

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091521\
 Data File : VD070366.D
 Acq On : 15 Sep 2021 09:22
 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
 9/16/2021 7:23:12 PM

Quant Time: Sep 16 02:38:21 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	7.973	168	410504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	672741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	655555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	319817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236911	44.946	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.900%		
35) Dibromofluoromethane	7.908	113	243669	50.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.760%		
50) Toluene-d8	10.332	98	943778	54.282	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.560%		
62) 4-Bromofluorobenzene	12.626	95	310478	51.096	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	207371	50.585	ug/l	97
3) Chloromethane	2.209	50	264028	47.329	ug/l	100
4) Vinyl Chloride	2.350	62	296281	45.873	ug/l	99
5) Bromomethane	2.762	94	188368	47.800	ug/l	100
6) Chloroethane	2.914	64	192930	49.292	ug/l	100
7) Trichlorofluoromethane	3.273	101	403255	47.204	ug/l	100
8) Diethyl Ether	3.709	74	101398	42.937	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	256615	48.359	ug/l	98
10) Methyl Iodide	4.297	142	222050	43.840	ug/l	96
11) Tert butyl alcohol	5.214	59	68836	115.501	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	222314	46.518	ug/l	98
13) Acrolein	3.920	56	66275	252.931	ug/l	94
14) Allyl chloride	4.714	41	306349	43.622	ug/l	97
15) Acrylonitrile	5.414	53	250312	222.461	ug/l	99
16) Acetone	4.156	43	268353	285.163	ug/l	98
17) Carbon Disulfide	4.403	76	791877	44.909	ug/l	99
18) Methyl Acetate	4.720	43	117068	45.182	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	472966	45.794	ug/l	99
20) Methylene Chloride	4.956	84	280717	47.511	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	267372	46.998	ug/l	97
22) Diisopropyl ether	6.361	45	708628	47.143	ug/l	98
23) Vinyl Acetate	6.303	43	1647459	236.584	ug/l	99
24) 1,1-Dichloroethane	6.255	63	473630	44.533	ug/l	97
25) 2-Butanone	7.208	43	295838	236.162	ug/l	97
26) 2,2-Dichloropropane	7.208	77	400906	46.635	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	279161	45.680	ug/l	98
28) Bromochloromethane	7.544	49	196105	46.471	ug/l	95
29) Tetrahydrofuran	7.561	42	184288	229.172	ug/l	96
30) Chloroform	7.708	83	490567	44.992	ug/l	100
31) Cyclohexane	7.985	56	422422	46.524	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	417076	45.446	ug/l	97
36) 1,1-Dichloropropene	8.108	75	382384	53.177	ug/l	98
37) Ethyl Acetate	7.291	43	136437	50.741	ug/l #	95
38) Carbon Tetrachloride	8.091	117	378994	53.292	ug/l	96
39) Methylcyclohexane	9.349	83	446440	55.575	ug/l	99
40) Benzene	8.350	78	1086719	51.571	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	67627	47.802	ug/l	94
42) 1,2-Dichloroethane	8.420	62	281346	49.850	ug/l	99
43) Isopropyl Acetate	8.449	43	238619	47.995	ug/l	97
44) Trichloroethene	9.108	130	255148	50.663	ug/l	90
45) 1,2-Dichloropropane	9.385	63	281719	50.957	ug/l	99
46) Dibromomethane	9.473	93	144289	50.682	ug/l	98
47) Bromodichloromethane	9.655	83	370355	50.992	ug/l	96
48) Methyl methacrylate	9.449	41	118656	51.690	ug/l	91
49) 1,4-Dioxane	9.461	88	30298	1062.532	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	667493	259.456	ug/l	98
52) Toluene	10.396	92	683150	53.654	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	326640	52.282	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	382929	50.363	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	199853	51.029	ug/l	97
56) Ethyl methacrylate	10.655	69	223410	52.254	ug/l	93
57) 1,3-Dichloropropane	10.938	76	338437	50.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	541916	262.980	ug/l	98
59) 2-Hexanone	10.979	43	492680	287.030	ug/l	99
60) Dibromochloromethane	11.132	129	233794	51.294	ug/l	98
61) 1,2-Dibromoethane	11.238	107	184792	51.305	ug/l	99
64) Tetrachloroethene	10.873	164	214462	53.732	ug/l	100
65) Chlorobenzene	11.667	112	678631	49.971	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	255692	51.407	ug/l	98
67) Ethyl Benzene	11.738	91	1259415	53.772	ug/l	99
68) m/p-Xylenes	11.843	106	998483	110.381	ug/l	98
69) o-Xylene	12.173	106	444730	54.879	ug/l	99
70) Styrene	12.185	104	801571	56.621	ug/l	100
71) Bromoform	12.355	173	125691	51.129	ug/l #	99
73) Isopropylbenzene	12.473	105	1181395	52.674	ug/l	100
74) N-amyl acetate	12.279	43	232862	47.651	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	228283	47.522	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	147543m	45.608	ug/l	
77) Bromobenzene	12.749	156	257264	49.717	ug/l	99
78) n-propylbenzene	12.808	91	1555955	53.450	ug/l	100
79) 2-Chlorotoluene	12.896	91	856833	50.498	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1035731	53.507	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	65781	50.949	ug/l	98
82) 4-Chlorotoluene	12.996	91	910285	50.853	ug/l	99
83) tert-Butylbenzene	13.214	119	833036	53.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1029994	54.035	ug/l	99
85) sec-Butylbenzene	13.390	105	1344264	54.475	ug/l	99
86) p-Isopropyltoluene	13.502	119	1091271	55.040	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	543042	50.407	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	530357	49.046	ug/l	100
89) n-Butylbenzene	13.832	91	1068340	54.044	ug/l	99
90) Hexachloroethane	14.096	117	220966	48.685	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	461063	48.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32588	45.297	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	272301	53.049	ug/l	97
94) Hexachlorobutadiene	15.249	225	177375	56.337	ug/l	99
95) Naphthalene	15.384	128	490785	52.611	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	237297	52.397	ug/l	98

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

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