

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070628.D
 Acq On : 08 Oct 2021 10:10
 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
 10/13/2021 2:06:48 PM

Quant Time: Oct 08 18:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	347686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	583830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	560830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	179916	43.970	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.940%		
35) Dibromofluoromethane	7.909	113	188955	48.679	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.360%		
50) Toluene-d8	10.332	98	727251	49.010	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.626	95	242416	48.879	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.760%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	182314	42.993	ug/l	98
3) Chloromethane	2.209	50	221535	42.076	ug/l	100
4) Vinyl Chloride	2.350	62	252625	43.298	ug/l	98
5) Bromomethane	2.762	94	162877	45.661	ug/l	96
6) Chloroethane	2.921	64	155860	41.836	ug/l	99
7) Trichlorofluoromethane	3.268	101	340618	45.045	ug/l	99
8) Diethyl Ether	3.709	74	83535	42.460	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	205763	44.899	ug/l	99
10) Methyl Iodide	4.297	142	194824	41.713	ug/l	97
11) Tert butyl alcohol	5.220	59	40204	198.344	ug/l	99
12) 1,1-Dichloroethene	4.068	96	181009	44.365	ug/l	96
13) Acrolein	3.921	56	49455	254.124	ug/l	99
14) Allyl chloride	4.715	41	236870	41.707	ug/l	97
15) Acrylonitrile	5.420	53	190263	222.908	ug/l	99
16) Acetone	4.156	43	178807	257.335	ug/l	94
17) Carbon Disulfide	4.409	76	654238	43.920	ug/l	98
18) Methyl Acetate	4.709	43	115523	43.085	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	379239	46.659	ug/l	97
20) Methylene Chloride	4.956	84	247580	47.979	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	222204	46.302	ug/l	91
22) Diisopropyl ether	6.356	45	547933	46.962	ug/l	96
23) Vinyl Acetate	6.303	43	1227775	231.454	ug/l	98
24) 1,1-Dichloroethane	6.262	63	378140	44.003	ug/l	99
25) 2-Butanone	7.209	43	213543	234.728	ug/l	95
26) 2,2-Dichloropropane	7.203	77	319816	44.970	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	231948	45.993	ug/l	98
28) Bromochloromethane	7.544	49	145477	48.621	ug/l	96
29) Tetrahydrofuran	7.556	42	133742	228.080	ug/l	99
30) Chloroform	7.703	83	402236	44.997	ug/l	100
31) Cyclohexane	7.979	56	336694	44.439	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	354674	46.062	ug/l	99
36) 1,1-Dichloropropene	8.109	75	305921	49.337	ug/l	99
37) Ethyl Acetate	7.291	43	99465	48.284	ug/l	99
38) Carbon Tetrachloride	8.091	117	318183	49.034	ug/l	100
39) Methylcyclohexane	9.350	83	353916	49.636	ug/l	96
40) Benzene	8.344	78	888238	48.603	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	52674m	49.580	ug/l	
42) 1,2-Dichloroethane	8.420	62	222769	47.133	ug/l	99
43) Isopropyl Acetate	8.444	43	174546	46.241	ug/l	97
44) Trichloroethene	9.109	130	215896	47.907	ug/l	98
45) 1,2-Dichloropropane	9.385	63	226733	48.614	ug/l	96
46) Dibromomethane	9.467	93	115047	48.060	ug/l	99
47) Bromodichloromethane	9.656	83	297232	48.115	ug/l	100
48) Methyl methacrylate	9.450	41	87931	49.694	ug/l	99
49) 1,4-Dioxane	9.456	88	23236	955.249	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	490395	251.812	ug/l	100
52) Toluene	10.397	92	572678	51.007	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	261294	48.329	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	312759	48.047	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	158714	48.668	ug/l	97
56) Ethyl methacrylate	10.656	69	172848	44.532	ug/l	99
57) 1,3-Dichloropropane	10.938	76	273885	49.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	439677	279.829	ug/l	99
59) 2-Hexanone	10.979	43	354825	251.384	ug/l	100
60) Dibromochloromethane	11.132	129	195662	49.804	ug/l	98
61) 1,2-Dibromoethane	11.238	107	146979	48.404	ug/l	100
64) Tetrachloroethene	10.867	164	179684	49.966	ug/l	93
65) Chlorobenzene	11.661	112	569701	47.638	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	212742	47.820	ug/l	98
67) Ethyl Benzene	11.738	91	1049985	50.880	ug/l	98
68) m/p-Xylenes	11.844	106	842989	103.725	ug/l	100
69) o-Xylene	12.173	106	368945	51.040	ug/l	100
70) Styrene	12.185	104	670828	52.673	ug/l	99
71) Bromoform	12.350	173	100974	48.344	ug/l #	99
73) Isopropylbenzene	12.473	105	981531	48.840	ug/l	99
74) N-amyl acetate	12.279	43	172045	45.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	177639	45.212	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	135032m	54.121	ug/l	
77) Bromobenzene	12.749	156	214318	47.702	ug/l	96
78) n-propylbenzene	12.808	91	1278226	50.261	ug/l	99
79) 2-Chlorotoluene	12.897	91	718045	48.130	ug/l	100
80) 1,3,5-Trimethylbenzene	12.950	105	864849	50.459	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	50266	44.730	ug/l	96
82) 4-Chlorotoluene	12.997	91	774952	49.688	ug/l	99
83) tert-Butylbenzene	13.214	119	693332	48.946	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	861334	50.508	ug/l	98
85) sec-Butylbenzene	13.391	105	1093672	49.805	ug/l	99
86) p-Isopropyltoluene	13.502	119	907440	50.594	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	449975	47.694	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	445743	47.654	ug/l	99
89) n-Butylbenzene	13.832	91	854278	49.894	ug/l	99
90) Hexachloroethane	14.096	117	178729	46.090	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	383519	47.672	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	24982	44.038	ug/l	98
93) 1,2,4-Trichlorobenzene	15.144	180	209846	48.453	ug/l	99
94) Hexachlorobutadiene	15.249	225	133874	48.916	ug/l	99
95) Naphthalene	15.385	128	366094	42.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	186387	48.858	ug/l	99

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

