

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070119.D
 Acq On : 18 Aug 2021 11:04
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:23 PM

Quant Time: Aug 19 07:27:21 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	495608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	907245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	865475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	419816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	293722	50.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.909	113	298199	50.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.338	98	1148376	50.373	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	12.626	95	382708	50.967	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	128756	23.729	ug/l	99
3) Chloromethane	2.209	50	167897	21.961	ug/l	97
4) Vinyl Chloride	2.344	62	173943	20.738	ug/l	100
5) Bromomethane	2.744	94	113728	22.348	ug/l	99
6) Chloroethane	2.909	64	111377	20.785	ug/l	99
7) Trichlorofluoromethane	3.268	101	208552	20.702	ug/l	98
8) Diethyl Ether	3.709	74	62067	21.528	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.079	101	134464	20.980	ug/l	99
10) Methyl Iodide	4.291	142	108282	18.478	ug/l	99
11) Tert butyl alcohol	5.220	59	37268	115.670	ug/l	95
12) 1,1-Dichloroethene	4.068	96	119582	20.309	ug/l	95
13) Acrolein	3.915	56	32629	87.920	ug/l	98
14) Allyl chloride	4.703	41	169957	19.345	ug/l	96
15) Acrylonitrile	5.420	53	140076	104.781	ug/l	99
16) Acetone	4.156	43	107952	100.531	ug/l	92
17) Carbon Disulfide	4.403	76	434473	20.409	ug/l	97
18) Methyl Acetate	4.720	43	68535	21.407	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	247915	20.288	ug/l	97
20) Methylene Chloride	4.962	84	184405	20.366	ug/l	98
21) trans-1,2-Dichloroethene	5.462	96	141758	20.727	ug/l	96
22) Diisopropyl ether	6.362	45	401400	21.724	ug/l	98
23) Vinyl Acetate	6.303	43	843946	100.782	ug/l	100
24) 1,1-Dichloroethane	6.262	63	263378	20.833	ug/l	99
25) 2-Butanone	7.214	43	149447	101.851	ug/l	100
26) 2,2-Dichloropropane	7.203	77	200634	20.383	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	153236	21.097	ug/l	98
28) Bromochloromethane	7.544	49	101922	22.155	ug/l	98
29) Tetrahydrofuran	7.561	42	101041	105.163	ug/l	99
30) Chloroform	7.709	83	263822	21.220	ug/l	99
31) Cyclohexane	7.979	56	224191	19.431	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	221040	21.275	ug/l	98
36) 1,1-Dichloropropene	8.109	75	199947	20.486	ug/l	99
37) Ethyl Acetate	7.291	43	75162	21.202	ug/l	99
38) Carbon Tetrachloride	8.091	117	185007	20.879	ug/l	95
39) Methylcyclohexane	9.356	83	216503	19.052	ug/l	97
40) Benzene	8.350	78	588921	20.803	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	41681	21.747	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	153480	21.155	ug/l	99
43) Isopropyl Acetate	8.450	43	133286	20.139	ug/l	99
44) Trichloroethene	9.108	130	136425	19.949	ug/l	96
45) 1,2-Dichloropropane	9.385	63	156043	21.221	ug/l	97
46) Dibromomethane	9.473	93	78870	22.083	ug/l	99
47) Bromodichloromethane	9.656	83	193897	20.984	ug/l	99
48) Methyl methacrylate	9.450	41	62127	19.685	ug/l	98
49) 1,4-Dioxane	9.461	88	16520	425.029	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	357943	104.012	ug/l	99
52) Toluene	10.397	92	364232	21.139	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	169186	20.671	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	208159	20.954	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	106556	21.057	ug/l	93
56) Ethyl methacrylate	10.655	69	117641	20.429	ug/l	98
57) 1,3-Dichloropropane	10.944	76	185531	21.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	302564	99.617	ug/l	100
59) 2-Hexanone	10.979	43	240312	104.271	ug/l	96
60) Dibromochloromethane	11.138	129	128362	22.143	ug/l	97
61) 1,2-Dibromoethane	11.244	107	100583	21.955	ug/l	99
64) Tetrachloroethene	10.873	164	113204	20.275	ug/l	95
65) Chlorobenzene	11.661	112	382965	21.178	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	134123	20.886	ug/l	99
67) Ethyl Benzene	11.738	91	645988	20.205	ug/l	97
68) m/p-Xylenes	11.850	106	513421	41.438	ug/l	98
69) o-Xylene	12.173	106	226466	20.257	ug/l	99
70) Styrene	12.185	104	408356	20.855	ug/l	98
71) Bromoform	12.355	173	68066	21.755	ug/l #	99
73) Isopropylbenzene	12.473	105	591855	19.333	ug/l	98
74) N-amyl acetate	12.279	43	128022	19.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	127531	20.878	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	98752m	23.195	ug/l	
77) Bromobenzene	12.749	156	139152	20.479	ug/l	99
78) n-propylbenzene	12.814	91	782765	19.826	ug/l	99
79) 2-Chlorotoluene	12.897	91	448557	19.747	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	522081	20.032	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	33321	20.314	ug/l	95
82) 4-Chlorotoluene	12.996	91	476710	20.043	ug/l	99
83) tert-Butylbenzene	13.214	119	410091	19.358	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	519640	20.099	ug/l	99
85) sec-Butylbenzene	13.391	105	667336	19.662	ug/l	98
86) p-Isopropyltoluene	13.502	119	530592	19.350	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	290006	20.087	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	295402	20.658	ug/l	99
89) n-Butylbenzene	13.832	91	508063	18.881	ug/l	98
90) Hexachloroethane	14.096	117	114144	19.726	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	253286	20.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	16722	18.327	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	132339	19.237	ug/l	100
94) Hexachlorobutadiene	15.249	225	77806	19.146	ug/l	97
95) Naphthalene	15.385	128	232587	18.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	118251	19.691	ug/l	98

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

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