

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068594.D
 Acq On : 11 Mar 2021 19:26
 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
 3/12/2021 2:01:30 PM

Quant Time: Mar 12 00:15:10 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	7.985	168	367601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	622818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	582452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	327952	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	175264	47.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.44%			
35) Dibromofluoromethane	7.920	113	193408	51.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.10%			
50) Toluene-d8	10.344	98	705596	47.22	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.44%			
62) 4-Bromofluorobenzene	12.632	95	253265	52.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.18%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	156196	43.78	ug/l	96
3) Chloromethane	2.209	50	183338	40.67	ug/l	97
4) Vinyl Chloride	2.350	62	234484	43.80	ug/l	99
5) Bromomethane	2.767	94	190562	49.99	ug/l	98
6) Chloroethane	2.920	64	162935	47.07	ug/l	95
7) Trichlorofluoromethane	3.273	101	305019	49.95	ug/l	97
8) Diethyl Ether	3.709	74	96218	52.92	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.103	101	198841	53.44	ug/l	98
10) Methyl Iodide	4.303	142	236770	53.05	ug/l	94
11) Tert butyl alcohol	5.220	59	50719	258.64	ug/l	96
12) 1,1-Dichloroethene	4.067	96	190232	51.53	ug/l	98
13) Acrolein	3.926	56	57141	203.88	ug/l	97
14) Allyl chloride	4.720	41	219751	46.10	ug/l	92
15) Acrylonitrile	5.426	53	174416	227.29	ug/l	99
16) Acetone	4.156	43	133670	229.12	ug/l	96
17) Carbon Disulfide	4.414	76	574904	47.53	ug/l	99
18) Methyl Acetate	4.720	43	80412	53.48	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	402460	50.28	ug/l	93
20) Methylene Chloride	4.973	84	253704	58.89	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	207130	46.99	ug/l	96
22) Diisopropyl ether	6.361	45	473681	45.13	ug/l	98
23) Vinyl Acetate	6.308	43	1228846	225.64	ug/l	98
24) 1,1-Dichloroethane	6.267	63	333370	46.33	ug/l	99
25) 2-Butanone	7.214	43	181028	215.86	ug/l	92
26) 2,2-Dichloropropane	7.208	77	282458	47.12	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	238255	49.24	ug/l	99
28) Bromochloromethane	7.550	49	130203	46.36	ug/l	95
29) Tetrahydrofuran	7.567	42	116854	214.59	ug/l	94
30) Chloroform	7.714	83	375684	49.44	ug/l	99
31) Cyclohexane	7.991	56	258557	38.71	ug/l	98
32) 1,1,1-Trichloroethane	7.908	97	315571	48.66	ug/l	97
36) 1,1-Dichloropropene	8.114	75	269612	45.54	ug/l	98
37) Ethyl Acetate	7.297	43	83281	42.40	ug/l	98
38) Carbon Tetrachloride	8.097	117	276040	49.62	ug/l	98
39) Methylcyclohexane	9.355	83	319656	43.78	ug/l	96
40) Benzene	8.355	78	794757	46.80	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	57660m	50.57	ug/l	
42) 1,2-Dichloroethane	8.426	62	223153	49.97	ug/l	98
43) Isopropyl Acetate	8.455	43	172504	47.78	ug/l	99
44) Trichloroethene	9.114	130	231792	49.72	ug/l	99
45) 1,2-Dichloropropane	9.391	63	198579	48.91	ug/l	96
46) Dibromomethane	9.479	93	112423	50.90	ug/l	96
47) Bromodichloromethane	9.667	83	288368	50.48	ug/l	98
48) Methyl methacrylate	9.461	41	78944	41.02	ug/l #	78
49) 1,4-Dioxane	9.461	88	25587	1015.88	ug/l	99
51) 4-Methyl-2-Pentanone	10.232	43	440824	233.35	ug/l	98
52) Toluene	10.408	92	533130	49.16	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	263265	49.86	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	315327	48.95	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	158876	51.98	ug/l	95
56) Ethyl methacrylate	10.661	69	182758	52.02	ug/l	95
57) 1,3-Dichloropropane	10.949	76	264365	49.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	429319	243.58	ug/l	96
59) 2-Hexanone	10.985	43	300261	238.45	ug/l	98
60) Dibromochloromethane	11.138	129	200829	53.08	ug/l	99
61) 1,2-Dibromoethane	11.249	107	152435	50.97	ug/l	100
64) Tetrachloroethene	10.879	164	192229	50.54	ug/l	97
65) Chlorobenzene	11.673	112	592570	49.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	218900	53.09	ug/l	98
67) Ethyl Benzene	11.743	91	1032019	48.74	ug/l	99
68) m/p-Xylenes	11.855	106	802107	99.75	ug/l	98
69) o-Xylene	12.179	106	382624	51.66	ug/l	93
70) Styrene	12.191	104	660011	52.11	ug/l	99
71) Bromoform	12.361	173	120488	57.52	ug/l #	100
73) Isopropylbenzene	12.479	105	1030568	42.37	ug/l	98
74) N-amyl acetate	12.285	43	171212	41.32	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	177826	42.50	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	124575m	42.79	ug/l	
77) Bromobenzene	12.761	156	258943	46.65	ug/l	99
78) n-propylbenzene	12.820	91	1243380	42.78	ug/l	99
79) 2-Chlorotoluene	12.908	91	692915	42.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	885973	44.44	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	51476	41.26	ug/l	93
82) 4-Chlorotoluene	13.002	91	723726	42.64	ug/l	100
83) tert-Butylbenzene	13.220	119	743512	43.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	900808	45.12	ug/l	98
85) sec-Butylbenzene	13.396	105	1096206	45.72	ug/l	100
86) p-Isopropyltoluene	13.514	119	1040430	47.80	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	526500	49.11	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	517404	48.71	ug/l	100
89) n-Butylbenzene	13.837	91	947148	45.11	ug/l	98
90) Hexachloroethane	14.108	117	163356	37.76	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	457523	49.76	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	29784	40.38	ug/l	94
93) 1,2,4-Trichlorobenzene	15.155	180	314870	44.33	ug/l	99
94) Hexachlorobutadiene	15.261	225	175138	44.43	ug/l	99
95) Naphthalene	15.396	128	556996	43.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	263028	42.78	ug/l	98

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

