

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011221\
 Data File : VD068053.D
 Acq On : 12 Jan 2021 13:10
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:37:52 PM

Quant Time: Jan 13 03:35:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:34:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	487555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	766184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	714026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	345898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	46648	9.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.18%#		
35) Dibromofluoromethane	7.920	113	47712	9.97	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.94%#		
50) Toluene-d8	10.344	98	178361	9.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.92%#		
62) 4-Bromofluorobenzene	12.638	95	62348	10.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.26%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	40231	8.18	ug/l	99
3) Chloromethane	2.215	50	40359	6.29	ug/l	94
4) Vinyl Chloride	2.350	62	43119	7.08	ug/l	96
5) Bromomethane	2.767	94	37654	8.49	ug/l	90
6) Chloroethane	2.932	64	27295	7.28	ug/l	98
7) Trichlorofluoromethane	3.279	101	88841	9.55	ug/l	93
8) Diethyl Ether	3.714	74	20921	8.11	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.103	101	48850	8.92	ug/l	98
10) Methyl Iodide	4.303	142	41864	8.68	ug/l	97
11) Tert butyl alcohol	5.220	59	18450	41.57	ug/l #	87
12) 1,1-Dichloroethene	4.073	96	46056	8.83	ug/l	91
13) Acrolein	3.926	56	16178	43.81	ug/l	99
14) Allyl chloride	4.720	41	51846	5.88	ug/l	98
15) Acrylonitrile	5.420	53	38301	31.41	ug/l	98
16) Acetone	4.156	43	33571	34.47	ug/l #	89
17) Carbon Disulfide	4.414	76	133949	7.55	ug/l	96
18) Methyl Acetate	4.720	43	16336	5.83	ug/l #	67
19) Methyl tert-butyl Ether	5.485	73	86903	7.99	ug/l	98
20) Methylene Chloride	4.973	84	81042	10.04	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	51364	8.33	ug/l	94
22) Diisopropyl ether	6.373	45	102590	5.79	ug/l	94
23) Vinyl Acetate	6.308	43	253775	28.08	ug/l #	91
24) 1,1-Dichloroethane	6.267	63	81101	7.35	ug/l	96
25) 2-Butanone	7.220	43	41337	29.54	ug/l	93
26) 2,2-Dichloropropane	7.214	77	79294	8.84	ug/l	98
27) cis-1,2-Dichloroethene	7.220	96	55980	8.46	ug/l	98
28) Bromochloromethane	7.555	49	30221	7.49	ug/l	97
29) Tetrahydrofuran	7.561	42	25560	27.20	ug/l	96
30) Chloroform	7.714	83	91375	8.33	ug/l	97
31) Cyclohexane	7.985	56	73335	7.15	ug/l #	85
32) 1,1,1-Trichloroethane	7.908	97	88630	9.23	ug/l	98
36) 1,1-Dichloropropene	8.114	75	68858	8.66	ug/l	98
37) Ethyl Acetate	7.291	43	20872	6.70	ug/l	96
38) Carbon Tetrachloride	8.102	117	83911	10.58	ug/l	92
39) Methylcyclohexane	9.355	83	81822	8.81	ug/l	94
40) Benzene	8.355	78	194073	8.44	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	12389m	6.99	ug/l	
42) 1,2-Dichloroethane	8.426	62	55244	8.79	ug/l	99
43) Isopropyl Acetate	8.450	43	37552	6.52	ug/l	95
44) Trichloroethene	9.114	130	59542	10.00	ug/l	96
45) 1,2-Dichloropropane	9.391	63	44351	7.66	ug/l	93
46) Dibromomethane	9.479	93	25252	8.70	ug/l	97
47) Bromodichloromethane	9.667	83	69703	8.97	ug/l	98
48) Methyl methacrylate	9.455	41	17220	5.77	ug/l #	83
49) 1,4-Dioxane	9.467	88	5361	168.47	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	94993	31.97	ug/l	98
52) Toluene	10.408	92	128892	8.96	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	58597	8.32	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	72280	8.35	ug/l	98
55) 1,1,2-Trichloroethane	10.808	97	38626	9.54	ug/l	96
56) Ethyl methacrylate	10.661	69	33476	7.42	ug/l	96
57) 1,3-Dichloropropane	10.949	76	57994	8.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	95179	42.76	ug/l	97
59) 2-Hexanone	10.991	43	64950	33.08	ug/l	97
60) Dibromochloromethane	11.143	129	51263	10.07	ug/l	99
61) 1,2-Dibromoethane	11.249	107	36149	9.27	ug/l	97
64) Tetrachloroethene	10.879	164	52084	10.27	ug/l #	84
65) Chlorobenzene	11.673	112	142775	9.29	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.743	131	56247	10.16	ug/l	98
67) Ethyl Benzene	11.749	91	241380	8.86	ug/l	100
68) m/p-Xylenes	11.855	106	189141	18.18	ug/l	100
69) o-Xylene	12.185	106	85028	9.16	ug/l	90
70) Styrene	12.196	104	145913	9.06	ug/l	99
71) Bromoform	12.367	173	28978	10.30	ug/l #	99
73) Isopropylbenzene	12.485	105	227368	8.81	ug/l	98
74) N-amyl acetate	12.290	43	36414	6.55	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.738	83	37651	8.03	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	28547m	9.92	ug/l	
77) Bromobenzene	12.761	156	57060	9.64	ug/l	99
78) n-propylbenzene	12.820	91	272132	8.59	ug/l	99
79) 2-Chlorotoluene	12.908	91	156788	8.76	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	203495	9.47	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	12560	8.89	ug/l	96
82) 4-Chlorotoluene	13.002	91	170150	9.04	ug/l	99
83) tert-Butylbenzene	13.226	119	165318	9.31	ug/l	99
84) 1,2,4-Trimethylbenzene	13.273	105	196112	9.14	ug/l	99
85) sec-Butylbenzene	13.402	105	234027	9.08	ug/l	100
86) p-Isopropyltoluene	13.514	119	214992	9.42	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	112812	9.61	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	115753	9.98	ug/l	97
89) n-Butylbenzene	13.843	91	193443	8.67	ug/l	99
90) Hexachloroethane	14.114	117	43229	9.32	ug/l	98
91) 1,2-Dichlorobenzene	13.890	146	96374	9.70	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	6068	8.16	ug/l	92
93) 1,2,4-Trichlorobenzene	15.161	180	62239	10.23	ug/l	97
94) Hexachlorobutadiene	15.267	225	40376	11.15	ug/l	97
95) Naphthalene	15.402	128	95515	8.98	ug/l	97
96) 1,2,3-Trichlorobenzene	15.596	180	53258	10.15	ug/l	99

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

