

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070417.D
 Acq On : 22 Sep 2021 10:43
 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:35:31 AM

Quant Time: Sep 23 05:29:10 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	7.973	168	364161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	636693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	612897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211491	45.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.460%		
35) Dibromofluoromethane	7.908	113	212543	46.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.800%		
50) Toluene-d8	10.332	98	830987	50.501	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.000%		
62) 4-Bromofluorobenzene	12.620	95	271112	47.144	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	81987	19.833	ug/l	98
3) Chloromethane	2.209	50	105491	18.897	ug/l	98
4) Vinyl Chloride	2.344	62	117885	20.575	ug/l	100
5) Bromomethane	2.750	94	76703	18.798	ug/l	98
6) Chloroethane	2.909	64	73603	18.983	ug/l	99
7) Trichlorofluoromethane	3.268	101	151803	20.031	ug/l	95
8) Diethyl Ether	3.709	74	37641	17.967	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	93550	19.873	ug/l	99
10) Methyl Iodide	4.297	142	68623	15.943	ug/l	97
11) Tert butyl alcohol	5.197	59	50323	95.183	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	81217	19.157	ug/l	91
13) Acrolein	3.915	56	15332	65.959	ug/l	96
14) Allyl chloride	4.709	41	108412	17.401	ug/l	99
15) Acrylonitrile	5.420	53	89176	89.340	ug/l	99
16) Acetone	4.156	43	77023	92.264	ug/l	96
17) Carbon Disulfide	4.403	76	286125	18.292	ug/l	100
18) Methyl Acetate	4.720	43	45019	18.701	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	158504	17.300	ug/l	99
20) Methylene Chloride	4.956	84	121263	18.774	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	96162	19.054	ug/l	96
22) Diisopropyl ether	6.356	45	238141	17.859	ug/l	98
23) Vinyl Acetate	6.303	43	500370	81.000	ug/l	98
24) 1,1-Dichloroethane	6.261	63	174353	18.480	ug/l	99
25) 2-Butanone	7.209	43	97662	87.883	ug/l	96
26) 2,2-Dichloropropane	7.203	77	147749	19.374	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	97567	17.997	ug/l	97
28) Bromochloromethane	7.544	49	68456	18.287	ug/l	96
29) Tetrahydrofuran	7.561	42	62352	87.406	ug/l	93
30) Chloroform	7.708	83	180792	18.691	ug/l	98
31) Cyclohexane	7.985	56	146767	18.221	ug/l #	97
32) 1,1,1-Trichloroethane	7.903	97	157842	19.388	ug/l	97
36) 1,1-Dichloropropene	8.108	75	136981	20.128	ug/l	98
37) Ethyl Acetate	7.291	43	45874	18.027	ug/l	99
38) Carbon Tetrachloride	8.091	117	138114	20.520	ug/l	98
39) Methylcyclohexane	9.350	83	139909	18.403	ug/l	96
40) Benzene	8.350	78	396300	19.871	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	26241	19.599	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	105088	19.674	ug/l	98
43) Isopropyl Acetate	8.450	43	84609	17.982	ug/l	98
44) Trichloroethene	9.108	130	96842	20.318	ug/l	100
45) 1,2-Dichloropropane	9.379	63	102009	19.496	ug/l	89
46) Dibromomethane	9.467	93	52812	19.601	ug/l	96
47) Bromodichloromethane	9.655	83	130732	19.019	ug/l	98
48) Methyl methacrylate	9.450	41	40366	18.580	ug/l	93
49) 1,4-Dioxane	9.461	88	10886	403.380	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	225565	92.642	ug/l	98
52) Toluene	10.397	92	245566	20.378	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	112340	18.999	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	135714	18.860	ug/l	100
55) 1,1,2-Trichloroethane	10.791	97	72928	19.675	ug/l	98
56) Ethyl methacrylate	10.655	69	69407	17.153	ug/l	93
57) 1,3-Dichloropropane	10.938	76	121205	19.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	197412	101.224	ug/l	100
59) 2-Hexanone	10.979	43	153773	94.659	ug/l	96
60) Dibromochloromethane	11.132	129	85430	19.805	ug/l	99
61) 1,2-Dibromoethane	11.238	107	66201	19.420	ug/l	100
64) Tetrachloroethene	10.873	164	77950	20.889	ug/l	99
65) Chlorobenzene	11.661	112	251084	19.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	94354	20.290	ug/l	96
67) Ethyl Benzene	11.738	91	420798	19.217	ug/l	100
68) m/p-Xylenes	11.844	106	341530	40.383	ug/l	99
69) o-Xylene	12.173	106	145257	19.172	ug/l	96
70) Styrene	12.191	104	263227	19.888	ug/l	99
71) Bromoform	12.349	173	45444	19.773	ug/l #	99
73) Isopropylbenzene	12.473	105	382375	18.444	ug/l	99
74) N-amyl acetate	12.279	43	78453	17.368	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	85227	19.194	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	54944m	18.375	ug/l	
77) Bromobenzene	12.749	156	93159	19.477	ug/l	95
78) n-propylbenzene	12.808	91	523722	19.464	ug/l	100
79) 2-Chlorotoluene	12.896	91	299644	19.105	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	345835	19.329	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	21924	18.371	ug/l	92
82) 4-Chlorotoluene	12.996	91	319168	19.290	ug/l	98
83) tert-Butylbenzene	13.214	119	270970	18.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	347337	19.714	ug/l	99
85) sec-Butylbenzene	13.391	105	438995	19.246	ug/l	100
86) p-Isopropyltoluene	13.502	119	359395	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	197307	19.814	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	192821	19.291	ug/l	99
89) n-Butylbenzene	13.832	91	335105	18.340	ug/l	99
90) Hexachloroethane	14.096	117	80279	19.136	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	168637	19.194	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11612	17.462	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	89287	18.819	ug/l	98
94) Hexachlorobutadiene	15.249	225	60443	20.769	ug/l	98
95) Naphthalene	15.385	128	153636	17.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	80465	19.222	ug/l	99

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

