

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070493.D
 Acq On : 28 Sep 2021 10:49
 Operator : VA/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:32:10 PM

Quant Time: Sep 28 23:39:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	349823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	604580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	576712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	280397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	196862	43.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.660%		
35) Dibromofluoromethane	7.914	113	209721	48.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.460%		
50) Toluene-d8	10.338	98	786101	50.311	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.626	95	263368	48.230	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	83751	21.400	ug/l	99
3) Chloromethane	2.209	50	103142	19.312	ug/l	100
4) Vinyl Chloride	2.350	62	119036	21.627	ug/l	97
5) Bromomethane	2.756	94	79136	20.619	ug/l	98
6) Chloroethane	2.915	64	76041	20.709	ug/l	97
7) Trichlorofluoromethane	3.268	101	160180	22.003	ug/l	93
8) Diethyl Ether	3.709	74	37141	18.455	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	97265	21.509	ug/l	97
10) Methyl Iodide	4.297	142	72982	17.541	ug/l	98
11) Tert butyl alcohol	5.226	59	18764	36.946	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	82127	20.165	ug/l	98
13) Acrolein	3.926	56	11852	53.078	ug/l	91
14) Allyl chloride	4.715	41	110715	18.500	ug/l	99
15) Acrylonitrile	5.415	53	88063	91.841	ug/l	98
16) Acetone	4.156	43	75021	93.549	ug/l	100
17) Carbon Disulfide	4.409	76	292201	19.446	ug/l	98
18) Methyl Acetate	4.715	43	43205	18.682	ug/l	99
19) Methyl tert-butyl Ether	5.468	73	161287	18.325	ug/l	95
20) Methylene Chloride	4.962	84	114244	18.249	ug/l	96
21) trans-1,2-Dichloroethene	5.468	96	96015	19.805	ug/l	99
22) Diisopropyl ether	6.356	45	247302	19.306	ug/l	98
23) Vinyl Acetate	6.303	43	515622	86.890	ug/l	98
24) 1,1-Dichloroethane	6.262	63	177016	19.531	ug/l	96
25) 2-Butanone	7.209	43	95183	89.163	ug/l	93
26) 2,2-Dichloropropane	7.209	77	153013	20.887	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	103422	19.859	ug/l	98
28) Bromochloromethane	7.544	49	63804	17.742	ug/l	95
29) Tetrahydrofuran	7.561	42	59720	87.147	ug/l	98
30) Chloroform	7.709	83	186078	20.026	ug/l	100
31) Cyclohexane	7.985	56	150914	19.504	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	166817	21.330	ug/l	98
36) 1,1-Dichloropropene	8.109	75	140572	21.753	ug/l	99
37) Ethyl Acetate	7.291	43	43711	18.089	ug/l	99
38) Carbon Tetrachloride	8.091	117	145209	22.720	ug/l	96
39) Methylcyclohexane	9.350	83	152622	21.141	ug/l	98
40) Benzene	8.344	78	406574	21.469	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	22941m	18.044	ug/l	
42) 1,2-Dichloroethane	8.420	62	102898	20.287	ug/l	99
43) Isopropyl Acetate	8.450	43	81198	18.173	ug/l	98
44) Trichloroethene	9.108	130	104218	23.027	ug/l	94
45) 1,2-Dichloropropane	9.379	63	104555	21.044	ug/l	93
46) Dibromomethane	9.473	93	52199	20.402	ug/l	98
47) Bromodichloromethane	9.656	83	135222	20.717	ug/l	98
48) Methyl methacrylate	9.450	41	39699	19.244	ug/l	99
49) 1,4-Dioxane	9.456	88	11127	434.210	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	215683	93.288	ug/l	99
52) Toluene	10.397	92	255505	22.329	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	119144	21.220	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	144077	21.085	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	74043	21.037	ug/l	98
56) Ethyl methacrylate	10.655	69	73939	19.244	ug/l	97
57) 1,3-Dichloropropane	10.938	76	122441	20.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	189536	102.347	ug/l	99
59) 2-Hexanone	10.979	43	152567	98.905	ug/l	98
60) Dibromochloromethane	11.138	129	86505	21.119	ug/l	98
61) 1,2-Dibromoethane	11.238	107	65980	20.384	ug/l	97
64) Tetrachloroethene	10.873	164	82800	23.581	ug/l	97
65) Chlorobenzene	11.661	112	257212	21.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	94450	21.585	ug/l	98
67) Ethyl Benzene	11.738	91	442603	21.481	ug/l	98
68) m/p-Xylenes	11.850	106	362252	45.521	ug/l	98
69) o-Xylene	12.173	106	154313	21.645	ug/l	99
70) Styrene	12.185	104	275811	22.146	ug/l	99
71) Bromoform	12.349	173	46206	21.365	ug/l #	100
73) Isopropylbenzene	12.473	105	417310	21.222	ug/l	99
74) N-amyl acetate	12.279	43	75198	17.551	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	82786	19.657	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	53541m	18.877	ug/l	
77) Bromobenzene	12.755	156	94645	20.862	ug/l	99
78) n-propylbenzene	12.814	91	553308	21.680	ug/l	100
79) 2-Chlorotoluene	12.897	91	315899	21.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	365336	21.527	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	21387	18.894	ug/l	90
82) 4-Chlorotoluene	12.996	91	339117	21.608	ug/l	100
83) tert-Butylbenzene	13.214	119	291874	21.444	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	367301	21.978	ug/l	100
85) sec-Butylbenzene	13.391	105	474781	21.945	ug/l	100
86) p-Isopropyltoluene	13.508	119	380863	21.910	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	199452	21.117	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	203191	21.432	ug/l	99
89) n-Butylbenzene	13.832	91	359547	20.745	ug/l	99
90) Hexachloroethane	14.096	117	81378	20.451	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	173908	20.868	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11332	17.966	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	88435	19.651	ug/l	99
94) Hexachlorobutadiene	15.249	225	61116	22.140	ug/l	97
95) Naphthalene	15.385	128	149761	18.311	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	76304	19.217	ug/l	98

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

