

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069761.D
 Acq On : 20 Jul 2021 10:56
 Operator : VA/SY
 Sample : VD0720SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/21/2021 5:52:12 PM

Quant Time: Jul 21 03:22:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	594205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1050817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	994051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	471070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	372347	50.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.380%	
35) Dibromofluoromethane	7.914	113	350306	49.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.380%	
50) Toluene-d8	10.332	98	1436599	52.453	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.900%	
62) 4-Bromofluorobenzene	12.620	95	486981	53.314	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	84389	14.221	ug/l	91
3) Chloromethane	2.209	50	127249	14.970	ug/l	96
4) Vinyl Chloride	2.344	62	148885	16.472	ug/l	96
5) Bromomethane	2.750	94	103731	17.455	ug/l	98
6) Chloroethane	2.909	64	102906	17.794	ug/l	98
7) Trichlorofluoromethane	3.268	101	205676	18.044	ug/l	98
8) Diethyl Ether	3.709	74	57004	17.141	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	134565	19.037	ug/l	98
10) Methyl Iodide	4.291	142	86561	13.599	ug/l	99
11) Tert butyl alcohol	5.215	59	37571	37.901	ug/l	97
12) 1,1-Dichloroethene	4.062	96	113045	17.445	ug/l	95
13) Acrolein	3.920	56	42164	82.431	ug/l	99
14) Allyl chloride	4.715	41	172537	17.232	ug/l	97
15) Acrylonitrile	5.415	53	137850	91.410	ug/l	98
16) Acetone	4.156	43	127405	89.341	ug/l	99
17) Carbon Disulfide	4.409	76	306691	13.730	ug/l	100
18) Methyl Acetate	4.715	43	110754	28.015	ug/l	99
19) Methyl tert-butyl Ether	5.467	73	232837	16.973	ug/l	97
20) Methylene Chloride	4.962	84	222027	17.623	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	136809	17.679	ug/l	98
22) Diisopropyl ether	6.362	45	362803	17.483	ug/l	99
23) Vinyl Acetate	6.303	43	762455	76.733	ug/l	97
24) 1,1-Dichloroethane	6.262	63	275202	19.004	ug/l	98
25) 2-Butanone	7.209	43	168048	95.832	ug/l	97
26) 2,2-Dichloropropane	7.209	77	211267	18.286	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	153729	18.415	ug/l	98
28) Bromochloromethane	7.544	49	99565	17.816	ug/l	99
29) Tetrahydrofuran	7.561	42	95381	87.792	ug/l	97
30) Chloroform	7.703	83	287497	19.959	ug/l	98
31) Cyclohexane	7.985	56	187458	15.139	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	225168	18.435	ug/l	99
36) 1,1-Dichloropropene	8.108	75	197134	18.185	ug/l	99
37) Ethyl Acetate	7.285	43	80565	19.646	ug/l	# 95
38) Carbon Tetrachloride	8.091	117	193074	19.449	ug/l	99
39) Methylcyclohexane	9.350	83	184596	15.655	ug/l	98
40) Benzene	8.350	78	590093	18.872	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	39824m	18.739	ug/l	
42) 1,2-Dichloroethane	8.420	62	164528	19.386	ug/l	100
43) Isopropyl Acetate	8.450	43	143323	19.086	ug/l	100
44) Trichloroethene	9.108	130	144219	19.021	ug/l	98
45) 1,2-Dichloropropane	9.385	63	160725	19.557	ug/l	94
46) Dibromomethane	9.473	93	80081	19.965	ug/l	100
47) Bromodichloromethane	9.655	83	217885	20.496	ug/l	98
48) Methyl methacrylate	9.455	41	65224	17.466	ug/l #	88
49) 1,4-Dioxane	9.461	88	15061	344.186	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	392611	100.959	ug/l	100
52) Toluene	10.397	92	378975	20.151	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	182324	20.403	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	223578	20.374	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	119411	21.282	ug/l	97
56) Ethyl methacrylate	10.655	69	118770	17.681	ug/l	98
57) 1,3-Dichloropropane	10.938	76	194835	19.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	302802	100.593	ug/l	99
59) 2-Hexanone	10.979	43	251024	96.845	ug/l	98
60) Dibromochloromethane	11.132	129	136503	20.854	ug/l	99
61) 1,2-Dibromoethane	11.238	107	104579	20.089	ug/l	98
64) Tetrachloroethene	10.873	164	118976	19.600	ug/l	99
65) Chlorobenzene	11.667	112	396191	19.951	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	148197	20.892	ug/l	99
67) Ethyl Benzene	11.738	91	687583	19.553	ug/l	99
68) m/p-Xylenes	11.849	106	529293	39.804	ug/l	99
69) o-Xylene	12.173	106	236602	19.540	ug/l	96
70) Styrene	12.191	104	430797	20.388	ug/l	97
71) Bromoform	12.349	173	70555	20.515	ug/l #	97
73) Isopropylbenzene	12.473	105	639339	19.061	ug/l	99
74) N-amyl acetate	12.279	43	136429	18.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	137799	20.625	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	89743m	19.610	ug/l	
77) Bromobenzene	12.755	156	146531	19.691	ug/l	99
78) n-propylbenzene	12.814	91	842769	19.816	ug/l	100
79) 2-Chlorotoluene	12.896	91	483685	19.345	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	572740	20.132	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	32204	18.912	ug/l	99
82) 4-Chlorotoluene	12.996	91	520756	19.848	ug/l	99
83) tert-Butylbenzene	13.214	119	447032	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	560404	19.854	ug/l	99
85) sec-Butylbenzene	13.391	105	703395	19.297	ug/l	100
86) p-Isopropyltoluene	13.508	119	586308	19.748	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	306401	19.826	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	302413	19.594	ug/l	97
89) n-Butylbenzene	13.832	91	587740	19.982	ug/l	99
90) Hexachloroethane	14.102	117	111645	18.480	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	264388	19.840	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	20523	20.624	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	146430	19.765	ug/l	99
94) Hexachlorobutadiene	15.255	225	91218	20.422	ug/l	100
95) Naphthalene	15.390	128	250171	18.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	127200	19.988	ug/l	99

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

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