

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069803.D
 Acq On : 22 Jul 2021 11:09
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:15:18 PM

Quant Time: Jul 23 04:28:36 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	7.979	168	576294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1023039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	978811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	466302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138283	20.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.720%#
35) Dibromofluoromethane	7.909	113	137436	21.310	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.620%#
50) Toluene-d8	10.338	98	519753	20.901	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	41.800%#
62) 4-Bromofluorobenzene	12.626	95	174217	20.962	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	41.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	129779	21.395	ug/l	96
3) Chloromethane	2.209	50	183909	20.901	ug/l	98
4) Vinyl Chloride	2.344	62	190713	20.607	ug/l	92
5) Bromomethane	2.750	94	115520	19.057	ug/l	100
6) Chloroethane	2.909	64	124771	20.800	ug/l #	86
7) Trichlorofluoromethane	3.268	101	230238	20.152	ug/l	95
8) Diethyl Ether	3.709	74	63077	19.628	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	148905	20.522	ug/l	99
10) Methyl Iodide	4.297	142	116648	18.400	ug/l	99
11) Tert butyl alcohol	5.226	59	34139m	99.651	ug/l	
12) 1,1-Dichloroethene	4.062	96	130347	19.769	ug/l	99
13) Acrolein	3.921	56	50277	104.725	ug/l	96
14) Allyl chloride	4.715	41	185069	19.144	ug/l	100
15) Acrylonitrile	5.426	53	151925	100.497	ug/l	97
16) Acetone	4.162	43	114728	95.822	ug/l	90
17) Carbon Disulfide	4.403	76	485565	20.596	ug/l	98
18) Methyl Acetate	4.715	43	71045	20.451	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	262667	19.227	ug/l	98
20) Methylene Chloride	4.962	84	212897	19.523	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	156630	20.159	ug/l	97
22) Diisopropyl ether	6.367	45	434026	20.661	ug/l	98
23) Vinyl Acetate	6.303	43	953612	94.738	ug/l	96
24) 1,1-Dichloroethane	6.262	63	291532	20.093	ug/l	99
25) 2-Butanone	7.215	43	160121	98.615	ug/l	98
26) 2,2-Dichloropropane	7.203	77	212282	19.241	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	166071	20.031	ug/l	97
28) Bromochloromethane	7.544	49	122418	22.222	ug/l	96
29) Tetrahydrofuran	7.562	42	102067	97.163	ug/l	97
30) Chloroform	7.709	83	294976	20.221	ug/l	97
31) Cyclohexane	7.985	56	252180	19.473	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	242700	20.100	ug/l	99
36) 1,1-Dichloropropene	8.109	75	225118	20.391	ug/l	99
37) Ethyl Acetate	7.285	43	78137	19.441	ug/l	97
38) Carbon Tetrachloride	8.097	117	200140	19.846	ug/l	99
39) Methylcyclohexane	9.350	83	243983	19.296	ug/l	96
40) Benzene	8.350	78	647843	20.255	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	46537	23.207	ug/l	89
42) 1,2-Dichloroethane	8.420	62	173560	20.518	ug/l	100
43) Isopropyl Acetate	8.450	43	140823	19.536	ug/l	97
44) Trichloroethene	9.109	130	158370	20.106	ug/l	99
45) 1,2-Dichloropropane	9.385	63	172266	20.505	ug/l	99
46) Dibromomethane	9.473	93	85522	20.709	ug/l	97
47) Bromodichloromethane	9.656	83	219119	20.422	ug/l	100
48) Methyl methacrylate	9.456	41	70171	20.235	ug/l	100
49) 1,4-Dioxane	9.461	88	17184	393.851	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	377388	100.609	ug/l	98
52) Toluene	10.397	92	391213	20.163	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	180404	20.031	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	215279	19.744	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	118735	20.356	ug/l	99
56) Ethyl methacrylate	10.656	69	122939	19.250	ug/l	94
57) 1,3-Dichloropropane	10.944	76	198701	20.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	254924	93.183	ug/l	99
59) 2-Hexanone	10.979	43	246589	99.385	ug/l	97
60) Dibromochloromethane	11.132	129	133797	20.254	ug/l	97
61) 1,2-Dibromoethane	11.244	107	109248	20.802	ug/l	100
64) Tetrachloroethene	10.873	164	124555	19.963	ug/l	93
65) Chlorobenzene	11.667	112	407584	20.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	147529	20.223	ug/l	97
67) Ethyl Benzene	11.738	91	704152	19.723	ug/l	100
68) m/p-Xylenes	11.850	106	566858	40.957	ug/l	100
69) o-Xylene	12.173	106	251055	19.953	ug/l	98
70) Styrene	12.191	104	450574	20.663	ug/l	98
71) Bromoform	12.355	173	72276	20.401	ug/l #	100
73) Isopropylbenzene	12.473	105	652486	19.475	ug/l	99
74) N-amyl acetate	12.279	43	129397	18.776	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	134929	20.166	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	92401m	25.381	ug/l	
77) Bromobenzene	12.755	156	148324	19.656	ug/l	98
78) n-propylbenzene	12.814	91	853656	19.838	ug/l	99
79) 2-Chlorotoluene	12.897	91	499191	19.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	571907	19.954	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	31710	19.409	ug/l	97
82) 4-Chlorotoluene	12.997	91	529600	20.266	ug/l	100
83) tert-Butylbenzene	13.214	119	446523	19.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	563128	19.916	ug/l	100
85) sec-Butylbenzene	13.391	105	726837	19.731	ug/l	99
86) p-Isopropyltoluene	13.508	119	586747	19.605	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	314020	19.821	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	312258	19.775	ug/l	99
89) n-Butylbenzene	13.832	91	561366	19.006	ug/l	99
90) Hexachloroethane	14.102	117	124864	19.696	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	271903	19.885	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	19064	19.787	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	140536	19.049	ug/l	98
94) Hexachlorobutadiene	15.255	225	87107	19.301	ug/l	99
95) Naphthalene	15.385	128	238072	18.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	124011	19.437	ug/l	98

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

