

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069784.D
 Acq On : 21 Jul 2021 11:57
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2021 6:02:25 PM

Quant Time: Jul 22 03:38:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	582914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1052069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	987733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	461213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	372045	51.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.914	113	362115	51.305	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.600%			
50) Toluene-d8	10.337	98	1444878	52.693	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.626	95	483876	52.911	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	85070	14.597	ug/l	95
3) Chloromethane	2.208	50	133300	16.006	ug/l	95
4) Vinyl Chloride	2.344	62	150644	16.989	ug/l	99
5) Bromomethane	2.750	94	104309	17.937	ug/l	100
6) Chloroethane	2.914	64	109807	19.355	ug/l	99
7) Trichlorofluoromethane	3.267	101	216625	19.373	ug/l	99
8) Diethyl Ether	3.708	74	61876	18.966	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	141723	20.438	ug/l	99
10) Methyl Iodide	4.303	142	103601	16.048	ug/l	100
11) Tert butyl alcohol	5.232	59	39767	40.893	ug/l #	79
12) 1,1-Dichloroethene	4.067	96	120785	19.000	ug/l	99
13) Acrolein	3.914	56	42114	83.928	ug/l	96
14) Allyl chloride	4.714	41	181254	18.453	ug/l	98
15) Acrylonitrile	5.414	53	140819	95.188	ug/l	98
16) Acetone	4.155	43	130965	93.150	ug/l	97
17) Carbon Disulfide	4.402	76	331265	15.074	ug/l	96
18) Methyl Acetate	4.720	43	119059	31.374	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	247866	18.418	ug/l	95
20) Methylene Chloride	4.961	84	223927	18.279	ug/l	96
21) trans-1,2-Dichloroethene	5.479	96	139699	18.402	ug/l	92
22) Diisopropyl ether	6.361	45	393142	19.312	ug/l	98
23) Vinyl Acetate	6.308	43	807210	81.589	ug/l	99
24) 1,1-Dichloroethane	6.261	63	285835	20.121	ug/l	98
25) 2-Butanone	7.208	43	171811	99.876	ug/l	99
26) 2,2-Dichloropropane	7.202	77	225686	19.913	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	164743	20.117	ug/l	99
28) Bromochloromethane	7.544	49	95669	17.450	ug/l	99
29) Tetrahydrofuran	7.567	42	94741	88.892	ug/l	95
30) Chloroform	7.708	83	300318	21.253	ug/l	97
31) Cyclohexane	7.985	56	195555	16.073	ug/l #	92
32) 1,1,1-Trichloroethane	7.902	97	243417	20.315	ug/l	99
36) 1,1-Dichloropropene	8.114	75	205886	18.969	ug/l	99
37) Ethyl Acetate	7.296	43	84971	20.696	ug/l	98
38) Carbon Tetrachloride	8.096	117	199579	20.081	ug/l	97
39) Methylcyclohexane	9.349	83	193038	16.264	ug/l	98
40) Benzene	8.349	78	635445	20.298	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	40958	19.249	ug/l	91
42) 1,2-Dichloroethane	8.420	62	171316	20.162	ug/l	100
43) Isopropyl Acetate	8.455	43	154125	20.500	ug/l	99
44) Trichloroethene	9.108	130	150315	19.801	ug/l	93
45) 1,2-Dichloropropane	9.385	63	171717	20.870	ug/l	96
46) Dibromomethane	9.473	93	82684	20.590	ug/l	99
47) Bromodichloromethane	9.661	83	223929	21.040	ug/l	95
48) Methyl methacrylate	9.449	41	76722	20.328	ug/l	96
49) 1,4-Dioxane	9.455	88	17116	378.002	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	413259	106.142	ug/l	99
52) Toluene	10.396	92	394855	20.970	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	192176	21.479	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	226689	20.633	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	124489	22.161	ug/l	98
56) Ethyl methacrylate	10.655	69	125364	18.550	ug/l	99
57) 1,3-Dichloropropane	10.943	76	206013	20.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	258455	87.139	ug/l	99
59) 2-Hexanone	10.979	43	272142	104.867	ug/l	99
60) Dibromochloromethane	11.137	129	141600	21.607	ug/l	99
61) 1,2-Dibromoethane	11.243	107	108335	20.786	ug/l	97
64) Tetrachloroethene	10.873	164	127595	21.154	ug/l	96
65) Chlorobenzene	11.667	112	415176	21.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	149886	21.265	ug/l	96
67) Ethyl Benzene	11.737	91	715057	20.464	ug/l	100
68) m/p-Xylenes	11.849	106	554254	41.948	ug/l	99
69) o-Xylene	12.173	106	248560	20.659	ug/l	98
70) Styrene	12.190	104	447309	21.305	ug/l	99
71) Bromoform	12.355	173	73390	21.476	ug/l #	99
73) Isopropylbenzene	12.473	105	675951	20.583	ug/l	100
74) N-amyl acetate	12.279	43	144043	20.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	142200	21.739	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	96556m	21.550	ug/l	
77) Bromobenzene	12.749	156	155564	21.351	ug/l	100
78) n-propylbenzene	12.814	91	879612	21.124	ug/l	100
79) 2-Chlorotoluene	12.902	91	503702	20.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	583261	20.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	34825	20.888	ug/l	99
82) 4-Chlorotoluene	12.996	91	543401	21.153	ug/l	99
83) tert-Butylbenzene	13.214	119	469168	20.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	593680	21.482	ug/l	100
85) sec-Butylbenzene	13.390	105	738378	20.689	ug/l	100
86) p-Isopropyltoluene	13.508	119	621923	21.396	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	324416	21.440	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	320706	21.223	ug/l	100
89) n-Butylbenzene	13.831	91	594762	20.653	ug/l	99
90) Hexachloroethane	14.102	117	118361	20.010	ug/l	98
91) 1,2-Dichlorobenzene	13.878	146	281100	21.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20708	21.254	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	156050	21.514	ug/l	99
94) Hexachlorobutadiene	15.249	225	95223	21.774	ug/l	98
95) Naphthalene	15.384	128	268235	19.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	138693	22.260	ug/l	97

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

