

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069494.D
 Acq On : 21 Jun 2021 11:13
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/22/2021 6:12:07 PM

Quant Time: Jun 22 04:04:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:03:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	562690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	955728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	914071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	425122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135812	19.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.640%#		
35) Dibromofluoromethane	7.914	113	131777	20.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.820%#		
50) Toluene-d8	10.338	98	491584	20.381	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.760%#		
62) 4-Bromofluorobenzene	12.626	95	156166	19.774	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	98886	18.471	ug/l	98
3) Chloromethane	2.209	50	142414	18.257	ug/l	96
4) Vinyl Chloride	2.350	62	162125	18.442	ug/l	99
5) Bromomethane	2.750	94	103449	18.153	ug/l	94
6) Chloroethane	2.915	64	108128	18.579	ug/l	99
7) Trichlorofluoromethane	3.268	101	194151	18.582	ug/l	93
8) Diethyl Ether	3.715	74	50461	18.331	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	121723	19.156	ug/l	99
10) Methyl Iodide	4.297	142	79615	15.961	ug/l	95
11) Tert butyl alcohol	5.203	59	50738	105.803	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	100012	17.752	ug/l	98
13) Acrolein	3.920	56	33389	87.037	ug/l	99
14) Allyl chloride	4.715	41	139309	18.052	ug/l	98
15) Acrylonitrile	5.420	53	112599	97.494	ug/l	97
16) Acetone	4.156	43	105831	89.375	ug/l	95
17) Carbon Disulfide	4.409	76	321764	17.477	ug/l	100
18) Methyl Acetate	4.720	43	66633	20.471	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	197072	18.346	ug/l	99
20) Methylene Chloride	4.967	84	170498	17.816	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	124011	18.668	ug/l	86
22) Diisopropyl ether	6.361	45	300140	19.227	ug/l	97
23) Vinyl Acetate	6.303	43	746992	87.664	ug/l	98
24) 1,1-Dichloroethane	6.267	63	231424	18.715	ug/l	99
25) 2-Butanone	7.214	43	138846	94.452	ug/l	96
26) 2,2-Dichloropropane	7.208	77	190971	18.977	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	135351	18.664	ug/l	100
28) Bromochloromethane	7.544	49	89610	18.360	ug/l	100
29) Tetrahydrofuran	7.561	42	76426	94.432	ug/l	99
30) Chloroform	7.708	83	247835	19.031	ug/l	96
31) Cyclohexane	7.985	56	166631	17.747	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	206835	19.131	ug/l	99
36) 1,1-Dichloropropene	8.114	75	177765	18.917	ug/l	99
37) Ethyl Acetate	7.297	43	64920	19.017	ug/l	98
38) Carbon Tetrachloride	8.097	117	173859	18.699	ug/l	92
39) Methylcyclohexane	9.355	83	163909	17.499	ug/l	98
40) Benzene	8.350	78	514782	19.183	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	35307	18.369	ug/l	93
42) 1,2-Dichloroethane	8.426	62	149595	19.284	ug/l	99
43) Isopropyl Acetate	8.450	43	122227	19.565	ug/l	95
44) Trichloroethene	9.108	130	131091	19.299	ug/l	95
45) 1,2-Dichloropropane	9.385	63	133750	19.421	ug/l	97
46) Dibromomethane	9.473	93	72663	20.019	ug/l	97
47) Bromodichloromethane	9.661	83	191296	19.667	ug/l	95
48) Methyl methacrylate	9.455	41	60951	20.459	ug/l	94
49) 1,4-Dioxane	9.461	88	14064	397.190	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	321378	97.465	ug/l	98
52) Toluene	10.402	92	324415	19.571	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	159744	19.131	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	193877	19.263	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	100582	19.919	ug/l	97
56) Ethyl methacrylate	10.655	69	99511	18.554	ug/l	98
57) 1,3-Dichloropropane	10.944	76	168664	19.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	275340	95.992	ug/l	100
59) 2-Hexanone	10.979	43	214245	96.705	ug/l	97
60) Dibromochloromethane	11.138	129	117689	19.706	ug/l	98
61) 1,2-Dibromoethane	11.244	107	94054	19.833	ug/l	100
64) Tetrachloroethene	10.873	164	108489	18.731	ug/l	95
65) Chlorobenzene	11.667	112	335463	18.601	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	125209	19.095	ug/l	97
67) Ethyl Benzene	11.738	91	585751	18.558	ug/l	99
68) m/p-Xylenes	11.849	106	454918	38.094	ug/l	97
69) o-Xylene	12.173	106	196814	18.464	ug/l	97
70) Styrene	12.191	104	355170	18.851	ug/l	99
71) Bromoform	12.349	173	63699	19.153	ug/l #	100
73) Isopropylbenzene	12.473	105	534877	18.404	ug/l	100
74) N-amyl acetate	12.285	43	105621	18.040	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	114834	19.721	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	79331m	21.135	ug/l	
77) Bromobenzene	12.755	156	127776	19.162	ug/l	98
78) n-propylbenzene	12.814	91	692883	18.945	ug/l	99
79) 2-Chlorotoluene	12.902	91	396226	18.982	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	462146	18.869	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	31284	19.293	ug/l	100
82) 4-Chlorotoluene	12.996	91	431409	19.193	ug/l	100
83) tert-Butylbenzene	13.214	119	368338	18.338	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	462184	18.991	ug/l	100
85) sec-Butylbenzene	13.391	105	583441	18.922	ug/l	100
86) p-Isopropyltoluene	13.508	119	478295	18.520	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	257074	18.969	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	253720	18.761	ug/l	97
89) n-Butylbenzene	13.832	91	473092	18.293	ug/l	99
90) Hexachloroethane	14.102	117	95967	19.008	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	227078	19.293	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	17491	19.943	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	122545	18.825	ug/l	99
94) Hexachlorobutadiene	15.255	225	75061	18.273	ug/l	97
95) Naphthalene	15.390	128	205639	17.670	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	107512	18.655	ug/l	99

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

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