

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070320.D
 Acq On : 13 Sep 2021 12:10
 Operator : VA/SY
 Sample : VD0913SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0913SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2021 10:45:23 AM

Quant Time: Sep 14 00:51:06 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	7.979	168	373507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	675763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	646744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	314806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218634	45.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.180%		
35) Dibromofluoromethane	7.914	113	223460	46.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.920%		
50) Toluene-d8	10.338	98	860905	49.294	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.626	95	290345	47.569	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	90978	21.858	ug/l	94
3) Chloromethane	2.209	50	119614	21.355	ug/l	98
4) Vinyl Chloride	2.344	62	123996	21.100	ug/l	98
5) Bromomethane	2.750	94	87673	21.613	ug/l	96
6) Chloroethane	2.909	64	81404	20.774	ug/l	100
7) Trichlorofluoromethane	3.267	101	160369	20.632	ug/l	97
8) Diethyl Ether	3.709	74	39918	18.577	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.091	101	101574	21.038	ug/l	100
10) Methyl Iodide	4.297	142	80181	18.019	ug/l	100
11) Tert butyl alcohol	5.197	59	55877	103.044	ug/l #	100
12) 1,1-Dichloroethene	4.061	96	86484	19.889	ug/l	96
13) Acrolein	3.920	56	20510	86.027	ug/l	94
14) Allyl chloride	4.708	41	122524	19.175	ug/l	96
15) Acrylonitrile	5.420	53	96229	93.993	ug/l	98
16) Acetone	4.156	43	84208	98.346	ug/l	95
17) Carbon Disulfide	4.409	76	327736	20.428	ug/l	99
18) Methyl Acetate	4.714	43	46865	19.004	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	174502	18.570	ug/l	96
20) Methylene Chloride	4.961	84	171860	29.187	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	103688	20.031	ug/l	90
22) Diisopropyl ether	6.355	45	273648	20.008	ug/l	94
23) Vinyl Acetate	6.308	43	579082	91.397	ug/l	97
24) 1,1-Dichloroethane	6.261	63	191863	19.827	ug/l	95
25) 2-Butanone	7.208	43	104244	91.459	ug/l	96
26) 2,2-Dichloropropane	7.208	77	164379	21.015	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	108210	19.461	ug/l	96
28) Bromochloromethane	7.538	49	71936	18.735	ug/l	90
29) Tetrahydrofuran	7.561	42	67078	91.678	ug/l	94
30) Chloroform	7.708	83	202014	20.363	ug/l	96
31) Cyclohexane	7.979	56	165787	20.068	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	170796	20.454	ug/l	98
36) 1,1-Dichloropropene	8.108	75	148748	20.594	ug/l	98
37) Ethyl Acetate	7.291	43	52631	19.486	ug/l	96
38) Carbon Tetrachloride	8.091	117	146944	20.570	ug/l	99
39) Methylcyclohexane	9.355	83	156775	19.429	ug/l	95
40) Benzene	8.349	78	438635	20.722	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	28887	20.328	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	112588	19.859	ug/l	97
43) Isopropyl Acetate	8.449	43	93236	18.669	ug/l	98
44) Trichloroethene	9.114	130	104670	20.691	ug/l	93
45) 1,2-Dichloropropane	9.385	63	114236	20.570	ug/l	99
46) Dibromomethane	9.473	93	57994	20.279	ug/l	95
47) Bromodichloromethane	9.661	83	147033	20.153	ug/l	96
48) Methyl methacrylate	9.455	41	40534	17.579	ug/l #	91
49) 1,4-Dioxane	9.461	88	11469	400.412	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	245843	95.132	ug/l	96
52) Toluene	10.402	92	267991	20.954	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	123629	19.699	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	155994	20.424	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	76431	19.428	ug/l	96
56) Ethyl methacrylate	10.655	69	78696	18.324	ug/l	95
57) 1,3-Dichloropropane	10.938	76	131481	19.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	199877	96.562	ug/l	98
59) 2-Hexanone	10.979	43	165873	96.204	ug/l	95
60) Dibromochloromethane	11.132	129	91845	20.061	ug/l	99
61) 1,2-Dibromoethane	11.243	107	73411	20.290	ug/l	93
64) Tetrachloroethene	10.873	164	82170	20.868	ug/l	97
65) Chlorobenzene	11.667	112	274059	20.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	99588	20.295	ug/l	98
67) Ethyl Benzene	11.738	91	463243	20.048	ug/l	97
68) m/p-Xylenes	11.849	106	378260	42.386	ug/l	100
69) o-Xylene	12.173	106	161532	20.204	ug/l	100
70) Styrene	12.185	104	288642	20.667	ug/l	98
71) Bromoform	12.355	173	48453	19.978	ug/l #	97
73) Isopropylbenzene	12.473	105	432709	19.600	ug/l	99
74) N-amyl acetate	12.279	43	88286	18.354	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	88639	18.746	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	59295m	18.621	ug/l	
77) Bromobenzene	12.749	156	98881	19.413	ug/l	99
78) n-propylbenzene	12.814	91	587055	20.488	ug/l	98
79) 2-Chlorotoluene	12.896	91	332433	19.904	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	386948	20.308	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24405	19.203	ug/l	95
82) 4-Chlorotoluene	12.996	91	362898	20.596	ug/l	98
83) tert-Butylbenzene	13.214	119	298247	19.517	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	377119	20.099	ug/l	99
85) sec-Butylbenzene	13.390	105	489776	20.163	ug/l	99
86) p-Isopropyltoluene	13.508	119	391973	20.084	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	211030	19.900	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	207812	19.524	ug/l	99
89) n-Butylbenzene	13.832	91	380907	19.576	ug/l	98
90) Hexachloroethane	14.096	117	86829	19.435	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	180131	19.252	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11322	15.988	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	94115	18.627	ug/l	100
94) Hexachlorobutadiene	15.255	225	58707	18.943	ug/l	97
95) Naphthalene	15.384	128	155430	16.927	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	81517	18.286	ug/l	99

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

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