

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069801.D
 Acq On : 22 Jul 2021 10:13
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:15:14 PM

Quant Time: Jul 23 04:27:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:26:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	561956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1039947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	992010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	448214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	34847	5.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.780%#
35) Dibromofluoromethane	7.908	113	31811	4.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.700%#
50) Toluene-d8	10.338	98	120624	4.772	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.540%#
62) 4-Bromofluorobenzene	12.626	95	38479	4.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.100%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	33197	5.612	ug/l	97
3) Chloromethane	2.209	50	50139	5.844	ug/l	96
4) Vinyl Chloride	2.350	62	49547	5.490	ug/l	95
5) Bromomethane	2.762	94	38353	6.488	ug/l	96
6) Chloroethane	2.920	64	31508	5.387	ug/l	95
7) Trichlorofluoromethane	3.273	101	63683	5.716	ug/l	96
8) Diethyl Ether	3.715	74	14783	4.717	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.097	101	39498	5.582	ug/l #	73
10) Methyl Iodide	4.303	142	24265	3.925	ug/l	98
11) Tert butyl alcohol	5.220	59	9348m	27.983	ug/l	
12) 1,1-Dichloroethene	4.067	96	34128	5.308	ug/l	91
13) Acrolein	3.932	56	11206	23.937	ug/l	97
14) Allyl chloride	4.709	41	45019	4.776	ug/l	99
15) Acrylonitrile	5.420	53	34503	23.406	ug/l	98
16) Acetone	4.162	43	34223	29.313	ug/l	96
17) Carbon Disulfide	4.403	76	122531	5.330	ug/l	98
18) Methyl Acetate	4.720	43	19765	5.835	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	59014	4.430	ug/l	98
20) Methylene Chloride	4.961	84	85150	8.008	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	38782	5.119	ug/l	95
22) Diisopropyl ether	6.361	45	86159	4.206	ug/l	96
23) Vinyl Acetate	6.308	43	177190m	18.052	ug/l	
24) 1,1-Dichloroethane	6.267	63	76341	5.396	ug/l	99
25) 2-Butanone	7.208	43	36053	22.771	ug/l	95
26) 2,2-Dichloropropane	7.208	77	56968	5.295	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	38106	4.714	ug/l	97
28) Bromochloromethane	7.550	49	24145	4.495	ug/l	99
29) Tetrahydrofuran	7.573	42	21208	20.704	ug/l	96
30) Chloroform	7.703	83	79371	5.580	ug/l	97
31) Cyclohexane	7.985	56	69240	5.483	ug/l #	87
32) 1,1,1-Trichloroethane	7.897	97	62619	5.318	ug/l	97
36) 1,1-Dichloropropene	8.114	75	56557	5.040	ug/l	98
37) Ethyl Acetate	7.297	43	19851	4.859	ug/l	98
38) Carbon Tetrachloride	8.091	117	52204	5.092	ug/l	96
39) Methylcyclohexane	9.350	83	55660	4.330	ug/l	89
40) Benzene	8.350	78	161966	4.982	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	9918m	4.866	ug/l	
42) 1,2-Dichloroethane	8.420	62	44392	5.163	ug/l	97
43) Isopropyl Acetate	8.450	43	33215	4.533	ug/l	97
44) Trichloroethene	9.108	130	42517	5.310	ug/l	93
45) 1,2-Dichloropropane	9.385	63	43058	5.042	ug/l	93
46) Dibromomethane	9.473	93	21036	5.011	ug/l	98
47) Bromodichloromethane	9.655	83	54787	5.023	ug/l	99
48) Methyl methacrylate	9.455	41	13687	3.883	ug/l	90
49) 1,4-Dioxane	9.467	88	4290	96.727	ug/l #	87
51) 4-Methyl-2-Pentanone	10.226	43	77871	20.422	ug/l	97
52) Toluene	10.397	92	91818	4.655	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	43182	4.717	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	51046	4.606	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	31440	5.302	ug/l	90
56) Ethyl methacrylate	10.661	69	24787	3.818	ug/l	95
57) 1,3-Dichloropropane	10.944	76	48734	4.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	51621	18.562	ug/l	98
59) 2-Hexanone	10.985	43	49037	19.442	ug/l	95
60) Dibromochloromethane	11.132	129	34179	5.090	ug/l	98
61) 1,2-Dibromoethane	11.238	107	26032	4.876	ug/l	92
64) Tetrachloroethene	10.873	164	33467	5.292	ug/l	96
65) Chlorobenzene	11.667	112	105695	5.143	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	37510	5.073	ug/l	95
67) Ethyl Benzene	11.738	91	161991	4.477	ug/l	99
68) m/p-Xylenes	11.849	106	121926	8.692	ug/l	98
69) o-Xylene	12.173	106	54057	4.239	ug/l	98
70) Styrene	12.185	104	88955	4.025	ug/l	98
71) Bromoform	12.355	173	18060	5.030	ug/l #	93
73) Isopropylbenzene	12.473	105	139642	4.336	ug/l	100
74) N-amyl acetate	12.279	43	27507	4.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	32856	5.109	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	25989m	7.427	ug/l	
77) Bromobenzene	12.755	156	35826	4.939	ug/l	95
78) n-propylbenzene	12.808	91	180981	4.375	ug/l	98
79) 2-Chlorotoluene	12.896	91	107636	4.480	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	114535	4.157	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	6241	3.974	ug/l	93
82) 4-Chlorotoluene	12.996	91	113930	4.536	ug/l	100
83) tert-Butylbenzene	13.214	119	96888	4.326	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	110718	4.074	ug/l	100
85) sec-Butylbenzene	13.390	105	151646	4.283	ug/l	97
86) p-Isopropyltoluene	13.508	119	120921	4.203	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	77181	5.068	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	79636	5.247	ug/l	96
89) n-Butylbenzene	13.832	91	126000	4.438	ug/l	96
90) Hexachloroethane	14.102	117	31870	5.230	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	65757	5.003	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	4880	5.269	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	31299	4.414	ug/l	97
94) Hexachlorobutadiene	15.255	225	22000	5.072	ug/l	96
95) Naphthalene	15.390	128	48772	3.853	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	27240	4.442	ug/l	99

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

