

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070399.D
 Acq On : 21 Sep 2021 12:50
 Operator : VA/SY
 Sample : VD0921SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:04:03 AM

Quant Time: Sep 22 01:46:36 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	419985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	758303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	718220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	339417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	265615	49.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.500%
35) Dibromofluoromethane	7.914	113	268692	49.779	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.338	98	1019322	52.012	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.020%
62) 4-Bromofluorobenzene	12.620	95	349877	51.083	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	96559	20.357	ug/l	99
3) Chloromethane	2.209	50	121996	18.961	ug/l	99
4) Vinyl Chloride	2.344	62	129236	19.558	ug/l	98
5) Bromomethane	2.750	94	83677	17.467	ug/l	99
6) Chloroethane	2.915	64	82208	18.261	ug/l	99
7) Trichlorofluoromethane	3.273	101	173197	19.816	ug/l	92
8) Diethyl Ether	3.709	74	47071	19.482	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	106937	19.697	ug/l	99
10) Methyl Iodide	4.297	142	90072	18.003	ug/l	98
11) Tert butyl alcohol	5.179	59	64009m	104.977	ug/l	
12) 1,1-Dichloroethene	4.062	96	93435	19.109	ug/l	96
13) Acrolein	3.926	56	19494	72.717	ug/l	94
14) Allyl chloride	4.715	41	136413	18.986	ug/l	97
15) Acrylonitrile	5.420	53	110351	95.859	ug/l	99
16) Acetone	4.162	43	86721	90.073	ug/l	95
17) Carbon Disulfide	4.409	76	333172	18.468	ug/l	98
18) Methyl Acetate	4.720	43	53465	19.304	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	201962	19.113	ug/l	96
20) Methylene Chloride	4.956	84	151489	21.044	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	111786	19.206	ug/l	98
22) Diisopropyl ether	6.367	45	301287	19.591	ug/l	97
23) Vinyl Acetate	6.309	43	653849	91.777	ug/l	96
24) 1,1-Dichloroethane	6.261	63	207121	19.035	ug/l	96
25) 2-Butanone	7.208	43	117662	91.807	ug/l	100
26) 2,2-Dichloropropane	7.203	77	170907	19.432	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	119631	19.134	ug/l	97
28) Bromochloromethane	7.544	49	76916	17.815	ug/l	95
29) Tetrahydrofuran	7.561	42	72146	87.692	ug/l	99
30) Chloroform	7.708	83	213014	19.095	ug/l	99
31) Cyclohexane	7.985	56	174147	18.747	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	177375	18.891	ug/l	98
36) 1,1-Dichloropropene	8.108	75	157472	19.428	ug/l	98
37) Ethyl Acetate	7.291	43	59637	19.677	ug/l	99
38) Carbon Tetrachloride	8.091	117	154851	19.317	ug/l	99
39) Methylcyclohexane	9.350	83	170642	18.845	ug/l	97
40) Benzene	8.350	78	471533	19.852	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	31841m	19.967	ug/l	
42) 1,2-Dichloroethane	8.420	62	122129	19.197	ug/l	98
43) Isopropyl Acetate	8.450	43	106910	19.077	ug/l	96
44) Trichloroethene	9.108	130	112181	19.762	ug/l	89
45) 1,2-Dichloropropane	9.385	63	118327	18.988	ug/l	97
46) Dibromomethane	9.467	93	60997	19.008	ug/l	98
47) Bromodichloromethane	9.655	83	156066	19.063	ug/l	96
48) Methyl methacrylate	9.455	41	48427	18.716	ug/l	99
49) 1,4-Dioxane	9.461	88	13230	411.617	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	267412	92.215	ug/l	96
52) Toluene	10.397	92	288208	20.081	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	141721	20.124	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	166528	19.430	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	85444	19.355	ug/l	98
56) Ethyl methacrylate	10.655	69	90410	18.760	ug/l	95
57) 1,3-Dichloropropane	10.938	76	143125	19.043	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	236198	101.688	ug/l	99
59) 2-Hexanone	10.979	43	177590	91.788	ug/l	96
60) Dibromochloromethane	11.138	129	100629	19.587	ug/l	98
61) 1,2-Dibromoethane	11.238	107	81619	20.104	ug/l	94
64) Tetrachloroethene	10.867	164	86739	19.836	ug/l	95
65) Chlorobenzene	11.661	112	294225	19.775	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	109193	20.038	ug/l	96
67) Ethyl Benzene	11.738	91	505974	19.718	ug/l	100
68) m/p-Xylenes	11.849	106	403533	40.718	ug/l	98
69) o-Xylene	12.173	106	176946	19.930	ug/l	97
70) Styrene	12.185	104	319504	20.600	ug/l	99
71) Bromoform	12.355	173	52096	19.343	ug/l #	99
73) Isopropylbenzene	12.473	105	468113	19.666	ug/l	100
74) N-amyl acetate	12.279	43	95266	18.369	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	97484	19.122	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	62387m	18.171	ug/l	
77) Bromobenzene	12.755	156	107265	19.532	ug/l	97
78) n-propylbenzene	12.808	91	614984	19.906	ug/l	99
79) 2-Chlorotoluene	12.896	91	354060	19.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	413169	20.112	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	26999	19.704	ug/l	98
82) 4-Chlorotoluene	12.996	91	380263	20.017	ug/l	100
83) tert-Butylbenzene	13.214	119	331747	20.135	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	409887	20.262	ug/l	99
85) sec-Butylbenzene	13.391	105	519382	19.832	ug/l	98
86) p-Isopropyltoluene	13.502	119	421036	20.009	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	225094	19.687	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	224374	19.551	ug/l	99
89) n-Butylbenzene	13.832	91	397242	18.935	ug/l	99
90) Hexachloroethane	14.096	117	92072	19.115	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	193909	19.222	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	15250	19.973	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	100077	18.371	ug/l	100
94) Hexachlorobutadiene	15.249	225	64269	19.234	ug/l	97
95) Naphthalene	15.385	128	178029	17.982	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	89377	18.595	ug/l	99

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

