

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070275.D
 Acq On : 31 Aug 2021 13:04
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:42:21 PM

Quant Time: Sep 01 03:57:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	430253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	795540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	762247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	363826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278326	55.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.000%	
35) Dibromofluoromethane	7.914	113	271821	52.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.780%	
50) Toluene-d8	10.338	98	1065483	53.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.600%	
62) 4-Bromofluorobenzene	12.620	95	361260	54.866	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	117355	25.279	ug/l	95
3) Chloromethane	2.209	50	153557	23.395	ug/l	99
4) Vinyl Chloride	2.344	62	165217	22.690	ug/l	100
5) Bromomethane	2.744	94	111579	25.865	ug/l	99
6) Chloroethane	2.909	64	98722	21.222	ug/l	97
7) Trichlorofluoromethane	3.262	101	205626	23.512	ug/l	94
8) Diethyl Ether	3.709	74	59615	23.819	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	128965	23.179	ug/l	98
10) Methyl Iodide	4.297	142	96796	19.027	ug/l	98
11) Tert butyl alcohol	5.173	59	125874	450.024	ug/l #	71
12) 1,1-Dichloroethene	4.056	96	116290	22.750	ug/l	95
13) Acrolein	3.926	56	21499	66.729	ug/l	97
14) Allyl chloride	4.709	41	181574	23.807	ug/l	98
15) Acrylonitrile	5.420	53	144428	124.448	ug/l	99
16) Acetone	4.156	43	128737	138.097	ug/l	99
17) Carbon Disulfide	4.403	76	396677	21.464	ug/l	99
18) Methyl Acetate	4.720	43	72454	26.069	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	252916	23.841	ug/l	91
20) Methylene Chloride	4.962	84	175596	23.283	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	130633	22.001	ug/l	96
22) Diisopropyl ether	6.361	45	400615	24.974	ug/l	97
23) Vinyl Acetate	6.303	43	894379	123.028	ug/l	99
24) 1,1-Dichloroethane	6.261	63	261271	23.806	ug/l	99
25) 2-Butanone	7.208	43	173408	136.133	ug/l	93
26) 2,2-Dichloropropane	7.208	77	218588	25.580	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	145780	23.120	ug/l	97
28) Bromochloromethane	7.544	49	98661	24.704	ug/l	97
29) Tetrahydrofuran	7.555	42	106736	127.965	ug/l	96
30) Chloroform	7.708	83	255151	23.640	ug/l	97
31) Cyclohexane	7.985	56	227211	22.684	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	210381	23.325	ug/l	97
36) 1,1-Dichloropropene	8.108	75	196329	22.940	ug/l	99
37) Ethyl Acetate	7.291	43	83298	26.796	ug/l	97
38) Carbon Tetrachloride	8.091	117	177051	22.787	ug/l	94
39) Methylcyclohexane	9.350	83	212005	21.276	ug/l	95
40) Benzene	8.344	78	578383	23.300	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	40385	24.029	ug/l	96
42) 1,2-Dichloroethane	8.420	62	148634	23.363	ug/l	98
43) Isopropyl Acetate	8.444	43	146982	25.326	ug/l	96
44) Trichloroethene	9.108	130	135567	22.607	ug/l	100
45) 1,2-Dichloropropane	9.385	63	151877	23.554	ug/l	99
46) Dibromomethane	9.473	93	73430	23.447	ug/l	97
47) Bromodichloromethane	9.661	83	190102	23.462	ug/l	99
48) Methyl methacrylate	9.450	41	68142	24.622	ug/l	95
49) 1,4-Dioxane	9.455	88	15938	467.633	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	383857	127.204	ug/l	97
52) Toluene	10.397	92	345384	22.859	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	172853	24.084	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	209683	24.071	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	102124	23.015	ug/l	98
56) Ethyl methacrylate	10.655	69	115105	22.795	ug/l	97
57) 1,3-Dichloropropane	10.938	76	182087	23.704	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	319488	119.959	ug/l	98
59) 2-Hexanone	10.979	43	258453	127.888	ug/l	97
60) Dibromochloromethane	11.132	129	114718	22.568	ug/l	98
61) 1,2-Dibromoethane	11.238	107	95052	23.661	ug/l	99
64) Tetrachloroethene	10.873	164	106589	21.676	ug/l	95
65) Chlorobenzene	11.661	112	353037	22.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	129785	22.947	ug/l	97
67) Ethyl Benzene	11.738	91	623440	22.140	ug/l	100
68) m/p-Xylenes	11.843	106	487682	44.691	ug/l	99
69) o-Xylene	12.173	106	213480	21.682	ug/l	100
70) Styrene	12.185	104	385600	22.360	ug/l	99
71) Bromoform	12.349	173	63415	23.013	ug/l #	99
73) Isopropylbenzene	12.473	105	569983	21.484	ug/l	98
74) N-amyl acetate	12.279	43	137398	24.019	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	124756	23.567	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	91785m	24.876	ug/l	
77) Bromobenzene	12.749	156	132163	22.443	ug/l	99
78) n-propylbenzene	12.808	91	758043	22.155	ug/l	99
79) 2-Chlorotoluene	12.896	91	428933	21.789	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	500225	22.147	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	33910	23.855	ug/l	91
82) 4-Chlorotoluene	12.996	91	453748	22.013	ug/l	100
83) tert-Butylbenzene	13.214	119	400259	21.802	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	493780	22.038	ug/l	99
85) sec-Butylbenzene	13.390	105	639990	21.758	ug/l	98
86) p-Isopropyltoluene	13.502	119	508753	21.409	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	273921	21.893	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	265700	21.440	ug/l	96
89) n-Butylbenzene	13.832	91	506178	21.706	ug/l	98
90) Hexachloroethane	14.096	117	107853	21.507	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	233842	21.811	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	17607	22.267	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	128471	21.548	ug/l	98
94) Hexachlorobutadiene	15.255	225	70797	20.102	ug/l	94
95) Naphthalene	15.384	128	225439	20.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	110520	21.236	ug/l	97

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

