

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069337.D
 Acq On : 03 Jun 2021 21:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2021 4:32:51 PM

Quant Time: Jun 04 09:40:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	629488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1059705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	965384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	451808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	269848	44.676	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.360%		
35) Dibromofluoromethane	7.920	113	292907	44.015	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.040%		
50) Toluene-d8	10.338	98	1049409	43.366	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.740%		
62) 4-Bromofluorobenzene	12.626	95	356787	44.996	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	271634	40.994	ug/l	99
3) Chloromethane	2.209	50	253285	50.634	ug/l	99
4) Vinyl Chloride	2.350	62	278938	54.736	ug/l	100
5) Bromomethane	2.773	94	215955	58.086	ug/l	94
6) Chloroethane	2.920	64	169994	58.459	ug/l	97
7) Trichlorofluoromethane	3.273	101	522651	44.093	ug/l	98
8) Diethyl Ether	3.708	74	158340	54.373	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	310290	44.454	ug/l	98
10) Methyl Iodide	4.303	142	406228	56.646	ug/l	97
11) Tert butyl alcohol	5.220	59	85342	228.188	ug/l	99
12) 1,1-Dichloroethene	4.067	96	300765	47.637	ug/l	96
13) Acrolein	3.926	56	85231	214.018	ug/l	84
14) Allyl chloride	4.714	41	370412	48.625	ug/l	99
15) Acrylonitrile	5.420	53	283278	249.531	ug/l	99
16) Acetone	4.155	43	823698	781.467	ug/l	95
17) Carbon Disulfide	4.408	76	909372	43.556	ug/l	99
18) Methyl Acetate	4.714	43	131232	46.008	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	640292	55.218	ug/l	92
20) Methylene Chloride	4.967	84	400896	52.285	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	363845	48.657	ug/l	96
22) Diisopropyl ether	6.367	45	752058	51.402	ug/l	95
23) Vinyl Acetate	6.308	43	2206358	236.659	ug/l	95
24) 1,1-Dichloroethane	6.267	63	587745	48.006	ug/l	99
25) 2-Butanone	7.214	43	334948	241.495	ug/l	90
26) 2,2-Dichloropropane	7.208	77	490791	43.503	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	411841	51.998	ug/l	95
28) Bromochloromethane	7.549	49	189713	44.692	ug/l	88
29) Tetrahydrofuran	7.561	42	200404	251.387	ug/l	97
30) Chloroform	7.708	83	656911	49.079	ug/l	97
31) Cyclohexane	7.985	56	446227	46.494	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	573798	47.503	ug/l	99
36) 1,1-Dichloropropene	8.114	75	469541	45.585	ug/l	98
37) Ethyl Acetate	7.291	43	160649	45.933	ug/l	96
38) Carbon Tetrachloride	8.096	117	489456	44.011	ug/l	98
39) Methylcyclohexane	9.355	83	525560	49.878	ug/l	94
40) Benzene	8.349	78	1417169	47.372	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	90321	53.192	ug/l	89
42) 1,2-Dichloroethane	8.426	62	381676	47.808	ug/l	99
43) Isopropyl Acetate	8.449	43	334205	52.505	ug/l	98
44) Trichloroethene	9.114	130	403446	49.637	ug/l	95
45) 1,2-Dichloropropane	9.390	63	331917	46.601	ug/l	97
46) Dibromomethane	9.473	93	196418	48.248	ug/l	91
47) Bromodichloromethane	9.661	83	495433	47.195	ug/l	95
48) Methyl methacrylate	9.455	41	143172	48.449	ug/l	86
49) 1,4-Dioxane	9.455	88	40742	1018.800	ug/l #	90
51) 4-Methyl-2-Pentanone	10.226	43	793765	241.441	ug/l	95
52) Toluene	10.402	92	1550744	82.127	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	455986	48.637	ug/l	100
54) cis-1,3-Dichloropropene	10.090	75	527424	47.185	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	277168	49.081	ug/l	97
56) Ethyl methacrylate	10.661	69	315450	49.034	ug/l	96
57) 1,3-Dichloropropane	10.943	76	439137	47.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	696988	263.589	ug/l	97
59) 2-Hexanone	10.979	43	541593	246.441	ug/l	99
60) Dibromochloromethane	11.137	129	349084	49.059	ug/l	97
61) 1,2-Dibromoethane	11.243	107	265902	49.363	ug/l	99
64) Tetrachloroethene	10.873	164	343475	51.115	ug/l	97
65) Chlorobenzene	11.667	112	979397	49.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	370554	50.131	ug/l	99
67) Ethyl Benzene	11.743	91	1760773	51.949	ug/l	99
68) m/p-Xylenes	11.849	106	1404698	105.766	ug/l	98
69) o-Xylene	12.179	106	647991	55.165	ug/l	98
70) Styrene	12.190	104	1094616	53.682	ug/l	100
71) Bromoform	12.355	173	201909	52.666	ug/l #	99
73) Isopropylbenzene	12.479	105	1659538	53.670	ug/l	100
74) N-amyl acetate	12.284	43	292887	53.636	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	281701	48.801	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	213732m	54.448	ug/l	
77) Bromobenzene	12.755	156	400441	53.775	ug/l	97
78) n-propylbenzene	12.814	91	1947803	51.363	ug/l	99
79) 2-Chlorotoluene	12.902	91	1129688	52.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	1412703	53.946	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	85104	48.043	ug/l	93
82) 4-Chlorotoluene	13.002	91	1160709	51.180	ug/l	100
83) tert-Butylbenzene	13.220	119	1182921	53.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1424184	54.683	ug/l	98
85) sec-Butylbenzene	13.396	105	1650789	50.998	ug/l	99
86) p-Isopropyltoluene	13.508	119	1477306	52.195	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	757563	50.271	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	743339	49.492	ug/l	98
89) n-Butylbenzene	13.837	91	1302991	49.204	ug/l	97
90) Hexachloroethane	14.102	117	258647	48.105	ug/l	96
91) 1,2-Dichlorobenzene	13.884	146	661561	50.945	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	42857	46.607	ug/l	91
93) 1,2,4-Trichlorobenzene	15.155	180	407602	52.315	ug/l	98
94) Hexachlorobutadiene	15.255	225	246734	50.440	ug/l	98
95) Naphthalene	15.390	128	774637	50.226	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	363130	52.955	ug/l	100

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

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