

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070630.D
 Acq On : 08 Oct 2021 11:06
 Operator : VA/SY
 Sample : VD1008SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2021 2:06:52 PM

Quant Time: Oct 08 18:10:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	319422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	576908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	556414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	271426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192945	51.327	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.660%			
35) Dibromofluoromethane	7.914	113	204903	53.421	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.840%			
50) Toluene-d8	10.332	98	793619	54.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.240%			
62) 4-Bromofluorobenzene	12.620	95	266809	54.443	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	76244	19.570	ug/l	99
3) Chloromethane	2.209	50	93236	19.275	ug/l	99
4) Vinyl Chloride	2.350	62	105923	19.761	ug/l	98
5) Bromomethane	2.756	94	74925	20.940	ug/l	98
6) Chloroethane	2.915	64	64226	18.765	ug/l	95
7) Trichlorofluoromethane	3.268	101	139103	20.023	ug/l	94
8) Diethyl Ether	3.715	74	34075	18.852	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	82517	19.599	ug/l	98
10) Methyl Iodide	4.297	142	66809	16.029	ug/l	99
11) Tert butyl alcohol	5.215	59	18483	99.253	ug/l #	90
12) 1,1-Dichloroethene	4.068	96	73158	19.518	ug/l	89
13) Acrolein	3.926	56	16313	91.241	ug/l	96
14) Allyl chloride	4.715	41	95868	18.374	ug/l	99
15) Acrylonitrile	5.420	53	74129	94.533	ug/l	100
16) Acetone	4.156	43	57107	89.459	ug/l	95
17) Carbon Disulfide	4.409	76	263626	19.264	ug/l	99
18) Methyl Acetate	4.720	43	47466	19.269	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	141454	18.943	ug/l	98
20) Methylene Chloride	4.962	84	113469	19.440	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	86904	19.711	ug/l	95
22) Diisopropyl ether	6.362	45	216144	20.165	ug/l	97
23) Vinyl Acetate	6.303	43	435575	89.378	ug/l	99
24) 1,1-Dichloroethane	6.262	63	155962	19.755	ug/l	99
25) 2-Butanone	7.214	43	77831	93.122	ug/l	94
26) 2,2-Dichloropropane	7.209	77	124752	19.094	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	91169	19.678	ug/l	97
28) Bromochloromethane	7.544	49	51064	18.577	ug/l	95
29) Tetrahydrofuran	7.561	42	51904	96.348	ug/l	97
30) Chloroform	7.709	83	167512	20.397	ug/l	99
31) Cyclohexane	7.985	56	128549	18.468	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	141724	20.034	ug/l	98
36) 1,1-Dichloropropene	8.109	75	122826	20.046	ug/l	98
37) Ethyl Acetate	7.291	43	36336	17.850	ug/l	99
38) Carbon Tetrachloride	8.091	117	128997	20.118	ug/l	96
39) Methylcyclohexane	9.350	83	128184	18.193	ug/l	92
40) Benzene	8.344	78	362033	20.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	18486m	17.609	ug/l	
42) 1,2-Dichloroethane	8.420	62	94014	20.130	ug/l	99
43) Isopropyl Acetate	8.444	43	68146	18.270	ug/l	94
44) Trichloroethene	9.114	130	91146	20.468	ug/l	97
45) 1,2-Dichloropropane	9.385	63	92169	19.999	ug/l	93
46) Dibromomethane	9.473	93	46660	19.726	ug/l	98
47) Bromodichloromethane	9.656	83	120167	19.686	ug/l	93
48) Methyl methacrylate	9.450	41	30119	17.226	ug/l #	84
49) 1,4-Dioxane	9.456	88	8468	352.303	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	183395	95.301	ug/l	99
52) Toluene	10.397	92	228780	20.621	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	104491	19.558	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	125278	19.477	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	66311	20.578	ug/l	96
56) Ethyl methacrylate	10.655	69	63880	17.515	ug/l	98
57) 1,3-Dichloropropane	10.938	76	108622	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	152836	98.438	ug/l	98
59) 2-Hexanone	10.979	43	121237	84.498	ug/l	96
60) Dibromochloromethane	11.132	129	78183	20.140	ug/l	98
61) 1,2-Dibromoethane	11.238	107	57578	19.190	ug/l	98
64) Tetrachloroethene	10.873	164	71840	20.135	ug/l	94
65) Chlorobenzene	11.661	112	234818	19.791	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	86451	19.586	ug/l	97
67) Ethyl Benzene	11.738	91	399563	19.515	ug/l	98
68) m/p-Xylenes	11.844	106	321564	39.881	ug/l	100
69) o-Xylene	12.173	106	139805	19.494	ug/l	100
70) Styrene	12.185	104	255235	20.200	ug/l	99
71) Bromoform	12.349	173	40337	19.466	ug/l #	96
73) Isopropylbenzene	12.473	105	368595	18.627	ug/l	100
74) N-amyl acetate	12.279	43	67784	18.177	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	74318	19.210	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	54502m	22.185	ug/l	
77) Bromobenzene	12.749	156	87052	19.678	ug/l	96
78) n-propylbenzene	12.808	91	488421	19.504	ug/l	99
79) 2-Chlorotoluene	12.897	91	286076	19.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	332622	19.709	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	19315	17.455	ug/l	96
82) 4-Chlorotoluene	12.991	91	301298	19.620	ug/l	97
83) tert-Butylbenzene	13.214	119	261568	18.753	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	332169	19.782	ug/l	98
85) sec-Butylbenzene	13.391	105	408737	18.904	ug/l	99
86) p-Isopropyltoluene	13.502	119	337578	19.115	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	185130	19.928	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	181864	19.746	ug/l	98
89) n-Butylbenzene	13.832	91	318985	18.920	ug/l	99
90) Hexachloroethane	14.096	117	75739	19.836	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	160043	20.203	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11103	19.877	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	80683	18.920	ug/l	99
94) Hexachlorobutadiene	15.249	225	54012	20.043	ug/l	99
95) Naphthalene	15.385	128	133032	17.176	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	69935	18.618	ug/l	97

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

