

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070159.D
 Acq On : 19 Aug 2021 11:02
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:48:09 PM

Quant Time: Aug 20 05:46:11 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	479939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	876910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	844786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	405328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	283423	50.209	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.420%			
35) Dibromofluoromethane	7.914	113	283454	50.032	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.338	98	1115998	50.646	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.626	95	369634	50.929	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	122649	23.222	ug/l	99
3) Chloromethane	2.209	50	155844	20.849	ug/l	98
4) Vinyl Chloride	2.344	62	164960	20.309	ug/l	99
5) Bromomethane	2.750	94	106858	21.544	ug/l	99
6) Chloroethane	2.909	64	107638	20.743	ug/l	98
7) Trichlorofluoromethane	3.268	101	197780	20.273	ug/l	95
8) Diethyl Ether	3.703	74	58745	21.041	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	126576	20.394	ug/l	99
10) Methyl Iodide	4.291	142	100298	17.675	ug/l	99
11) Tert butyl alcohol	5.226	59	39005	125.014	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	115604	20.275	ug/l	97
13) Acrolein	3.920	56	28591	79.554	ug/l	95
14) Allyl chloride	4.714	41	169084	19.874	ug/l	97
15) Acrylonitrile	5.414	53	133301	102.969	ug/l	99
16) Acetone	4.150	43	108138	103.992	ug/l	98
17) Carbon Disulfide	4.403	76	410704	19.922	ug/l	98
18) Methyl Acetate	4.714	43	66825	21.554	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	243860	20.607	ug/l	97
20) Methylene Chloride	4.962	84	189006	22.125	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	136788	20.653	ug/l	95
22) Diisopropyl ether	6.361	45	383819	21.450	ug/l	97
23) Vinyl Acetate	6.303	43	812525	100.197	ug/l	100
24) 1,1-Dichloroethane	6.261	63	257067	20.998	ug/l	99
25) 2-Butanone	7.208	43	150094	105.632	ug/l	100
26) 2,2-Dichloropropane	7.203	77	189181	19.847	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	148118	21.058	ug/l	99
28) Bromochloromethane	7.544	49	101512	22.786	ug/l	97
29) Tetrahydrofuran	7.561	42	95665	102.818	ug/l	99
30) Chloroform	7.708	83	255591	21.229	ug/l	99
31) Cyclohexane	7.979	56	225412	20.175	ug/l #	93
32) 1,1,1-Trichloroethane	7.903	97	213940	21.264	ug/l	96
36) 1,1-Dichloropropene	8.108	75	192751	20.432	ug/l	99
37) Ethyl Acetate	7.291	43	70146	20.471	ug/l	98
38) Carbon Tetrachloride	8.091	117	173581	20.268	ug/l	99
39) Methylcyclohexane	9.355	83	211370	19.244	ug/l	97
40) Benzene	8.350	78	574119	20.982	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	37343	20.157	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	150258	21.427	ug/l	98
43) Isopropyl Acetate	8.450	43	128491	20.086	ug/l	99
44) Trichloroethene	9.108	130	135452	20.492	ug/l	99
45) 1,2-Dichloropropane	9.385	63	151027	21.249	ug/l	98
46) Dibromomethane	9.473	93	75106	21.756	ug/l	97
47) Bromodichloromethane	9.661	83	191354	21.425	ug/l	98
48) Methyl methacrylate	9.455	41	56714	18.591	ug/l	89
49) 1,4-Dioxane	9.461	88	15403	409.999	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	339277	101.998	ug/l	98
52) Toluene	10.397	92	348509	20.926	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	165922	20.973	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	199163	20.742	ug/l	100
55) 1,1,2-Trichloroethane	10.797	97	106027	21.677	ug/l	97
56) Ethyl methacrylate	10.655	69	110107	19.782	ug/l	99
57) 1,3-Dichloropropane	10.938	76	180443	21.310	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	282501	96.229	ug/l	99
59) 2-Hexanone	10.979	43	226534	101.693	ug/l	96
60) Dibromochloromethane	11.138	129	117712	21.008	ug/l	99
61) 1,2-Dibromoethane	11.238	107	94530	21.348	ug/l	98
64) Tetrachloroethene	10.873	164	107317	19.691	ug/l	98
65) Chlorobenzene	11.661	112	358780	20.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	128543	20.507	ug/l	100
67) Ethyl Benzene	11.738	91	622865	19.959	ug/l	98
68) m/p-Xylenes	11.844	106	491353	40.628	ug/l	99
69) o-Xylene	12.173	106	220602	20.216	ug/l	98
70) Styrene	12.191	104	394525	20.642	ug/l	99
71) Bromoform	12.349	173	61602	20.171	ug/l #	98
73) Isopropylbenzene	12.473	105	577160	19.527	ug/l	98
74) N-amyl acetate	12.279	43	121517	19.068	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	122499	20.771	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	94790m	23.060	ug/l	
77) Bromobenzene	12.755	156	134556	20.510	ug/l	98
78) n-propylbenzene	12.814	91	759419	19.922	ug/l	99
79) 2-Chlorotoluene	12.896	91	442246	20.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	499383	19.846	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	30520	19.272	ug/l	92
82) 4-Chlorotoluene	12.996	91	463937	20.203	ug/l	100
83) tert-Butylbenzene	13.214	119	388286	18.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	497225	19.920	ug/l	100
85) sec-Butylbenzene	13.390	105	638779	19.493	ug/l	99
86) p-Isopropyltoluene	13.508	119	520680	19.667	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	284223	20.390	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	276098	19.998	ug/l	98
89) n-Butylbenzene	13.832	91	501027	19.286	ug/l	98
90) Hexachloroethane	14.102	117	107920	19.317	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	238252	19.947	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	17403	19.755	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	131616	19.816	ug/l	97
94) Hexachlorobutadiene	15.255	225	74670	19.031	ug/l	97
95) Naphthalene	15.385	128	222755	18.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	113666	19.604	ug/l	99

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

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