100
8) Diethyl Ether	3.709	74	68514	60.34	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	130133	56.01	ug/l	95
10) Methyl Iodide	4.303	142	151786	54.39	ug/l	93
11) Tert butyl alcohol	5.238	59	36121	294.95	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	125868	54.59	ug/l	98
13) Acrolein	3.921	56	38635	220.73	ug/l	95
14) Allyl chloride	4.720	41	163455	54.91	ug/l	98
15) Acrylonitrile	5.420	53	135588	282.93	ug/l	98
16) Acetone	4.162	43	100178	274.96	ug/l #	89
17) Carbon Disulfide	4.409	76	396543	52.50	ug/l	99
18) Methyl Acetate	4.720	43	62876	66.96	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	277729	55.56	ug/l	94
20) Methylene Chloride	4.973	84	173154	64.78	ug/l	99
21) trans-1,2-Dichloroethene	5.468	96	138126	50.18	ug/l	99
22) Diisopropyl ether	6.367	45	346542	52.86	ug/l	95
23) Vinyl Acetate	6.309	43	916612	269.51	ug/l	99
24) 1,1-Dichloroethane	6.267	63	234307	52.14	ug/l	99
25) 2-Butanone	7.214	43	145127	277.10	ug/l	96
26) 2,2-Dichloropropane	7.214	77	186236	49.75	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	160567	53.13	ug/l	99
28) Bromochloromethane	7.550	49	92595	52.79	ug/l	85
29) Tetrahydrofuran	7.562	42	91285	268.42	ug/l	98
30) Chloroform	7.714	83	251662	53.04	ug/l	97
31) Cyclohexane	7.985	56	180427	43.25	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	211100	52.12	ug/l	96
36) 1,1-Dichloropropene	8.114	75	180900	48.93	ug/l	99
37) Ethyl Acetate	7.291	43	67859	55.32	ug/l	96
38) Carbon Tetrachloride	8.103	117	180071	51.84	ug/l	96
39) Methylcyclohexane	9.356	83	217421	47.68	ug/l	97
40) Benzene	8.350	78	552401	52.09	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	39107m	54.92	ug/l	
42) 1,2-Dichloroethane	8.426	62	155968	55.93	ug/l	99
43) Isopropyl Acetate	8.456	43	131573	58.36	ug/l	98
44) Trichloroethene	9.114	130	154691	53.14	ug/l	98
45) 1,2-Dichloropropane	9.391	63	138734	54.72	ug/l	98
46) Dibromomethane	9.473	93	77213	55.98	ug/l	97
47) Bromodichloromethane	9.661	83	202383	56.73	ug/l	99
48) Methyl methacrylate	9.456	41	62804	52.26	ug/l #	83
49) 1,4-Dioxane	9.461	88	17466	1110.42	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	346196	293.45	ug/l	99
52) Toluene	10.403	92	363279	53.64	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	185538	56.27	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	219328	54.52	ug/l	99
55) 1,1,2-Trichloroethane	10.803	97	113354	59.39	ug/l	95
56) Ethyl methacrylate	10.661	69	129229	58.90	ug/l	97
57) 1,3-Dichloropropane	10.950	76	188208	56.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	320105	290.82	ug/l	94
59) 2-Hexanone	10.985	43	233000	296.30	ug/l	99
60) Dibromochloromethane	11.138	129	138943	58.80	ug/l	98
61) 1,2-Dibromoethane	11.250	107	103847	55.60	ug/l	94
64) Tetrachloroethene	10.879	164	122725	50.46	ug/l	98
65) Chlorobenzene	11.667	112	399859	52.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	145314	55.11	ug/l	98
67) Ethyl Benzene	11.744	91	706037	52.15	ug/l	98
68) m/p-Xylenes	11.850	106	544816	105.95	ug/l	98
69) o-Xylene	12.179	106	254891	53.82	ug/l	96
70) Styrene	12.191	104	450280	55.60	ug/l	98
71) Bromoform	12.361	173	81116	60.56	ug/l #	98
73) Isopropylbenzene	12.479	105	694825	42.77	ug/l	99
74) N-amyl acetate	12.285	43	127586	46.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	130910	46.84	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	90716m	46.66	ug/l	
77) Bromobenzene	12.761	156	173999	46.94	ug/l	95
78) n-propylbenzene	12.820	91	857262	44.17	ug/l	98
79) 2-Chlorotoluene	12.902	91	471238	43.74	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	605824	45.50	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	37870	45.45	ug/l	95
82) 4-Chlorotoluene	13.002	91	498510	43.98	ug/l	99
83) tert-Butylbenzene	13.220	119	497409	43.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	614618	46.10	ug/l	98
85) sec-Butylbenzene	13.397	105	754950	47.15	ug/l	98
86) p-Isopropyltoluene	13.514	119	723254	49.76	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	362523	50.63	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	365838	51.58	ug/l	99
89) n-Butylbenzene	13.838	91	662234	47.23	ug/l	99
90) Hexachloroethane	14.108	117	113588	39.32	ug/l	91
91) 1,2-Dichlorobenzene	13.885	146	321522	52.36	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23164	47.02	ug/l	91
93) 1,2,4-Trichlorobenzene	15.155	180	225579	47.56	ug/l	98
94) Hexachlorobutadiene	15.261	225	121638	46.21	ug/l	99
95) Naphthalene	15.396	128	412062	47.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	180842	44.04	ug/l	97

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

