

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070877.D
 Acq On : 27 Oct 2021 22:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:34:39 PM

Quant Time: Oct 28 04:02:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	538045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	890442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	823710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	397546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260705	48.177	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.360%		
35) Dibromofluoromethane	7.914	113	292563	49.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.660%		
50) Toluene-d8	10.332	98	1122328	50.811	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.620	95	373830	51.295	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	206218	41.327	ug/l	100
3) Chloromethane	2.209	50	303115	42.920	ug/l	98
4) Vinyl Chloride	2.344	62	344544	44.101	ug/l	97
5) Bromomethane	2.768	94	215603	43.310	ug/l	98
6) Chloroethane	2.921	64	185051	38.338	ug/l	96
7) Trichlorofluoromethane	3.273	101	406713	42.267	ug/l	98
8) Diethyl Ether	3.709	74	137520	51.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	264412	42.634	ug/l	98
10) Methyl Iodide	4.303	142	339596	51.945	ug/l	97
11) Tert butyl alcohol	5.220	59	68404	237.847	ug/l	98
12) 1,1-Dichloroethene	4.062	96	260454	47.975	ug/l	97
13) Acrolein	3.920	56	56918	220.695	ug/l	97
14) Allyl chloride	4.715	41	410613	48.281	ug/l	96
15) Acrylonitrile	5.420	53	300490	235.311	ug/l	96
16) Acetone	4.156	43	221386	175.847	ug/l	92
17) Carbon Disulfide	4.409	76	892379	46.497	ug/l	99
18) Methyl Acetate	4.715	43	211670	49.043	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	601724	53.282	ug/l	96
20) Methylene Chloride	4.962	84	384860	56.211	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	320732	49.855	ug/l	94
22) Diisopropyl ether	6.361	45	890714	50.505	ug/l	97
23) Vinyl Acetate	6.303	43	1984320	224.325	ug/l	99
24) 1,1-Dichloroethane	6.261	63	560972	47.193	ug/l	98
25) 2-Butanone	7.208	43	336851	217.385	ug/l	99
26) 2,2-Dichloropropane	7.208	77	409870	43.217	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	354056	51.355	ug/l	95
28) Bromochloromethane	7.544	49	223931	48.042	ug/l	91
29) Tetrahydrofuran	7.561	42	233680	249.617	ug/l	95
30) Chloroform	7.708	83	566240	47.461	ug/l	98
31) Cyclohexane	7.979	56	481427	43.661	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	455028	44.657	ug/l	99
36) 1,1-Dichloropropene	8.108	75	429215	46.071	ug/l	100
37) Ethyl Acetate	7.291	43	153732	44.382	ug/l	97
38) Carbon Tetrachloride	8.097	117	407313	43.477	ug/l	97
39) Methylcyclohexane	9.350	83	499908	46.631	ug/l	94
40) Benzene	8.350	78	1277736	47.173	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	99066m	54.065	ug/l	
42) 1,2-Dichloroethane	8.420	62	312277	45.282	ug/l	98
43) Isopropyl Acetate	8.450	43	296127	45.991	ug/l	99
44) Trichloroethene	9.108	130	339979	48.582	ug/l	97
45) 1,2-Dichloropropane	9.385	63	337472	46.994	ug/l	100
46) Dibromomethane	9.473	93	167932	47.699	ug/l	97
47) Bromodichloromethane	9.655	83	414828	45.579	ug/l	98
48) Methyl methacrylate	9.450	41	148778	48.360	ug/l	93
49) 1,4-Dioxane	9.455	88	38889	1034.950	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	799478	236.787	ug/l	96
52) Toluene	10.397	92	803831	49.380	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	382527	48.225	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	468360	47.823	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	241193	48.304	ug/l	95
56) Ethyl methacrylate	10.655	69	288239	47.280	ug/l	95
57) 1,3-Dichloropropane	10.938	76	411310	48.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	601672	253.468	ug/l	98
59) 2-Hexanone	10.979	43	540730	224.344	ug/l	95
60) Dibromochloromethane	11.132	129	292752	48.864	ug/l	98
61) 1,2-Dibromoethane	11.238	107	225668	48.963	ug/l	100
64) Tetrachloroethene	10.873	164	288915	51.122	ug/l	98
65) Chlorobenzene	11.661	112	847209	50.132	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	310593	49.543	ug/l	100
67) Ethyl Benzene	11.738	91	1511435	51.360	ug/l	100
68) m/p-Xylenes	11.844	106	1192387	104.061	ug/l	99
69) o-Xylene	12.173	106	549047	52.905	ug/l	99
70) Styrene	12.185	104	950585	52.887	ug/l	99
71) Bromoform	12.349	173	169809	51.257	ug/l #	100
73) Isopropylbenzene	12.467	105	1410390	53.190	ug/l	99
74) N-amyl acetate	12.279	43	276760	47.457	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	263552	48.707	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	197957m	50.583	ug/l	
77) Bromobenzene	12.749	156	337687	52.267	ug/l	95
78) n-propylbenzene	12.808	91	1774354	52.133	ug/l	99
79) 2-Chlorotoluene	12.896	91	1016409	51.432	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1202107	53.416	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	73687	49.419	ug/l	99
82) 4-Chlorotoluene	12.996	91	1068886	52.046	ug/l	98
83) tert-Butylbenzene	13.214	119	1000537	53.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1188870	53.581	ug/l	99
85) sec-Butylbenzene	13.391	105	1512301	51.095	ug/l	99
86) p-Isopropyltoluene	13.502	119	1250118	52.500	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	672880	50.435	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	657117	49.663	ug/l	99
89) n-Butylbenzene	13.832	91	1164728	49.922	ug/l	99
90) Hexachloroethane	14.096	117	248583	46.521	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	581250	51.057	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	35696	45.281	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	349255	53.093	ug/l	99
94) Hexachlorobutadiene	15.249	225	214567	49.507	ug/l	99
95) Naphthalene	15.385	128	614780	49.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	305085	53.372	ug/l	96

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

