

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042021\
 Data File : VD068914.D
 Acq On : 20 Apr 2021 10:46
 Operator : VA/SY
 Sample : VD0420SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0420SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/21/2021 4:32:02 PM

Quant Time: Apr 21 08:05:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	146013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	247622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	245284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	123584	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	75206	48.74	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.48%		
35) Dibromofluoromethane	7.914	113	83780	52.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.04%		
50) Toluene-d8	10.338	98	338079	55.64	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.28%		
62) 4-Bromofluorobenzene	12.632	95	113373	56.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.36%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	28787	19.90	ug/l	96
3) Chloromethane	2.209	50	31459	18.49	ug/l	96
4) Vinyl Chloride	2.350	62	42843	20.05	ug/l	97
5) Bromomethane	2.756	94	33169	20.77	ug/l	97
6) Chloroethane	2.914	64	29647	21.11	ug/l	98
7) Trichlorofluoromethane	3.267	101	55622	22.12	ug/l	99
8) Diethyl Ether	3.703	74	13291	19.57	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	30548	20.13	ug/l	98
10) Methyl Iodide	4.308	142	26194	16.34	ug/l	98
11) Tert butyl alcohol	5.232	59	10505	111.72	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	28441	19.46	ug/l	88
13) Acrolein	3.914	56	4536	74.68	ug/l	96
14) Allyl chloride	4.708	41	29742	18.06	ug/l	95
15) Acrylonitrile	5.426	53	29063	95.37	ug/l	95
16) Acetone	4.156	43	18588	86.99	ug/l	92
17) Carbon Disulfide	4.408	76	88925	18.80	ug/l	98
18) Methyl Acetate	4.720	43	10630	18.11	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	65173	20.10	ug/l	91
20) Methylene Chloride	4.967	84	40266	20.42	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	38496	20.51	ug/l	95
22) Diisopropyl ether	6.361	45	79142	19.83	ug/l	97
23) Vinyl Acetate	6.308	43	198370	93.79	ug/l	96
24) 1,1-Dichloroethane	6.261	63	61713	20.51	ug/l	97
25) 2-Butanone	7.214	43	27940	92.40	ug/l	92
26) 2,2-Dichloropropane	7.208	77	51954	21.14	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	38616	20.70	ug/l	99
28) Bromochloromethane	7.544	49	18587	17.11	ug/l	88
29) Tetrahydrofuran	7.567	42	17719	87.13	ug/l	95
30) Chloroform	7.708	83	65104	19.77	ug/l	98
31) Cyclohexane	7.979	56	45495	17.72	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	57698	20.05	ug/l	98
36) 1,1-Dichloropropene	8.114	75	49617	19.80	ug/l	98
37) Ethyl Acetate	7.285	43	15510	21.07	ug/l	97
38) Carbon Tetrachloride	8.091	117	52266	21.06	ug/l	93
39) Methylcyclohexane	9.355	83	54413	18.62	ug/l	97
40) Benzene	8.349	78	140594	19.17	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	8415m	19.31	ug/l	
42) 1,2-Dichloroethane	8.426	62	37744	19.47	ug/l	99
43) Isopropyl Acetate	8.449	43	25919	17.27	ug/l	93
44) Trichloroethene	9.108	130	40436	19.96	ug/l	79
45) 1,2-Dichloropropane	9.385	63	32839	18.74	ug/l	99
46) Dibromomethane	9.473	93	19253	19.73	ug/l	90
47) Bromodichloromethane	9.661	83	50823	19.93	ug/l	92
48) Methyl methacrylate	9.461	41	13755	18.60	ug/l	96
49) 1,4-Dioxane	9.467	88	4232	409.59	ug/l	89
51) 4-Methyl-2-Pentanone	10.226	43	74864	98.97	ug/l	97
52) Toluene	10.402	92	90971	19.59	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	43008	19.03	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	56440	20.88	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	28977	21.00	ug/l	93
56) Ethyl methacrylate	10.661	69	25497	17.95	ug/l	98
57) 1,3-Dichloropropane	10.943	76	48251	21.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	57399	87.74	ug/l	96
59) 2-Hexanone	10.985	43	49141	97.09	ug/l	96
60) Dibromochloromethane	11.138	129	36961	21.36	ug/l	97
61) 1,2-Dibromoethane	11.243	107	28784	21.46	ug/l	99
64) Tetrachloroethene	10.873	164	33606	19.55	ug/l	89
65) Chlorobenzene	11.667	112	107282	20.20	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	37877	19.84	ug/l	98
67) Ethyl Benzene	11.743	91	168476	18.32	ug/l	96
68) m/p-Xylenes	11.849	106	134109	37.80	ug/l	97
69) o-Xylene	12.179	106	64489	19.99	ug/l	98
70) Styrene	12.190	104	113350	20.16	ug/l	99
71) Bromoform	12.355	173	21111	20.64	ug/l #	99
73) Isopropylbenzene	12.479	105	176227	19.53	ug/l	100
74) N-amyl acetate	12.285	43	26177	17.11	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	31269	18.54	ug/l	96
76) 1,2,3-Trichloropropane	12.779	75	20296m	17.98	ug/l	
77) Bromobenzene	12.755	156	43766	20.18	ug/l	98
78) n-propylbenzene	12.814	91	216588	19.76	ug/l	99
79) 2-Chlorotoluene	12.902	91	117867	19.25	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	150187	19.91	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	9475	19.48	ug/l	98
82) 4-Chlorotoluene	13.002	91	127024	19.57	ug/l	95
83) tert-Butylbenzene	13.220	119	121895	19.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	153350	20.13	ug/l	99
85) sec-Butylbenzene	13.396	105	177316	19.63	ug/l	100
86) p-Isopropyltoluene	13.508	119	159816	19.37	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	86866	20.21	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	86282	20.28	ug/l	100
89) n-Butylbenzene	13.837	91	149842	19.28	ug/l	99
90) Hexachloroethane	14.108	117	32664	19.88	ug/l	97
91) 1,2-Dichlorobenzene	13.884	146	74005	19.90	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	4681	18.26	ug/l	94
93) 1,2,4-Trichlorobenzene	15.155	180	44806	19.47	ug/l	99
94) Hexachlorobutadiene	15.261	225	26697	20.26	ug/l	99
95) Naphthalene	15.396	128	74399	18.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	39044	19.40	ug/l	97

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

