

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070394.D
 Acq On : 20 Sep 2021 20:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 6:59:37 PM

Quant Time: Sep 21 03:36:34 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	7.973	168	504689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	934830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	916622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	416864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	328098	50.630	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.260%
35) Dibromofluoromethane	7.914	113	322564	48.475	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.940%
50) Toluene-d8	10.332	98	1204059	49.837	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.620	95	440044	52.116	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.240%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	209963	40.796	ug/l	99
3) Chloromethane	2.209	50	281598	40.475	ug/l	100
4) Vinyl Chloride	2.344	62	297940	37.521	ug/l	99
5) Bromomethane	2.756	94	209586	42.707	ug/l	100
6) Chloroethane	2.915	64	203741	41.791	ug/l	98
7) Trichlorofluoromethane	3.267	101	418908	39.885	ug/l	96
8) Diethyl Ether	3.709	74	142524	49.088	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	259344	39.752	ug/l	98
10) Methyl Iodide	4.297	142	278715	44.737	ug/l	99
11) Tert butyl alcohol	5.226	59	79642	108.694	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	250537	42.640	ug/l	96
13) Acrolein	3.926	56	79367	246.368	ug/l	95
14) Allyl chloride	4.714	41	381792	44.219	ug/l	93
15) Acrylonitrile	5.420	53	316766	228.984	ug/l	99
16) Acetone	4.156	43	232167	200.669	ug/l	94
17) Carbon Disulfide	4.403	76	813431	37.522	ug/l	100
18) Methyl Acetate	4.714	43	154053	48.470	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	661688	52.111	ug/l	98
20) Methylene Chloride	4.962	84	377089	52.699	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	307306	43.936	ug/l	99
22) Diisopropyl ether	6.361	45	895832	48.475	ug/l	98
23) Vinyl Acetate	6.303	43	2100382	245.337	ug/l	97
24) 1,1-Dichloroethane	6.261	63	572247	43.764	ug/l	99
25) 2-Butanone	7.208	43	350377	227.502	ug/l	94
26) 2,2-Dichloropropane	7.208	77	441311	41.755	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	353859	47.097	ug/l	98
28) Bromochloromethane	7.544	49	263420	50.774	ug/l	99
29) Tetrahydrofuran	7.561	42	238042	240.775	ug/l	99
30) Chloroform	7.708	83	598258	44.629	ug/l	97
31) Cyclohexane	7.985	56	437202	39.166	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	493219	43.713	ug/l	98
36) 1,1-Dichloropropene	8.108	75	420938	42.127	ug/l	99
37) Ethyl Acetate	7.291	43	171909	46.009	ug/l	98
38) Carbon Tetrachloride	8.091	117	417296	42.227	ug/l	94
39) Methylcyclohexane	9.355	83	465421	41.694	ug/l	99
40) Benzene	8.350	78	1275282	43.552	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	99199m	50.461	ug/l	
42) 1,2-Dichloroethane	8.420	62	365669	46.626	ug/l	96
43) Isopropyl Acetate	8.450	43	323995	46.897	ug/l	96
44) Trichloroethene	9.108	130	310340	44.346	ug/l	91
45) 1,2-Dichloropropane	9.385	63	327380	42.614	ug/l	100
46) Dibromomethane	9.473	93	177919	44.974	ug/l	97
47) Bromodichloromethane	9.655	83	461318	45.709	ug/l	97
48) Methyl methacrylate	9.455	41	145096	45.487	ug/l #	91
49) 1,4-Dioxane	9.455	88	39577	998.818	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	845753	236.579	ug/l	98
52) Toluene	10.397	92	800233	45.229	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	412376	47.499	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	486572	46.052	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	243350	44.715	ug/l	96
56) Ethyl methacrylate	10.655	69	306673	51.619	ug/l #	93
57) 1,3-Dichloropropane	10.938	76	419335	45.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	812428	283.720	ug/l	99
59) 2-Hexanone	10.979	43	585913	245.647	ug/l	97
60) Dibromochloromethane	11.132	129	294667	46.525	ug/l	97
61) 1,2-Dibromoethane	11.238	107	231147	46.183	ug/l	99
64) Tetrachloroethene	10.873	164	260468	46.672	ug/l	96
65) Chlorobenzene	11.661	112	853034	44.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	314503	45.221	ug/l	99
67) Ethyl Benzene	11.738	91	1521865	46.471	ug/l	99
68) m/p-Xylenes	11.844	106	1163421	91.983	ug/l	97
69) o-Xylene	12.173	106	584149	51.553	ug/l	99
70) Styrene	12.185	104	980655	49.542	ug/l	98
71) Bromoform	12.349	173	162505	47.277	ug/l #	100
73) Isopropylbenzene	12.473	105	1479939	50.623	ug/l	99
74) N-amyl acetate	12.279	43	470490	73.864	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	283453	45.270	ug/l	79
76) 1,2,3-Trichloropropane	12.773	75	175583m	41.641	ug/l	
77) Bromobenzene	12.749	156	321064	47.602	ug/l	98
78) n-propylbenzene	12.808	91	1771917	46.699	ug/l	100
79) 2-Chlorotoluene	12.896	91	1050074	47.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1235221	48.957	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	77873	46.273	ug/l #	63
82) 4-Chlorotoluene	12.996	91	1069037	45.818	ug/l	99
83) tert-Butylbenzene	13.214	119	1062705	52.517	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	1225400	49.321	ug/l	100
85) sec-Butylbenzene	13.390	105	1573067	48.906	ug/l	99
86) p-Isopropyltoluene	13.502	119	1276203	49.382	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	640658	45.624	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	620467	44.021	ug/l	99
89) n-Butylbenzene	13.832	91	1173301	45.536	ug/l	99
90) Hexachloroethane	14.096	117	248186	41.952	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	558593	45.086	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40938	43.657	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	316877	47.362	ug/l	99
94) Hexachlorobutadiene	15.249	225	182216	44.401	ug/l	99
95) Naphthalene	15.384	128	623070	51.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	286806	48.586	ug/l	97

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

