

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070631.D
 Acq On : 08 Oct 2021 11:34
 Operator : VA/SY
 Sample : VD1008SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2021 2:06:55 PM

Quant Time: Oct 08 18:11:32 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	318623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	569142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	554253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197792	52.748	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.500%	
35) Dibromofluoromethane	7.914	113	201438	53.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.460%	
50) Toluene-d8	10.338	98	776045	53.647	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.300%	
62) 4-Bromofluorobenzene	12.626	95	267208	55.268	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.540%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	75627	19.461	ug/l	97
3) Chloromethane	2.209	50	94490	19.583	ug/l	94
4) Vinyl Chloride	2.350	62	106292	19.879	ug/l	99
5) Bromomethane	2.750	94	73046	20.379	ug/l	93
6) Chloroethane	2.915	64	63791	18.685	ug/l	88
7) Trichlorofluoromethane	3.268	101	137954	19.908	ug/l	88
8) Diethyl Ether	3.709	74	34986	19.405	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	85450	20.347	ug/l	98
10) Methyl Iodide	4.303	142	73800	17.672	ug/l	95
11) Tert butyl alcohol	5.220	59	19249	103.626	ug/l #	96
12) 1,1-Dichloroethene	4.067	96	74047	19.804	ug/l	90
13) Acrolein	3.920	56	17778	99.685	ug/l	98
14) Allyl chloride	4.715	41	100178	19.248	ug/l	98
15) Acrylonitrile	5.409	53	83082	106.216	ug/l	97
16) Acetone	4.156	43	62977	98.902	ug/l	99
17) Carbon Disulfide	4.409	76	262553	19.233	ug/l	98
18) Methyl Acetate	4.715	43	50256	20.453	ug/l	100
19) Methyl tert-butyl Ether	5.467	73	153078	20.551	ug/l	94
20) Methylene Chloride	4.962	84	107705	18.064	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	86757	19.727	ug/l	94
22) Diisopropyl ether	6.361	45	222046	20.767	ug/l	97
23) Vinyl Acetate	6.309	43	467934m	96.259	ug/l	
24) 1,1-Dichloroethane	6.256	63	158439	20.119	ug/l	96
25) 2-Butanone	7.208	43	83902	100.638	ug/l	99
26) 2,2-Dichloropropane	7.203	77	129312	19.841	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	93077	20.140	ug/l	98
28) Bromochloromethane	7.544	49	51994	18.963	ug/l	99
29) Tetrahydrofuran	7.561	42	55242	102.801	ug/l	99
30) Chloroform	7.703	83	172243	21.026	ug/l	93
31) Cyclohexane	7.985	56	132239	19.046	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	145229	20.581	ug/l	98
36) 1,1-Dichloropropene	8.108	75	123571	20.443	ug/l	100
37) Ethyl Acetate	7.291	43	38942	19.392	ug/l	97
38) Carbon Tetrachloride	8.091	117	129797	20.519	ug/l	97
39) Methylcyclohexane	9.350	83	131983	18.988	ug/l	95
40) Benzene	8.344	78	363122	20.382	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	20281	19.582	ug/l	93
42) 1,2-Dichloroethane	8.426	62	96076	20.852	ug/l	98
43) Isopropyl Acetate	8.450	43	75064	20.399	ug/l	99
44) Trichloroethene	9.103	130	90345	20.565	ug/l	93
45) 1,2-Dichloropropane	9.385	63	92107	20.258	ug/l	96
46) Dibromomethane	9.473	93	47678	20.431	ug/l	98
47) Bromodichloromethane	9.655	83	123323	20.479	ug/l	97
48) Methyl methacrylate	9.450	41	36066	20.908	ug/l	95
49) 1,4-Dioxane	9.455	88	9586	404.258	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	195730	103.099	ug/l	99
52) Toluene	10.397	92	234130	21.392	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	106979	20.297	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	129098	20.344	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	67577	21.257	ug/l	96
56) Ethyl methacrylate	10.655	69	69362	19.140	ug/l	98
57) 1,3-Dichloropropane	10.938	76	113943	21.069	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	160165	104.566	ug/l	99
59) 2-Hexanone	10.979	43	132458	93.977	ug/l	98
60) Dibromochloromethane	11.132	129	81772	21.352	ug/l	99
61) 1,2-Dibromoethane	11.238	107	64204	21.690	ug/l	93
64) Tetrachloroethene	10.867	164	73618	20.714	ug/l	95
65) Chlorobenzene	11.661	112	241251	20.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	92070	20.941	ug/l	99
67) Ethyl Benzene	11.738	91	405401	19.878	ug/l	100
68) m/p-Xylenes	11.844	106	330353	41.130	ug/l	98
69) o-Xylene	12.173	106	143706	20.116	ug/l	98
70) Styrene	12.185	104	254035	20.183	ug/l	99
71) Bromoform	12.349	173	44019	21.326	ug/l #	98
73) Isopropylbenzene	12.473	105	375866	18.925	ug/l	100
74) N-amyl acetate	12.279	43	72475	19.364	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	81786	21.063	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	50695m	20.560	ug/l	
77) Bromobenzene	12.755	156	88480	19.928	ug/l	98
78) n-propylbenzene	12.808	91	492603	19.600	ug/l	100
79) 2-Chlorotoluene	12.896	91	291151	19.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	338526	19.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20656	18.599	ug/l	97
82) 4-Chlorotoluene	12.996	91	309170	20.059	ug/l	100
83) tert-Butylbenzene	13.214	119	269021	19.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	334227	19.832	ug/l	98
85) sec-Butylbenzene	13.391	105	423007	19.493	ug/l	98
86) p-Isopropyltoluene	13.502	119	343936	19.404	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	185574	19.903	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	185533	20.071	ug/l	98
89) n-Butylbenzene	13.832	91	322085	19.035	ug/l	100
90) Hexachloroethane	14.096	117	75219	19.628	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	161981	20.374	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10855	19.363	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	86908	20.305	ug/l	98
94) Hexachlorobutadiene	15.249	225	55378	20.475	ug/l	98
95) Naphthalene	15.385	128	148552	18.829	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	74390	19.732	ug/l	98

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

