

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070726.D
 Acq On : 18 Oct 2021 13:26
 Operator : VA/SY
 Sample : VD1018SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1018SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2021 5:22:58 PM

Quant Time: Oct 19 06:39:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	427826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	721675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	682291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	324496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266483	52.589	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.180%			
35) Dibromofluoromethane	7.908	113	235998	51.072	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%			
50) Toluene-d8	10.332	98	918412	51.848	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.626	95	318316	52.189	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	101740	20.340	ug/l	97
3) Chloromethane	2.209	50	149569	20.152	ug/l	96
4) Vinyl Chloride	2.350	62	150357	19.769	ug/l	98
5) Bromomethane	2.756	94	93190	20.094	ug/l	97
6) Chloroethane	2.909	64	96234	20.092	ug/l	98
7) Trichlorofluoromethane	3.267	101	181061	21.058	ug/l	99
8) Diethyl Ether	3.709	74	46489	20.293	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.091	101	108959	21.185	ug/l	98
10) Methyl Iodide	4.291	142	76279	16.668	ug/l	97
11) Tert butyl alcohol	5.214	59	28494	100.448	ug/l #	88
12) 1,1-Dichloroethene	4.056	96	93232	20.048	ug/l	95
13) Acrolein	3.920	56	27336	99.564	ug/l	99
14) Allyl chloride	4.714	41	171609	19.495	ug/l #	90
15) Acrylonitrile	5.420	53	120733	100.088	ug/l	98
16) Acetone	4.161	43	118980	97.349	ug/l	91
17) Carbon Disulfide	4.409	76	329338	19.435	ug/l	98
18) Methyl Acetate	4.714	43	85559	20.139	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	204137	20.304	ug/l	100
20) Methylene Chloride	4.956	84	145817	19.789	ug/l #	87
21) trans-1,2-Dichloroethene	5.473	96	110224	20.661	ug/l	93
22) Diisopropyl ether	6.361	45	368561	21.505	ug/l #	92
23) Vinyl Acetate	6.303	43	838679m	102.645	ug/l	
24) 1,1-Dichloroethane	6.261	63	223960	20.976	ug/l	97
25) 2-Butanone	7.208	43	153300	101.531	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	181250	21.464	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	115680	20.221	ug/l	89
28) Bromochloromethane	7.544	49	91212	21.488	ug/l	84
29) Tetrahydrofuran	7.555	42	94174	101.885	ug/l #	83
30) Chloroform	7.708	83	219109	21.005	ug/l	97
31) Cyclohexane	7.985	56	204309	19.929	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	185187	20.927	ug/l	94
36) 1,1-Dichloropropene	8.108	75	164346	20.442	ug/l	96
37) Ethyl Acetate	7.285	43	73464	22.056	ug/l #	91
38) Carbon Tetrachloride	8.091	117	162979	21.165	ug/l	98
39) Methylcyclohexane	9.355	83	174551	19.253	ug/l #	84
40) Benzene	8.344	78	473901	20.467	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	44505	22.309	ug/l #	76
42) 1,2-Dichloroethane	8.420	62	139080	21.165	ug/l	95
43) Isopropyl Acetate	8.449	43	130151	20.485	ug/l	94
44) Trichloroethene	9.108	130	111414	20.491	ug/l	88
45) 1,2-Dichloropropane	9.379	63	128901	21.071	ug/l	99
46) Dibromomethane	9.467	93	59378	20.269	ug/l	96
47) Bromodichloromethane	9.655	83	161991	20.844	ug/l	95
48) Methyl methacrylate	9.455	41	63435	20.381	ug/l #	84
49) 1,4-Dioxane	9.461	88	12903	410.192	ug/l #	81
51) 4-Methyl-2-Pentanone	10.220	43	348895	104.183	ug/l	90
52) Toluene	10.396	92	290943	21.106	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	142724	20.560	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	171983	20.696	ug/l #	88
55) 1,1,2-Trichloroethane	10.796	97	84148	20.915	ug/l	96
56) Ethyl methacrylate	10.655	69	94028	19.905	ug/l #	79
57) 1,3-Dichloropropane	10.938	76	144641	20.262	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	230006	108.539	ug/l	94
59) 2-Hexanone	10.979	43	242755	102.986	ug/l	87
60) Dibromochloromethane	11.132	129	97497	21.085	ug/l	99
61) 1,2-Dibromoethane	11.238	107	75654	20.551	ug/l	100
64) Tetrachloroethene	10.867	164	94027	20.509	ug/l	91
65) Chlorobenzene	11.661	112	290332	20.749	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	106227	20.517	ug/l	97
67) Ethyl Benzene	11.738	91	513735	20.080	ug/l	96
68) m/p-Xylenes	11.849	106	399062	41.172	ug/l	94
69) o-Xylene	12.173	106	173754	19.761	ug/l	94
70) Styrene	12.185	104	315901	20.669	ug/l	98
71) Bromoform	12.349	173	55432	20.619	ug/l #	99
73) Isopropylbenzene	12.473	105	473680	20.487	ug/l	100
74) N-amyl acetate	12.279	43	122898	20.417	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	95521	20.885	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	63418m	22.621	ug/l	
77) Bromobenzene	12.749	156	111484	21.298	ug/l	99
78) n-propylbenzene	12.814	91	632819	21.057	ug/l	100
79) 2-Chlorotoluene	12.896	91	368987	21.245	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	410782	21.017	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	29398	22.968	ug/l	87
82) 4-Chlorotoluene	12.996	91	380950	20.735	ug/l	99
83) tert-Butylbenzene	13.214	119	324303	20.077	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	417611	21.489	ug/l	97
85) sec-Butylbenzene	13.390	105	531712	20.946	ug/l	100
86) p-Isopropyltoluene	13.502	119	430370	21.088	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	226335	20.591	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	228035	21.009	ug/l	99
89) n-Butylbenzene	13.832	91	420494	20.416	ug/l	97
90) Hexachloroethane	14.096	117	89731	20.375	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	196457	20.912	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	13958	19.134	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	110378	20.540	ug/l	99
94) Hexachlorobutadiene	15.249	225	71925	20.411	ug/l	100
95) Naphthalene	15.384	128	178553	20.160	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	99997	20.943	ug/l	98

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

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