

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070160.D
 Acq On : 19 Aug 2021 11:31
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:48:11 PM

Quant Time: Aug 20 05:46:26 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	7.979	168	488260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	882038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	843223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	392362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	295776	51.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.000%			
35) Dibromofluoromethane	7.914	113	297681	52.238	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.480%			
50) Toluene-d8	10.338	98	1160445	52.357	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.626	95	385389	52.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	125860	23.488	ug/l	98
3) Chloromethane	2.209	50	164069	21.744	ug/l	99
4) Vinyl Chloride	2.344	62	170729	20.661	ug/l	100
5) Bromomethane	2.744	94	112736	22.515	ug/l	98
6) Chloroethane	2.909	64	108213	20.499	ug/l	94
7) Trichlorofluoromethane	3.262	101	206659	20.823	ug/l	96
8) Diethyl Ether	3.703	74	60337	21.243	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	134689	21.332	ug/l	99
10) Methyl Iodide	4.297	142	113936	19.736	ug/l	99
11) Tert butyl alcohol	5.220	59	34796	109.623	ug/l #	86
12) 1,1-Dichloroethene	4.067	96	120137	20.711	ug/l	92
13) Acrolein	3.926	56	28452	77.818	ug/l	98
14) Allyl chloride	4.714	41	179292	20.715	ug/l	100
15) Acrylonitrile	5.420	53	136103	103.342	ug/l	98
16) Acetone	4.161	43	101958	96.378	ug/l	96
17) Carbon Disulfide	4.403	76	435511	20.766	ug/l	99
18) Methyl Acetate	4.714	43	69094	21.906	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	243217	20.203	ug/l	99
20) Methylene Chloride	4.961	84	191649	22.020	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	138117	20.498	ug/l	98
22) Diisopropyl ether	6.361	45	396452	21.779	ug/l	98
23) Vinyl Acetate	6.303	43	844529	102.369	ug/l	99
24) 1,1-Dichloroethane	6.261	63	264933	21.272	ug/l	98
25) 2-Butanone	7.208	43	154213	106.681	ug/l	91
26) 2,2-Dichloropropane	7.202	77	203600	20.995	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	152602	21.326	ug/l	100
28) Bromochloromethane	7.550	49	105268	23.226	ug/l	99
29) Tetrahydrofuran	7.561	42	97389	102.888	ug/l	99
30) Chloroform	7.708	83	261891	21.381	ug/l	95
31) Cyclohexane	7.979	56	231256	20.345	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	216403	21.142	ug/l	97
36) 1,1-Dichloropropene	8.108	75	199267	21.000	ug/l	98
37) Ethyl Acetate	7.291	43	74782	21.697	ug/l	98
38) Carbon Tetrachloride	8.091	117	180546	20.958	ug/l	96
39) Methylcyclohexane	9.349	83	223045	20.189	ug/l	98
40) Benzene	8.350	78	585454	21.272	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	42195	22.644	ug/l	93
42) 1,2-Dichloroethane	8.420	62	151146	21.428	ug/l	99
43) Isopropyl Acetate	8.449	43	132713	20.625	ug/l	99
44) Trichloroethene	9.108	130	140707	21.163	ug/l	99
45) 1,2-Dichloropropane	9.379	63	156089	21.834	ug/l	98
46) Dibromomethane	9.473	93	74415	21.431	ug/l	98
47) Bromodichloromethane	9.655	83	197071	21.937	ug/l	98
48) Methyl methacrylate	9.449	41	64338	20.968	ug/l	98
49) 1,4-Dioxane	9.455	88	16350	432.677	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	350862	104.868	ug/l	97
52) Toluene	10.396	92	361803	21.598	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	170611	21.441	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	206576	21.389	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	106233	21.593	ug/l	93
56) Ethyl methacrylate	10.655	69	116782	20.859	ug/l	97
57) 1,3-Dichloropropane	10.943	76	181819	21.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	289131	97.915	ug/l	99
59) 2-Hexanone	10.979	43	233008	103.991	ug/l	98
60) Dibromochloromethane	11.132	129	118169	20.967	ug/l	98
61) 1,2-Dibromoethane	11.243	107	96709	21.713	ug/l	99
64) Tetrachloroethene	10.873	164	112328	20.649	ug/l	97
65) Chlorobenzene	11.661	112	373310	21.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	132454	21.170	ug/l	99
67) Ethyl Benzene	11.738	91	636281	20.426	ug/l	100
68) m/p-Xylenes	11.843	106	510700	42.306	ug/l	99
69) o-Xylene	12.173	106	224141	20.578	ug/l	99
70) Styrene	12.185	104	401949	21.070	ug/l	99
71) Bromoform	12.355	173	63099	20.700	ug/l #	98
73) Isopropylbenzene	12.473	105	588419	20.565	ug/l	100
74) N-amyl acetate	12.279	43	125669	20.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	121502	21.283	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	81371m	20.450	ug/l	
77) Bromobenzene	12.749	156	135914	21.402	ug/l	97
78) n-propylbenzene	12.814	91	787456	21.341	ug/l	100
79) 2-Chlorotoluene	12.896	91	455051	21.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	516966	21.223	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	31759	20.717	ug/l	95
82) 4-Chlorotoluene	12.996	91	473217	21.288	ug/l	99
83) tert-Butylbenzene	13.214	119	418833	21.154	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	513940	21.270	ug/l	100
85) sec-Butylbenzene	13.390	105	665603	20.983	ug/l	98
86) p-Isopropyltoluene	13.508	119	536249	20.925	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	278178	20.616	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	281878	21.091	ug/l	96
89) n-Butylbenzene	13.832	91	513684	20.426	ug/l	99
90) Hexachloroethane	14.102	117	112087	20.726	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	244496	21.147	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	17144	20.104	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	132765	20.649	ug/l	100
94) Hexachlorobutadiene	15.249	225	77521	20.411	ug/l	98
95) Naphthalene	15.384	128	229594	19.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	116899	20.828	ug/l	98

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

