

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070745.D
 Acq On : 18 Oct 2021 22:25
 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
 10/19/2021 5:24:09 PM

Quant Time: Oct 19 06:43:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	471939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	816362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	788443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	372095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278561	49.834	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.914	113	262128	50.147	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.300%		
50) Toluene-d8	10.332	98	1002656	50.038	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.626	95	358473	51.956	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	255118	46.237	ug/l	98
3) Chloromethane	2.209	50	414043	50.571	ug/l	100
4) Vinyl Chloride	2.350	62	401199	47.819	ug/l	99
5) Bromomethane	2.767	94	243688	47.634	ug/l	99
6) Chloroethane	2.920	64	262329	49.651	ug/l	99
7) Trichlorofluoromethane	3.273	101	432897	45.641	ug/l	98
8) Diethyl Ether	3.709	74	142283	56.304	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.097	101	269772	47.550	ug/l	99
10) Methyl Iodide	4.297	142	284853	48.507	ug/l	98
11) Tert butyl alcohol	5.226	59	83367	266.417	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	261077	50.892	ug/l	91
13) Acrolein	3.926	56	91384	301.730	ug/l	99
14) Allyl chloride	4.714	41	517068	53.250	ug/l #	92
15) Acrylonitrile	5.414	53	362608	272.506	ug/l	99
16) Acetone	4.156	43	322593	239.273	ug/l	100
17) Carbon Disulfide	4.409	76	934871	50.013	ug/l	100
18) Methyl Acetate	4.714	43	252771	53.937	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	647187	58.354	ug/l	98
20) Methylene Chloride	4.967	84	417872	63.384	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	312879	53.165	ug/l	93
22) Diisopropyl ether	6.361	45	1100164	58.192	ug/l #	95
23) Vinyl Acetate	6.303	43	2540257	253.332	ug/l	95
24) 1,1-Dichloroethane	6.261	63	615059	52.222	ug/l	98
25) 2-Butanone	7.208	43	436336	261.973	ug/l #	86
26) 2,2-Dichloropropane	7.214	77	452521	48.579	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	348192	55.176	ug/l	90
28) Bromochloromethane	7.544	49	244858	52.294	ug/l	86
29) Tetrahydrofuran	7.561	42	290068	284.487	ug/l #	85
30) Chloroform	7.708	83	590333	51.303	ug/l	97
31) Cyclohexane	7.985	56	532440	47.081	ug/l	87
32) 1,1,1-Trichloroethane	7.902	97	477426	48.908	ug/l	95
36) 1,1-Dichloropropene	8.108	75	444142	48.837	ug/l	98
37) Ethyl Acetate	7.291	43	206618	54.839	ug/l #	92
38) Carbon Tetrachloride	8.097	117	411132	47.199	ug/l	97
39) Methylcyclohexane	9.355	83	494204	48.188	ug/l	91
40) Benzene	8.350	78	1332519	50.875	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	109245	46.135	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	369874	49.758	ug/l	97
43) Isopropyl Acetate	8.450	43	374551	52.114	ug/l	92
44) Trichloroethene	9.108	130	303403	49.329	ug/l	93
45) 1,2-Dichloropropane	9.385	63	362947	52.447	ug/l	97
46) Dibromomethane	9.473	93	172619	52.089	ug/l	95
47) Bromodichloromethane	9.655	83	452138	51.432	ug/l	99
48) Methyl methacrylate	9.449	41	195767	55.603	ug/l #	83
49) 1,4-Dioxane	9.455	88	37032	1040.716	ug/l #	83
51) 4-Methyl-2-Pentanone	10.220	43	1024555	270.455	ug/l	92
52) Toluene	10.396	92	819302	52.541	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	416337	53.020	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	487146	51.824	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	233140	51.225	ug/l	98
56) Ethyl methacrylate	10.655	69	308398	49.821	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	425249	52.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	700347	292.158	ug/l	94
59) 2-Hexanone	10.979	43	705812	264.702	ug/l	90
60) Dibromochloromethane	11.132	129	278061	53.159	ug/l	98
61) 1,2-Dibromoethane	11.238	107	213444	51.257	ug/l	97
64) Tetrachloroethene	10.873	164	255248	48.178	ug/l	91
65) Chlorobenzene	11.661	112	816675	50.507	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	300899	50.292	ug/l	99
67) Ethyl Benzene	11.738	91	1516781	51.303	ug/l	99
68) m/p-Xylenes	11.843	106	1140337	101.810	ug/l	96
69) o-Xylene	12.173	106	530287	52.190	ug/l	96
70) Styrene	12.185	104	950537	53.819	ug/l	98
71) Bromoform	12.349	173	154285	49.662	ug/l #	99
73) Isopropylbenzene	12.473	105	1359647	51.282	ug/l	99
74) N-amyl acetate	12.279	43	367655	53.266	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	270619	51.599	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	181798m	56.551	ug/l	
77) Bromobenzene	12.749	156	314715	52.432	ug/l	99
78) n-propylbenzene	12.808	91	1748399	50.735	ug/l	99
79) 2-Chlorotoluene	12.896	91	1017680	51.098	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1178677	52.590	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	79677	54.286	ug/l	90
82) 4-Chlorotoluene	12.996	91	1088082	51.649	ug/l	97
83) tert-Butylbenzene	13.214	119	945744	51.059	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1173560	52.663	ug/l	99
85) sec-Butylbenzene	13.390	105	1452185	49.890	ug/l	99
86) p-Isopropyltoluene	13.502	119	1197243	51.159	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	620579	49.236	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	619380	49.763	ug/l	99
89) n-Butylbenzene	13.832	91	1161307	49.171	ug/l	99
90) Hexachloroethane	14.102	117	237973	47.124	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	546825	50.762	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40829	48.809	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	317054	51.452	ug/l	97
94) Hexachlorobutadiene	15.249	225	188759	46.714	ug/l	99
95) Naphthalene	15.384	128	587652	48.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	284357	51.936	ug/l	98

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

