

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069945.D
 Acq On : 02 Aug 2021 09:58
 Operator : VA/SY
 Sample : VD0802SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:49:59 PM

Quant Time: Aug 03 02:53:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	556642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	997496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	947411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	451835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	313110	48.909	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.820%		
35) Dibromofluoromethane	7.914	113	320992	51.047	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.100%		
50) Toluene-d8	10.337	98	1229972	50.727	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.460%		
62) 4-Bromofluorobenzene	12.626	95	422871	52.184	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	118529	20.231	ug/l	97
3) Chloromethane	2.208	50	168332	19.806	ug/l	100
4) Vinyl Chloride	2.350	62	182562	20.423	ug/l	97
5) Bromomethane	2.755	94	123467	22.355	ug/l	98
6) Chloroethane	2.920	64	121202	20.918	ug/l	93
7) Trichlorofluoromethane	3.273	101	223444	20.248	ug/l	97
8) Diethyl Ether	3.714	74	62062	19.994	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	145951	20.825	ug/l	98
10) Methyl Iodide	4.297	142	115607	19.012	ug/l	97
11) Tert butyl alcohol	5.232	59	29519	89.111	ug/l	99
12) 1,1-Dichloroethene	4.067	96	127894	20.081	ug/l	95
13) Acrolein	3.914	56	39906	86.057	ug/l	99
14) Allyl chloride	4.720	41	186329	19.955	ug/l	99
15) Acrylonitrile	5.420	53	150486	103.059	ug/l	98
16) Acetone	4.155	43	114677	99.161	ug/l	96
17) Carbon Disulfide	4.408	76	458639	20.141	ug/l	99
18) Methyl Acetate	4.714	43	67809	20.208	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	258935	19.623	ug/l	100
20) Methylene Chloride	4.961	84	206616	21.003	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	151713	20.216	ug/l	95
22) Diisopropyl ether	6.361	45	427027	21.046	ug/l #	92
23) Vinyl Acetate	6.308	43	958571	99.240	ug/l	97
24) 1,1-Dichloroethane	6.267	63	286175	20.420	ug/l	98
25) 2-Butanone	7.208	43	155639	99.239	ug/l	99
26) 2,2-Dichloropropane	7.208	77	226397	21.245	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	162091	20.242	ug/l	98
28) Bromochloromethane	7.549	49	121530	22.840	ug/l	99
29) Tetrahydrofuran	7.561	42	98902	97.473	ug/l	97
30) Chloroform	7.708	83	288607	20.482	ug/l	95
31) Cyclohexane	7.985	56	247828	19.812	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	237710	20.382	ug/l	99
36) 1,1-Dichloropropene	8.114	75	217255	20.182	ug/l	98
37) Ethyl Acetate	7.291	43	78057	19.918	ug/l	98
38) Carbon Tetrachloride	8.096	117	202390	20.583	ug/l	97
39) Methylcyclohexane	9.355	83	239148	19.398	ug/l	96
40) Benzene	8.349	78	640802	20.548	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34587m	16.818	ug/l	
42) 1,2-Dichloroethane	8.426	62	168482	20.428	ug/l	99
43) Isopropyl Acetate	8.449	43	141038	20.067	ug/l	98
44) Trichloroethene	9.114	130	152002	19.792	ug/l	98
45) 1,2-Dichloropropane	9.385	63	166602	20.338	ug/l	99
46) Dibromomethane	9.473	93	82516	20.493	ug/l	99
47) Bromodichloromethane	9.661	83	210413	20.113	ug/l	98
48) Methyl methacrylate	9.455	41	70965	20.668	ug/l	98
49) 1,4-Dioxane	9.461	88	17089	401.704	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	371776	101.651	ug/l	99
52) Toluene	10.402	92	402507	21.276	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	183733	20.923	ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	223616	21.034	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	115392	20.289	ug/l	99
56) Ethyl methacrylate	10.655	69	120002	19.632	ug/l	97
57) 1,3-Dichloropropane	10.943	76	200978	20.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	284671	105.229	ug/l	99
59) 2-Hexanone	10.979	43	246952	102.080	ug/l	99
60) Dibromochloromethane	11.137	129	133669	20.753	ug/l	99
61) 1,2-Dibromoethane	11.243	107	106056	20.712	ug/l	99
64) Tetrachloroethene	10.873	164	124626	20.636	ug/l	93
65) Chlorobenzene	11.667	112	407672	20.769	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.737	131	145638	20.626	ug/l	100
67) Ethyl Benzene	11.737	91	702487	20.328	ug/l	100
68) m/p-Xylenes	11.849	106	564726	42.155	ug/l	99
69) o-Xylene	12.173	106	246541	20.243	ug/l	100
70) Styrene	12.190	104	439406	20.819	ug/l	99
71) Bromoform	12.355	173	71678	20.903	ug/l #	97
73) Isopropylbenzene	12.473	105	649889	20.018	ug/l	100
74) N-amyl acetate	12.278	43	131543	19.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	129024	19.901	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	92758m	19.314	ug/l	
77) Bromobenzene	12.755	156	147053	20.111	ug/l	98
78) n-propylbenzene	12.814	91	863814	20.716	ug/l	100
79) 2-Chlorotoluene	12.902	91	498306	20.574	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	568180	20.459	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	34780	21.970	ug/l	98
82) 4-Chlorotoluene	12.996	91	535552	21.150	ug/l	99
83) tert-Butylbenzene	13.214	119	442851	19.613	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	572375	20.891	ug/l	99
85) sec-Butylbenzene	13.396	105	735749	20.612	ug/l	99
86) p-Isopropyltoluene	13.508	119	590941	20.378	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	315732	20.567	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	307285	20.083	ug/l	97
89) n-Butylbenzene	13.837	91	569679	19.905	ug/l	100
90) Hexachloroethane	14.102	117	125954	20.504	ug/l	97
91) 1,2-Dichlorobenzene	13.878	146	269477	20.338	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	18298	19.600	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	144877	20.266	ug/l	99
94) Hexachlorobutadiene	15.255	225	87275	19.958	ug/l	98
95) Naphthalene	15.390	128	245338	19.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	123286	19.942	ug/l	97

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

