

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069620.D
 Acq On : 07 Jul 2021 20:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:07:03 PM

Quant Time: Jul 08 01:10:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	557486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1009971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	962511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	458099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	345807	49.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.520%		
35) Dibromofluoromethane	7.914	113	338015	49.510	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.020%		
50) Toluene-d8	10.338	98	1279406	49.960	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.626	95	442100	52.513	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	215074	40.221	ug/l	99
3) Chloromethane	2.209	50	346109	44.250	ug/l	98
4) Vinyl Chloride	2.344	62	368982	42.319	ug/l	99
5) Bromomethane	2.768	94	238140	45.416	ug/l	98
6) Chloroethane	2.920	64	251239	43.258	ug/l	96
7) Trichlorofluoromethane	3.267	101	472967	45.677	ug/l	99
8) Diethyl Ether	3.709	74	147590	53.884	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	296158	46.763	ug/l	97
10) Methyl Iodide	4.297	142	246383	42.822	ug/l	100
11) Tert butyl alcohol	5.214	59	153714	460.602	ug/l	98
12) 1,1-Dichloroethene	4.062	96	267285	48.552	ug/l	100
13) Acrolein	3.920	56	69145	178.772	ug/l	99
14) Allyl chloride	4.714	41	433999	56.234	ug/l	93
15) Acrylonitrile	5.420	53	339589	295.349	ug/l	98
16) Acetone	4.156	43	261254	223.366	ug/l	98
17) Carbon Disulfide	4.409	76	860718	47.488	ug/l	98
18) Methyl Acetate	4.714	43	165215	57.302	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	601698	55.614	ug/l	98
20) Methylene Chloride	4.967	84	428243	58.615	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	346703	52.200	ug/l	99
22) Diisopropyl ether	6.361	45	949493	61.054	ug/l	97
23) Vinyl Acetate	6.303	43	2628824	264.594	ug/l	100
24) 1,1-Dichloroethane	6.261	63	665744	54.046	ug/l	99
25) 2-Butanone	7.214	43	423043	284.634	ug/l	98
26) 2,2-Dichloropropane	7.208	77	494592	49.114	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	399056	55.295	ug/l	98
28) Bromochloromethane	7.544	49	286614	59.407	ug/l	97
29) Tetrahydrofuran	7.561	42	245775	301.623	ug/l	99
30) Chloroform	7.708	83	689072	52.918	ug/l	99
31) Cyclohexane	7.985	56	438521	46.869	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	545493	50.836	ug/l	99
36) 1,1-Dichloropropene	8.114	75	480234	48.448	ug/l	100
37) Ethyl Acetate	7.291	43	198684	54.015	ug/l	99
38) Carbon Tetrachloride	8.097	117	456624	46.546	ug/l	99
39) Methylcyclohexane	9.355	83	456323	46.669	ug/l	99
40) Benzene	8.350	78	1493820	52.275	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	117586	54.932	ug/l	88
42) 1,2-Dichloroethane	8.426	62	411417	49.555	ug/l	100
43) Isopropyl Acetate	8.450	43	361336	54.073	ug/l	98
44) Trichloroethene	9.108	130	354765	49.199	ug/l	97
45) 1,2-Dichloropropane	9.385	63	397203	54.148	ug/l	99
46) Dibromomethane	9.473	93	196092	51.042	ug/l	97
47) Bromodichloromethane	9.661	83	524999	50.890	ug/l	98
48) Methyl methacrylate	9.455	41	166892	52.573	ug/l	99
49) 1,4-Dioxane	9.467	88	42630	1126.442	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	1000378	284.680	ug/l	99
52) Toluene	10.402	92	924830	52.449	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	453273	50.817	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	553112	51.566	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	280831	51.765	ug/l	97
56) Ethyl methacrylate	10.655	69	318693	49.970	ug/l	97
57) 1,3-Dichloropropane	10.944	76	481751	52.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	916140	273.473	ug/l	97
59) 2-Hexanone	10.979	43	673021	283.816	ug/l	100
60) Dibromochloromethane	11.138	129	331717	51.878	ug/l	99
61) 1,2-Dibromoethane	11.244	107	257722	51.523	ug/l	98
64) Tetrachloroethene	10.873	164	283964	46.979	ug/l	97
65) Chlorobenzene	11.667	112	954619	49.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	354331	50.911	ug/l	98
67) Ethyl Benzene	11.738	91	1729424	51.716	ug/l	100
68) m/p-Xylenes	11.849	106	1326936	105.385	ug/l	99
69) o-Xylene	12.179	106	597089	52.901	ug/l	99
70) Styrene	12.191	104	1080460	54.346	ug/l	99
71) Bromoform	12.355	173	178664	50.656	ug/l #	97
73) Isopropylbenzene	12.473	105	1578036	49.997	ug/l	100
74) N-amyl acetate	12.285	43	340206	53.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	317794	50.129	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	230040m	51.156	ug/l	
77) Bromobenzene	12.755	156	354664	49.484	ug/l	94
78) n-propylbenzene	12.814	91	2018928	50.964	ug/l	99
79) 2-Chlorotoluene	12.902	91	1156829	51.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1371894	51.650	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	86901	48.252	ug/l	99
82) 4-Chlorotoluene	12.996	91	1237243	50.990	ug/l	100
83) tert-Butylbenzene	13.214	119	1065321	44.991	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1369833	51.878	ug/l	100
85) sec-Butylbenzene	13.390	105	1633716	49.332	ug/l	100
86) p-Isopropyltoluene	13.508	119	1415327	50.772	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	721342	49.142	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	709444	48.512	ug/l	100
89) n-Butylbenzene	13.832	91	1368380	49.208	ug/l	99
90) Hexachloroethane	14.102	117	258463	47.432	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	629325	49.560	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	46852	48.708	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	353410	49.891	ug/l	99
94) Hexachlorobutadiene	15.255	225	200561	45.125	ug/l	98
95) Naphthalene	15.390	128	657903	46.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	313750	50.250	ug/l	100

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

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