

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070790.D
 Acq On : 21 Oct 2021 09:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2021 7:08:08 PM

Quant Time: Oct 22 06:10:58 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	7.973	168	436725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	692643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	659194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245971	47.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.100%			
35) Dibromofluoromethane	7.908	113	222031	50.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.332	98	865864	50.930	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.620	95	299218	51.114	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	244807	47.945	ug/l	96
3) Chloromethane	2.209	50	348109	45.946	ug/l	99
4) Vinyl Chloride	2.350	62	358752	46.207	ug/l	100
5) Bromomethane	2.762	94	209286	44.208	ug/l	98
6) Chloroethane	2.921	64	228361	46.707	ug/l	96
7) Trichlorofluoromethane	3.273	101	432013	49.220	ug/l	100
8) Diethyl Ether	3.709	74	106719	45.636	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.091	101	257328	49.014	ug/l	99
10) Methyl Iodide	4.297	142	247166	45.690	ug/l	98
11) Tert butyl alcohol	5.215	59	59714	206.216	ug/l	99
12) 1,1-Dichloroethene	4.067	96	226276	47.665	ug/l	90
13) Acrolein	3.926	56	84235	300.551	ug/l	97
14) Allyl chloride	4.715	41	426692	47.486	ug/l #	91
15) Acrylonitrile	5.414	53	292673	237.684	ug/l	99
16) Acetone	4.150	43	345359	276.814	ug/l	94
17) Carbon Disulfide	4.409	76	854616	49.406	ug/l	99
18) Methyl Acetate	4.715	43	204034	47.048	ug/l #	87
19) Methyl tert-butyl Ether	5.467	73	510130	49.705	ug/l	99
20) Methylene Chloride	4.956	84	301169	47.708	ug/l #	87
21) trans-1,2-Dichloroethene	5.473	96	275334	50.558	ug/l	95
22) Diisopropyl ether	6.362	45	913730	52.228	ug/l #	95
23) Vinyl Acetate	6.303	43	2156638	233.765	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	526192	48.279	ug/l	98
25) 2-Butanone	7.208	43	384776	249.645	ug/l #	86
26) 2,2-Dichloropropane	7.203	77	436296	50.613	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	283681	48.578	ug/l	87
28) Bromochloromethane	7.544	49	200810	46.344	ug/l	84
29) Tetrahydrofuran	7.556	42	238752	253.039	ug/l #	83
30) Chloroform	7.708	83	513807	48.253	ug/l	99
31) Cyclohexane	7.985	56	506304	48.380	ug/l	89
32) 1,1,1-Trichloroethane	7.897	97	445809	49.351	ug/l	96
36) 1,1-Dichloropropene	8.108	75	413036	53.529	ug/l	97
37) Ethyl Acetate	7.285	43	166026	51.936	ug/l #	91
38) Carbon Tetrachloride	8.091	117	391403	52.960	ug/l	97
39) Methylcyclohexane	9.350	83	462432	53.144	ug/l #	88
40) Benzene	8.344	78	1157058	52.067	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	95578	47.513	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	325789	51.655	ug/l	95
43) Isopropyl Acetate	8.444	43	301210	49.395	ug/l #	92
44) Trichloroethene	9.108	130	261800	50.168	ug/l	91
45) 1,2-Dichloropropane	9.379	63	309281	52.675	ug/l	97
46) Dibromomethane	9.473	93	145519	51.755	ug/l	96
47) Bromodichloromethane	9.655	83	386439	51.810	ug/l	97
48) Methyl methacrylate	9.450	41	157241	52.638	ug/l #	82
49) 1,4-Dioxane	9.461	88	32409	1073.481	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	860739	267.796	ug/l	90
52) Toluene	10.397	92	710187	53.679	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	352490	52.907	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	420704	52.750	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	201058	52.067	ug/l	97
56) Ethyl methacrylate	10.655	69	242942	46.555	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	352901	51.508	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	593978	292.044	ug/l	94
59) 2-Hexanone	10.979	43	636761	281.461	ug/l	88
60) Dibromochloromethane	11.132	129	232697	52.432	ug/l	99
61) 1,2-Dibromoethane	11.238	107	175427	49.652	ug/l	98
64) Tetrachloroethene	10.873	164	227141	51.278	ug/l	91
65) Chlorobenzene	11.661	112	688212	50.907	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	257910	51.559	ug/l	99
67) Ethyl Benzene	11.738	91	1328793	53.757	ug/l	99
68) m/p-Xylenes	11.844	106	1018291	108.739	ug/l	95
69) o-Xylene	12.173	106	454180	53.464	ug/l	96
70) Styrene	12.185	104	814434	55.155	ug/l	96
71) Bromoform	12.349	173	128999	49.664	ug/l #	99
73) Isopropylbenzene	12.473	105	1212715	51.761	ug/l	99
74) N-amyl acetate	12.279	43	301299	49.398	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	225941	48.751	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	150308m	52.910	ug/l	
77) Bromobenzene	12.749	156	267392	50.412	ug/l	99
78) n-propylbenzene	12.808	91	1606709	52.760	ug/l	99
79) 2-Chlorotoluene	12.896	91	902355	51.272	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1068888	53.969	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	67734	52.224	ug/l #	87
82) 4-Chlorotoluene	12.996	91	965888	51.884	ug/l	97
83) tert-Butylbenzene	13.214	119	847588	51.783	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	1055423	53.595	ug/l	99
85) sec-Butylbenzene	13.391	105	1344138	52.256	ug/l	100
86) p-Isopropyltoluene	13.502	119	1086677	52.547	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	549632	49.347	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	538311	48.943	ug/l	99
89) n-Butylbenzene	13.832	91	1088022	52.132	ug/l	99
90) Hexachloroethane	14.096	117	215693	48.334	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	472223	49.607	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33705	45.596	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	269507	49.493	ug/l	98
94) Hexachlorobutadiene	15.249	225	170310	47.696	ug/l	99
95) Naphthalene	15.385	128	461014	43.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	231893	47.929	ug/l	95

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

