

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069665.D
 Acq On : 13 Jul 2021 12:06
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:13 PM

Quant Time: Jul 14 05:38:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 05:37:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	617779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1113042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1052450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	477731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153777	20.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.100%#
35) Dibromofluoromethane	7.914	113	151321	20.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.860%#
50) Toluene-d8	10.338	98	582756	20.270	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.540%#
62) 4-Bromofluorobenzene	12.626	95	192163	19.832	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.660%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	88033	14.245	ug/l	99
3) Chloromethane	2.209	50	139143	15.979	ug/l	96
4) Vinyl Chloride	2.344	62	154428	16.438	ug/l	99
5) Bromomethane	2.750	94	104833	16.740	ug/l	100
6) Chloroethane	2.909	64	106673	17.455	ug/l	100
7) Trichlorofluoromethane	3.268	101	209928	17.478	ug/l	93
8) Diethyl Ether	3.709	74	59351	16.943	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	134482	18.087	ug/l	99
10) Methyl Iodide	4.297	142	105253	15.241	ug/l	99
11) Tert butyl alcohol	5.179	59	96224m	101.105	ug/l	
12) 1,1-Dichloroethene	4.067	96	112810	16.441	ug/l	98
13) Acrolein	3.926	56	55400	102.267	ug/l	100
14) Allyl chloride	4.715	41	183887	17.345	ug/l	98
15) Acrylonitrile	5.420	53	131037	82.575	ug/l	97
16) Acetone	4.162	43	120957	83.772	ug/l	99
17) Carbon Disulfide	4.403	76	338425	14.683	ug/l	100
18) Methyl Acetate	4.715	43	101195	23.414	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	235975	16.288	ug/l	98
20) Methylene Chloride	4.967	84	225390	17.384	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	140994	17.643	ug/l	98
22) Diisopropyl ether	6.367	45	376770	17.339	ug/l	99
23) Vinyl Acetate	6.303	43	805070	75.530	ug/l	99
24) 1,1-Dichloroethane	6.256	63	277441	18.366	ug/l	98
25) 2-Butanone	7.214	43	164598	87.911	ug/l	97
26) 2,2-Dichloropropane	7.208	77	224829	18.474	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	155134	17.887	ug/l	97
28) Bromochloromethane	7.550	49	103443	17.787	ug/l	99
29) Tetrahydrofuran	7.561	42	89919	78.170	ug/l	97
30) Chloroform	7.708	83	286296	18.978	ug/l	98
31) Cyclohexane	7.985	56	193288	14.896	ug/l #	91
32) 1,1,1-Trichloroethane	7.897	97	235911	18.506	ug/l	99
36) 1,1-Dichloropropene	8.108	75	203553	17.634	ug/l	99
37) Ethyl Acetate	7.291	43	79044	17.881	ug/l	97
38) Carbon Tetrachloride	8.097	117	190026	18.011	ug/l	95
39) Methylcyclohexane	9.355	83	188975	15.246	ug/l	98
40) Benzene	8.350	78	606999	18.213	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	38463	17.518	ug/l	98
42) 1,2-Dichloroethane	8.426	62	165638	18.554	ug/l	100
43) Isopropyl Acetate	8.450	43	144615	17.868	ug/l	98
44) Trichloroethene	9.114	130	149247	18.501	ug/l	98
45) 1,2-Dichloropropane	9.385	63	164536	18.965	ug/l	98
46) Dibromomethane	9.473	93	79122	18.359	ug/l	98
47) Bromodichloromethane	9.661	83	216035	19.142	ug/l	100
48) Methyl methacrylate	9.450	41	64415	16.993	ug/l #	85
49) 1,4-Dioxane	9.461	88	15598	351.122	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	383692	91.331	ug/l	99
52) Toluene	10.402	92	368592	18.413	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	176627	18.511	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	217913	18.704	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	112885	18.893	ug/l	98
56) Ethyl methacrylate	10.655	69	118001	17.163	ug/l	97
57) 1,3-Dichloropropane	10.944	76	194350	18.449	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	286475	93.094	ug/l	100
59) 2-Hexanone	10.979	43	251441	89.689	ug/l	97
60) Dibromochloromethane	11.138	129	132679	18.875	ug/l	99
61) 1,2-Dibromoethane	11.238	107	103055	18.465	ug/l	100
64) Tetrachloroethene	10.873	164	121452	18.863	ug/l	94
65) Chlorobenzene	11.667	112	399970	18.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	143705	18.804	ug/l	99
67) Ethyl Benzene	11.738	91	684881	18.250	ug/l	100
68) m/p-Xylenes	11.849	106	532694	37.551	ug/l	99
69) o-Xylene	12.173	106	230591	17.880	ug/l	96
70) Styrene	12.191	104	422475	18.677	ug/l	100
71) Bromoform	12.355	173	69863	18.786	ug/l #	99
73) Isopropylbenzene	12.473	105	640574	18.828	ug/l	99
74) N-amyl acetate	12.279	43	131719	17.682	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	128102	18.623	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	89514m	20.620	ug/l	
77) Bromobenzene	12.749	156	142683	18.777	ug/l	97
78) n-propylbenzene	12.814	91	827147	19.055	ug/l	99
79) 2-Chlorotoluene	12.896	91	481193	18.860	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	557716	19.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	33260	19.016	ug/l	99
82) 4-Chlorotoluene	12.996	91	511422	19.071	ug/l	100
83) tert-Butylbenzene	13.214	119	440032	18.592	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	556177	19.368	ug/l	99
85) sec-Butylbenzene	13.391	105	699751	18.833	ug/l	100
86) p-Isopropyltoluene	13.508	119	585268	19.309	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	298515	18.970	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	299159	18.899	ug/l	99
89) n-Butylbenzene	13.832	91	561670	18.708	ug/l	99
90) Hexachloroethane	14.102	117	112146	18.072	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	257989	18.892	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	18313	17.412	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	143860	18.886	ug/l	97
94) Hexachlorobutadiene	15.249	225	87679	19.285	ug/l	99
95) Naphthalene	15.385	128	232336	16.892	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	120593	18.506	ug/l	100

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

