

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070396.D
 Acq On : 21 Sep 2021 10:08
 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
 9/23/2021 11:04:00 AM

Quant Time: Sep 22 01:45:32 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	7.979	168	501224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	852796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	798620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	375072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	276451	42.955	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.900%		
35) Dibromofluoromethane	7.909	113	282520	46.541	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.080%		
50) Toluene-d8	10.338	98	1092099	49.551	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.100%		
62) 4-Bromofluorobenzene	12.626	95	373239	48.456	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	235170	46.635	ug/l	99
3) Chloromethane	2.209	50	300355	43.795	ug/l	99
4) Vinyl Chloride	2.350	62	335867	42.589	ug/l	96
5) Bromomethane	2.762	94	207879	42.645	ug/l	98
6) Chloroethane	2.921	64	203981	42.161	ug/l	99
7) Trichlorofluoromethane	3.273	101	468121	44.879	ug/l	100
8) Diethyl Ether	3.709	74	127256	44.133	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	294707	45.485	ug/l	98
10) Methyl Iodide	4.297	142	275729	44.568	ug/l	99
11) Tert butyl alcohol	5.226	59	66407	91.258	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	264483	45.325	ug/l	97
13) Acrolein	3.920	56	65940	206.104	ug/l	96
14) Allyl chloride	4.715	41	381352	44.473	ug/l	97
15) Acrylonitrile	5.420	53	294910	214.658	ug/l	99
16) Acetone	4.156	43	287446	250.166	ug/l	96
17) Carbon Disulfide	4.409	76	892603	41.459	ug/l	99
18) Methyl Acetate	4.715	43	136690	43.138	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	592457	46.981	ug/l	99
20) Methylene Chloride	4.962	84	343195	47.583	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	313397	45.117	ug/l	97
22) Diisopropyl ether	6.362	45	864140	47.084	ug/l	98
23) Vinyl Acetate	6.303	43	2004402	235.744	ug/l	99
24) 1,1-Dichloroethane	6.262	63	570496	43.932	ug/l	97
25) 2-Butanone	7.209	43	344040	224.932	ug/l	96
26) 2,2-Dichloropropane	7.203	77	485905	46.292	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	340045	45.571	ug/l	98
28) Bromochloromethane	7.544	49	231311	44.893	ug/l	95
29) Tetrahydrofuran	7.561	42	217761	221.784	ug/l	97
30) Chloroform	7.709	83	583912	43.860	ug/l	98
31) Cyclohexane	7.985	56	501558	45.242	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	503175	44.904	ug/l	98
36) 1,1-Dichloropropene	8.108	75	456653	50.097	ug/l	97
37) Ethyl Acetate	7.291	43	157031	46.070	ug/l	97
38) Carbon Tetrachloride	8.097	117	440502	48.863	ug/l	98
39) Methylcyclohexane	9.355	83	521236	51.186	ug/l	99
40) Benzene	8.350	78	1273612	47.679	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	83071	46.321	ug/l	91
42) 1,2-Dichloroethane	8.420	62	333112	46.560	ug/l	99
43) Isopropyl Acetate	8.450	43	289775	45.979	ug/l	98
44) Trichloroethene	9.108	130	312940	49.019	ug/l	92
45) 1,2-Dichloropropane	9.385	63	332476	47.440	ug/l	97
46) Dibromomethane	9.473	93	169359	46.928	ug/l	99
47) Bromodichloromethane	9.661	83	433822	47.119	ug/l	98
48) Methyl methacrylate	9.450	41	142878	49.101	ug/l	96
49) 1,4-Dioxane	9.461	88	35745	988.886	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	780250	239.251	ug/l	99
52) Toluene	10.397	92	815778	50.543	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	393342	49.665	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	476746	49.463	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	230559	46.440	ug/l	97
56) Ethyl methacrylate	10.655	69	273654	50.492	ug/l	94
57) 1,3-Dichloropropane	10.938	76	403177	47.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	706871	270.603	ug/l	99
59) 2-Hexanone	10.979	43	555138	255.133	ug/l	99
60) Dibromochloromethane	11.132	129	279080	48.302	ug/l	100
61) 1,2-Dibromoethane	11.238	107	215371	47.170	ug/l	99
64) Tetrachloroethene	10.873	164	259337	53.336	ug/l	95
65) Chlorobenzene	11.667	112	819860	49.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	300404	49.576	ug/l	98
67) Ethyl Benzene	11.738	91	1500343	52.583	ug/l	98
68) m/p-Xylenes	11.844	106	1184950	107.528	ug/l	99
69) o-Xylene	12.173	106	533648	54.054	ug/l	98
70) Styrene	12.185	104	939469	54.474	ug/l	99
71) Bromoform	12.355	173	146902	49.052	ug/l #	99
73) Isopropylbenzene	12.473	105	1420367	53.999	ug/l	100
74) N-amyl acetate	12.279	43	277507	48.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	259227	46.014	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	205548m	54.179	ug/l	
77) Bromobenzene	12.749	156	302564	49.858	ug/l	99
78) n-propylbenzene	12.808	91	1809749	53.010	ug/l	99
79) 2-Chlorotoluene	12.896	91	1018011	51.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1217753	53.643	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	76340	50.417	ug/l	98
82) 4-Chlorotoluene	12.996	91	1067570	50.853	ug/l	100
83) tert-Butylbenzene	13.214	119	999910	54.920	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1207046	53.995	ug/l	99
85) sec-Butylbenzene	13.391	105	1554174	53.703	ug/l	99
86) p-Isopropyltoluene	13.502	119	1278340	54.976	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	622619	49.279	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	611433	48.214	ug/l	100
89) n-Butylbenzene	13.832	91	1232373	53.158	ug/l	100
90) Hexachloroethane	14.096	117	251110	47.176	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	535409	48.030	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	36078	42.761	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	302172	50.196	ug/l	98
94) Hexachlorobutadiene	15.249	225	186520	50.514	ug/l	98
95) Naphthalene	15.385	128	540979	49.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	264127	49.729	ug/l	98

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

