

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070043.D
 Acq On : 13 Aug 2021 11:36
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:52 PM

Quant Time: Aug 14 02:13:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:11:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	564768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1015220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	959450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	453736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	129182	19.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.900%#		
35) Dibromofluoromethane	7.909	113	129211	19.700	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.400%#		
50) Toluene-d8	10.338	98	499801	19.592	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.180%#		
62) 4-Bromofluorobenzene	12.626	95	165177	19.658	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	154503	23.902	ug/l	99
3) Chloromethane	2.209	50	198264	22.348	ug/l	99
4) Vinyl Chloride	2.344	62	209345	21.902	ug/l	99
5) Bromomethane	2.744	94	125887	20.931	ug/l	93
6) Chloroethane	2.909	64	129742	21.248	ug/l	99
7) Trichlorofluoromethane	3.262	101	242579	21.131	ug/l	93
8) Diethyl Ether	3.709	74	66778	20.326	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	154252	21.121	ug/l	100
10) Methyl Iodide	4.297	142	136472	20.437	ug/l	99
11) Tert butyl alcohol	5.220	59	36408	98.894	ug/l	96
12) 1,1-Dichloroethene	4.068	96	138282	20.609	ug/l	91
13) Acrolein	3.921	56	43031	101.749	ug/l	99
14) Allyl chloride	4.709	41	205549	20.531	ug/l	100
15) Acrylonitrile	5.415	53	156384	102.655	ug/l	99
16) Acetone	4.150	43	126492	103.371	ug/l	97
17) Carbon Disulfide	4.403	76	516228	21.280	ug/l	99
18) Methyl Acetate	4.721	43	77675	21.291	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	282148	20.262	ug/l	96
20) Methylene Chloride	4.962	84	230893	21.107	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	162663	20.871	ug/l	98
22) Diisopropyl ether	6.362	45	454770	21.598	ug/l	98
23) Vinyl Acetate	6.309	43	952375	99.803	ug/l	100
24) 1,1-Dichloroethane	6.262	63	302150	20.973	ug/l	99
25) 2-Butanone	7.214	43	169050	101.103	ug/l	92
26) 2,2-Dichloropropane	7.203	77	233259	20.795	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	171308	20.697	ug/l	99
28) Bromochloromethane	7.544	49	114909	21.919	ug/l	99
29) Tetrahydrofuran	7.562	42	113107	103.306	ug/l	98
30) Chloroform	7.709	83	293542	20.719	ug/l	98
31) Cyclohexane	7.979	56	272297	20.711	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	245969	20.775	ug/l	98
36) 1,1-Dichloropropene	8.109	75	232557	21.293	ug/l	98
37) Ethyl Acetate	7.291	43	81949	20.658	ug/l	98
38) Carbon Tetrachloride	8.097	117	212105	21.392	ug/l	97
39) Methylcyclohexane	9.350	83	258148	20.301	ug/l	94
40) Benzene	8.350	78	658340	20.782	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	41496	20.672	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	169944	20.933	ug/l	98
43) Isopropyl Acetate	8.450	43	154001	20.794	ug/l	100
44) Trichloroethene	9.108	130	160776	21.010	ug/l	95
45) 1,2-Dichloropropane	9.385	63	172702	20.988	ug/l	93
46) Dibromomethane	9.473	93	85509	21.395	ug/l	98
47) Bromodichloromethane	9.661	83	216859	20.973	ug/l	95
48) Methyl methacrylate	9.450	41	72852	20.628	ug/l	98
49) 1,4-Dioxane	9.456	88	18544	426.360	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	404628	105.073	ug/l	97
52) Toluene	10.403	92	404903	21.000	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	189751	20.718	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	232969	20.957	ug/l	100
55) 1,1,2-Trichloroethane	10.797	97	116522	20.577	ug/l	96
56) Ethyl methacrylate	10.655	69	130134	20.195	ug/l	99
57) 1,3-Dichloropropane	10.944	76	205242	20.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	334793	98.505	ug/l	100
59) 2-Hexanone	10.979	43	269659	104.560	ug/l	97
60) Dibromochloromethane	11.138	129	134439	20.725	ug/l	100
61) 1,2-Dibromoethane	11.238	107	108907	21.244	ug/l	100
64) Tetrachloroethene	10.873	164	129773	20.966	ug/l	99
65) Chlorobenzene	11.661	112	412090	20.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	149061	20.939	ug/l	99
67) Ethyl Benzene	11.738	91	728796	20.562	ug/l	99
68) m/p-Xylenes	11.850	106	583281	42.465	ug/l	100
69) o-Xylene	12.173	106	258346	20.845	ug/l	98
70) Styrene	12.185	104	459243	21.157	ug/l	99
71) Bromoform	12.350	173	73532	21.200	ug/l #	100
73) Isopropylbenzene	12.473	105	677277	20.469	ug/l	99
74) N-amyl acetate	12.279	43	141451	19.828	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	139411	21.117	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	108439m	29.340	ug/l	
77) Bromobenzene	12.755	156	151663	20.651	ug/l	99
78) n-propylbenzene	12.814	91	892564	20.917	ug/l	99
79) 2-Chlorotoluene	12.897	91	506828	20.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	595818	21.152	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	36196	20.418	ug/l	97
82) 4-Chlorotoluene	12.997	91	539943	21.004	ug/l	100
83) tert-Butylbenzene	13.214	119	465153	20.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	594061	21.260	ug/l	98
85) sec-Butylbenzene	13.391	105	759936	20.716	ug/l	99
86) p-Isopropyltoluene	13.508	119	617434	20.834	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	325289	20.847	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	322716	20.881	ug/l	100
89) n-Butylbenzene	13.832	91	590581	20.307	ug/l	99
90) Hexachloroethane	14.102	117	129128	20.647	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	282486	21.128	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	20549	20.838	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	149577	20.117	ug/l	99
94) Hexachlorobutadiene	15.255	225	90609	20.630	ug/l	98
95) Naphthalene	15.391	128	260166	19.225	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	130029	20.034	ug/l	99

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

