

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070099.D
 Acq On : 17 Aug 2021 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:59:09 PM

Quant Time: Aug 18 03:08:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	509808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	939751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	908303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	436503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	310287	51.748	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.500%			
35) Dibromofluoromethane	7.909	113	317436	52.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.338	98	1227067	51.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.626	95	407949	52.449	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	207170	41.244	ug/l	99
3) Chloromethane	2.209	50	334981	47.138	ug/l	99
4) Vinyl Chloride	2.344	62	348694	40.415	ug/l	99
5) Bromomethane	2.762	94	238111	50.331	ug/l	93
6) Chloroethane	2.921	64	236912	42.981	ug/l	96
7) Trichlorofluoromethane	3.268	101	428623	41.362	ug/l	97
8) Diethyl Ether	3.709	74	144668	48.781	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	279384	42.378	ug/l	98
10) Methyl Iodide	4.297	142	250475	41.553	ug/l	99
11) Tert butyl alcohol	5.226	59	72899	219.957	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	267388	44.147	ug/l	93
13) Acrolein	3.926	56	77952	204.193	ug/l	98
14) Allyl chloride	4.715	41	411183	45.498	ug/l	99
15) Acrylonitrile	5.420	53	341748	248.518	ug/l	99
16) Acetone	4.156	43	235093	212.833	ug/l	99
17) Carbon Disulfide	4.409	76	940874	42.966	ug/l	99
18) Methyl Acetate	4.715	43	167042	50.722	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	625682	49.775	ug/l	98
20) Methylene Chloride	4.962	84	399177	53.614	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	322352	45.819	ug/l	97
22) Diisopropyl ether	6.362	45	964326	50.735	ug/l	95
23) Vinyl Acetate	6.303	43	2225521	258.363	ug/l	100
24) 1,1-Dichloroethane	6.262	63	609698	46.884	ug/l	99
25) 2-Butanone	7.214	43	378530	250.790	ug/l	97
26) 2,2-Dichloropropane	7.209	77	439416	43.398	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	367745	49.220	ug/l	97
28) Bromochloromethane	7.538	49	238033	50.300	ug/l	99
29) Tetrahydrofuran	7.561	42	260669	263.747	ug/l	98
30) Chloroform	7.709	83	621421	48.590	ug/l	97
31) Cyclohexane	7.985	56	496439	41.829	ug/l	100
32) 1,1,1-Trichloroethane	7.897	97	492893	46.120	ug/l	98
36) 1,1-Dichloropropene	8.109	75	455725	45.078	ug/l	99
37) Ethyl Acetate	7.291	43	179502	48.883	ug/l	99
38) Carbon Tetrachloride	8.091	117	408589	44.517	ug/l	92
39) Methylcyclohexane	9.350	83	514431	43.704	ug/l	95
40) Benzene	8.350	78	1386434	47.281	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	93494	47.093	ug/l	95
42) 1,2-Dichloroethane	8.420	62	364239	48.468	ug/l	97
43) Isopropyl Acetate	8.450	43	335180	48.892	ug/l	99
44) Trichloroethene	9.108	130	327483	46.231	ug/l	99
45) 1,2-Dichloropropane	9.385	63	339879	44.623	ug/l	95
46) Dibromomethane	9.467	93	175995	47.572	ug/l	98
47) Bromodichloromethane	9.656	83	471356	49.246	ug/l	99
48) Methyl methacrylate	9.456	41	161519	49.406	ug/l	96
49) 1,4-Dioxane	9.456	88	42261	1049.687	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	920067	258.108	ug/l	99
52) Toluene	10.403	92	860426	48.208	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	395439	46.643	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	469732	45.648	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	260173	49.635	ug/l	99
56) Ethyl methacrylate	10.655	69	311728	52.260	ug/l	98
57) 1,3-Dichloropropane	10.938	76	447657	49.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	830935	264.116	ug/l	100
59) 2-Hexanone	10.979	43	614737	257.506	ug/l	99
60) Dibromochloromethane	11.138	129	300467	50.039	ug/l	98
61) 1,2-Dibromoethane	11.238	107	241066	50.800	ug/l	100
64) Tetrachloroethene	10.873	164	257507	43.946	ug/l	96
65) Chlorobenzene	11.667	112	893223	47.067	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	319164	47.357	ug/l	99
67) Ethyl Benzene	11.738	91	1611492	48.027	ug/l	100
68) m/p-Xylenes	11.850	106	1269363	97.618	ug/l	97
69) o-Xylene	12.173	106	573741	48.901	ug/l	100
70) Styrene	12.185	104	1037821	50.504	ug/l	99
71) Bromoform	12.349	173	162031	49.346	ug/l #	100
73) Isopropylbenzene	12.473	105	1477659	46.422	ug/l	98
74) N-amyl acetate	12.279	43	326642	47.594	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	301312	47.441	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	193998m	43.824	ug/l	
77) Bromobenzene	12.755	156	331757	46.957	ug/l	99
78) n-propylbenzene	12.814	91	1903972	46.381	ug/l	100
79) 2-Chlorotoluene	12.897	91	1096965	46.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1275112	47.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	78308	45.916	ug/l	95
82) 4-Chlorotoluene	12.997	91	1152033	46.584	ug/l	100
83) tert-Butylbenzene	13.214	119	1032583	46.880	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	1290865	48.021	ug/l	99
85) sec-Butylbenzene	13.391	105	1608203	45.571	ug/l	100
86) p-Isopropyltoluene	13.502	119	1329641	46.637	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	691978	46.098	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	675815	45.454	ug/l	99
89) n-Butylbenzene	13.832	91	1251725	44.740	ug/l	99
90) Hexachloroethane	14.096	117	271440	45.116	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	599546	46.611	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	42550	44.852	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	330937	46.266	ug/l	98
94) Hexachlorobutadiene	15.249	225	183269	43.374	ug/l	98
95) Naphthalene	15.385	128	634098	48.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	293954	47.078	ug/l	99

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

