

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069253.D
 Acq On : 24 May 2021 13:55
 Operator : VA/SY
 Sample : VD0524SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:57:54 PM

Quant Time: May 25 00:54:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	271495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	451418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	419398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	225573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	142656	52.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.82%			
35) Dibromofluoromethane	7.914	113	150993	51.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.80%			
50) Toluene-d8	10.338	98	546732	50.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.30%			
62) 4-Bromofluorobenzene	12.626	95	179363	51.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	63493	22.00	ug/l	93
3) Chloromethane	2.209	50	71825	21.65	ug/l	99
4) Vinyl Chloride	2.344	62	99260	22.70	ug/l	100
5) Bromomethane	2.756	94	73928	22.48	ug/l	89
6) Chloroethane	2.915	64	65054	23.13	ug/l	94
7) Trichlorofluoromethane	3.267	101	114945	21.55	ug/l	99
8) Diethyl Ether	3.714	74	27282	22.40	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	65827	21.77	ug/l	98
10) Methyl Iodide	4.303	142	53079	17.48	ug/l	99
11) Tert butyl alcohol	5.220	59	23469	150.72	ug/l #	73
12) 1,1-Dichloroethene	4.067	96	57781	21.27	ug/l	94
13) Acrolein	3.920	56	16667	75.26	ug/l	93
14) Allyl chloride	4.709	41	62918	21.12	ug/l	98
15) Acrylonitrile	5.414	53	52294	115.05	ug/l	97
16) Acetone	4.156	43	46201	110.83	ug/l	98
17) Carbon Disulfide	4.409	76	193243	21.46	ug/l	98
18) Methyl Acetate	4.714	43	24894	24.58	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	109072	22.13	ug/l	99
20) Methylene Chloride	4.961	84	87769	20.53	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	69396	21.55	ug/l	95
22) Diisopropyl ether	6.361	45	135567	22.78	ug/l	98
23) Vinyl Acetate	6.308	43	381445	108.61	ug/l	97
24) 1,1-Dichloroethane	6.256	63	112886	21.96	ug/l	97
25) 2-Butanone	7.208	43	62970	111.48	ug/l	98
26) 2,2-Dichloropropane	7.208	77	103344	21.49	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	73067	20.89	ug/l	99
28) Bromochloromethane	7.550	49	40958	22.35	ug/l	97
29) Tetrahydrofuran	7.561	42	36448	118.70	ug/l	94
30) Chloroform	7.708	83	127419	22.01	ug/l	98
31) Cyclohexane	7.985	56	83340	20.66	ug/l	86
32) 1,1,1-Trichloroethane	7.902	97	114825	21.86	ug/l	99
36) 1,1-Dichloropropene	8.108	75	95975	21.87	ug/l	98
37) Ethyl Acetate	7.297	43	30992	21.98	ug/l #	93
38) Carbon Tetrachloride	8.097	117	102034	20.80	ug/l	94
39) Methylcyclohexane	9.355	83	91471	19.76	ug/l	97
40) Benzene	8.350	78	270839	21.54	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	14709	19.60	ug/l #	13
42) 1,2-Dichloroethane	8.426	62	74971	21.84	ug/l	100
43) Isopropyl Acetate	8.450	43	58649	22.90	ug/l	97
44) Trichloroethene	9.108	130	74176	21.11	ug/l	86
45) 1,2-Dichloropropane	9.391	63	63835	21.51	ug/l	95
46) Dibromomethane	9.473	93	38972	21.97	ug/l	99
47) Bromodichloromethane	9.661	83	98167	21.75	ug/l	94
48) Methyl methacrylate	9.455	41	24462	20.66	ug/l	93
49) 1,4-Dioxane	9.455	88	7644	432.34	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	148845	112.98	ug/l	99
52) Toluene	10.402	92	174738	21.54	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	85638	21.59	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	100650	21.23	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	51320	21.47	ug/l	98
56) Ethyl methacrylate	10.661	69	49916	19.95	ug/l	92
57) 1,3-Dichloropropane	10.944	76	87186	22.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	134194	113.38	ug/l	96
59) 2-Hexanone	10.985	43	100112	113.88	ug/l	96
60) Dibromochloromethane	11.138	129	65868	21.45	ug/l	97
61) 1,2-Dibromoethane	11.243	107	50132	21.22	ug/l	95
64) Tetrachloroethene	10.879	164	61388	21.06	ug/l	95
65) Chlorobenzene	11.667	112	187088	21.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	71714	21.88	ug/l	99
67) Ethyl Benzene	11.743	91	309630	20.70	ug/l	97
68) m/p-Xylenes	11.849	106	253421	43.23	ug/l	99
69) o-Xylene	12.179	106	109281	20.96	ug/l	97
70) Styrene	12.191	104	193162	21.22	ug/l	98
71) Bromoform	12.355	173	36301	21.29	ug/l #	98
73) Isopropylbenzene	12.479	105	293670	18.63	ug/l	100
74) N-amyl acetate	12.285	43	53367	20.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	59149	20.70	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	43196m	25.47	ug/l	
77) Bromobenzene	12.755	156	71987	19.24	ug/l	94
78) n-propylbenzene	12.814	91	376444	19.79	ug/l	100
79) 2-Chlorotoluene	12.902	91	209851	19.83	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	256663	19.75	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	16589	19.76	ug/l	96
82) 4-Chlorotoluene	13.002	91	221784	19.67	ug/l	100
83) tert-Butylbenzene	13.220	119	219261	20.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	260817	19.94	ug/l	99
85) sec-Butylbenzene	13.396	105	337145	20.70	ug/l	100
86) p-Isopropyltoluene	13.508	119	298873	20.88	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	158968	20.99	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	155508	20.74	ug/l	100
89) n-Butylbenzene	13.837	91	269827	20.24	ug/l	99
90) Hexachloroethane	14.102	117	55950	20.86	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	137221	21.10	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8653	19.51	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	71923	18.05	ug/l	97
94) Hexachlorobutadiene	15.261	225	45303	18.94	ug/l	96
95) Naphthalene	15.390	128	121800	17.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	64305	18.86	ug/l	98

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

