

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070316.D
 Acq On : 10 Sep 2021 22:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2021 7:33:03 PM

Quant Time: Sep 11 02:31:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	425189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	765427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	776120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	355599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266812	48.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.740%			
35) Dibromofluoromethane	7.914	113	272613	50.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.080%			
50) Toluene-d8	10.338	98	1026228	51.877	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.626	95	354633	51.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	180662	41.770	ug/l	96
3) Chloromethane	2.209	50	246680	42.261	ug/l	100
4) Vinyl Chloride	2.350	62	258633	38.661	ug/l	96
5) Bromomethane	2.762	94	200046	49.158	ug/l	96
6) Chloroethane	2.920	64	185692	45.529	ug/l	94
7) Trichlorofluoromethane	3.267	101	352792	39.871	ug/l	98
8) Diethyl Ether	3.709	74	110554	45.197	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	221532	40.306	ug/l	99
10) Methyl Iodide	4.303	142	213681	40.804	ug/l	99
11) Tert butyl alcohol	5.214	59	82456	133.576	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	207324	41.883	ug/l	92
13) Acrolein	3.920	56	54273	199.973	ug/l	93
14) Allyl chloride	4.708	41	299924	41.232	ug/l	93
15) Acrylonitrile	5.420	53	243520	208.950	ug/l	98
16) Acetone	4.156	43	176549	181.128	ug/l #	84
17) Carbon Disulfide	4.409	76	733589	40.166	ug/l	99
18) Methyl Acetate	4.720	43	121449	45.256	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	503755	47.091	ug/l	98
20) Methylene Chloride	4.961	84	329053	54.888	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	267510	45.398	ug/l	99
22) Diisopropyl ether	6.361	45	726732	46.678	ug/l	97
23) Vinyl Acetate	6.303	43	1608856	223.061	ug/l	99
24) 1,1-Dichloroethane	6.261	63	487499	44.254	ug/l	98
25) 2-Butanone	7.208	43	267502	206.167	ug/l	96
26) 2,2-Dichloropropane	7.202	77	361367	40.584	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	294631	46.546	ug/l	100
28) Bromochloromethane	7.544	49	205749	47.073	ug/l	99
29) Tetrahydrofuran	7.561	42	175259	210.417	ug/l	99
30) Chloroform	7.708	83	509127	45.081	ug/l	97
31) Cyclohexane	7.985	56	363572	38.659	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	417472	43.918	ug/l	98
36) 1,1-Dichloropropene	8.114	75	362296	44.283	ug/l	98
37) Ethyl Acetate	7.291	43	128173	41.896	ug/l	99
38) Carbon Tetrachloride	8.091	117	344062	42.522	ug/l	98
39) Methylcyclohexane	9.349	83	393838	43.090	ug/l	99
40) Benzene	8.349	78	1095657	45.699	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	77742m	48.298	ug/l	
42) 1,2-Dichloroethane	8.420	62	299799	46.687	ug/l	98
43) Isopropyl Acetate	8.449	43	239507	42.341	ug/l	98
44) Trichloroethene	9.108	130	270958	47.287	ug/l	98
45) 1,2-Dichloropropane	9.385	63	281682	44.780	ug/l	95
46) Dibromomethane	9.473	93	147121	45.419	ug/l	98
47) Bromodichloromethane	9.661	83	387797	46.928	ug/l	96
48) Methyl methacrylate	9.449	41	120946	46.308	ug/l #	92
49) 1,4-Dioxane	9.455	88	32409	998.936	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	656612	224.321	ug/l	96
52) Toluene	10.396	92	696150	48.054	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	317804	44.708	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	378498	43.752	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	202774	45.505	ug/l	98
56) Ethyl methacrylate	10.655	69	237267	48.775	ug/l	92
57) 1,3-Dichloropropane	10.938	76	355289	46.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	578935	246.924	ug/l	99
59) 2-Hexanone	10.979	43	436784	223.652	ug/l	99
60) Dibromochloromethane	11.132	129	245448	47.330	ug/l	99
61) 1,2-Dibromoethane	11.243	107	191106	46.633	ug/l	99
64) Tetrachloroethene	10.873	164	223898	47.382	ug/l	97
65) Chlorobenzene	11.661	112	740899	46.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	268021	45.515	ug/l	99
67) Ethyl Benzene	11.738	91	1316021	47.460	ug/l	98
68) m/p-Xylenes	11.843	106	1020393	95.280	ug/l	99
69) o-Xylene	12.173	106	481317	50.167	ug/l	98
70) Styrene	12.185	104	833659	49.740	ug/l	98
71) Bromoform	12.349	173	137306	47.177	ug/l #	94
73) Isopropylbenzene	12.473	105	1213034	48.642	ug/l	100
74) N-amyl acetate	12.279	43	233488	42.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	231489	43.341	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	172257m	47.890	ug/l	
77) Bromobenzene	12.755	156	277134	48.168	ug/l	95
78) n-propylbenzene	12.814	91	1529732	47.262	ug/l	99
79) 2-Chlorotoluene	12.896	91	882088	46.755	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1046535	48.625	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	54978	38.297	ug/l	92
82) 4-Chlorotoluene	12.996	91	928685	46.660	ug/l	99
83) tert-Butylbenzene	13.214	119	848575	49.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1040086	49.074	ug/l	100
85) sec-Butylbenzene	13.390	105	1304616	47.548	ug/l	100
86) p-Isopropyltoluene	13.502	119	1067462	48.421	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	565030	47.170	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	551113	45.837	ug/l	99
89) n-Butylbenzene	13.832	91	1020286	46.420	ug/l	99
90) Hexachloroethane	14.096	117	215895	42.781	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	483564	45.754	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33602	42.007	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	278855	48.860	ug/l	100
94) Hexachlorobutadiene	15.249	225	158247	45.204	ug/l	98
95) Naphthalene	15.384	128	509432	49.115	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	240962	47.852	ug/l	99

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

