

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062986.D
 Acq On : 1 Jul 2019 13:25
 Operator : VA/AP
 Sample : VD0701SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS02

Quant Time: Jul 02 07:34:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	846968	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1054726	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	923544	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	545554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	436901	47.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	6.92	113	477112	53.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.40	98	1018077	52.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	13.55	95	440065	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	233462	21.301	ug/l	98
3) Chloromethane	1.74	50	162036	19.658	ug/l	98
4) Vinyl Chloride	1.84	62	159753	19.547	ug/l	97
5) Bromomethane	2.14	94	64136	16.757	ug/l	98
6) Chloroethane	2.25	64	74670	20.181	ug/l	99
7) Trichlorofluoromethane	2.52	101	341124	20.625	ug/l	93
8) Diethyl Ether	2.86	74	47399	22.555	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	170174	18.992	ug/l	89
10) Methyl Iodide	3.29	142	216573	18.320	ug/l	98
11) Tert butyl alcohol	4.08	59	47404	113.054	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	131303	19.534	ug/l	97
13) Acrolein	3.03	56	30077	70.264	ug/l	83
14) Allyl chloride	3.61	41	198940	20.030	ug/l	90
15) Acrylonitrile	4.19	53	104749	106.317	ug/l	98
16) Acetone	3.23	43	174211	88.801	ug/l #	90
17) Carbon Disulfide	3.36	76	409871	19.079	ug/l	97
18) Methyl Acetate	3.64	43	84267	30.321	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	310844	21.362	ug/l	95
20) Methylene Chloride	3.81	84	148611	21.166	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	145994	20.398	ug/l	79
22) Diisopropyl ether	5.12	45	436767	21.624	ug/l #	90
23) Vinyl Acetate	5.05	43	1307266	103.430	ug/l	99
24) 1,1-Dichloroethane	4.97	63	277446	21.097	ug/l	98
25) 2-Butanone	6.07	43	178542	103.690	ug/l	96
26) 2,2-Dichloropropane	6.01	77	295708	21.214	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	161220	21.301	ug/l	88
28) Bromochloromethane	6.42	49	101981	22.018	ug/l	89
29) Tetrahydrofuran	6.45	42	89423	109.764	ug/l	99
30) Chloroform	6.65	83	336744	21.055	ug/l	100
31) Cyclohexane	6.94	56	179542	20.767	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	355773	21.357	ug/l	91
36) 1,1-Dichloropropene	7.13	75	218752	21.909	ug/l	93
37) Ethyl Acetate	6.18	43	92606	21.451	ug/l #	94
38) Carbon Tetrachloride	7.09	117	343347	22.865	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	209085	23.790	ug/l	92
40) Benzene	7.44	78	440219	21.965	ug/l	92
41) Methacrylonitrile	6.44	41	121353	23.047	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	253577	23.193	ug/l	100
43) Isopropyl Acetate	9.23	43	118333	22.606	ug/l #	98
44) Trichloroethene	8.53	130	182569	23.236	ug/l	90
45) 1,2-Dichloropropane	8.94	63	112012	22.476	ug/l	99
46) Dibromomethane	9.05	93	95799	22.378	ug/l	93
47) Bromodichloromethane	9.37	83	250241	22.508	ug/l	97
48) Methyl methacrylate	9.11	41	88088	23.681	ug/l	91
49) 1,4-Dioxane	9.07	88	15225	491.962	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	423954	114.235	ug/l	96
52) Toluene	10.50	92	298985	22.193	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	203293	22.340	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	221158	22.360	ug/l #	93
55) 1,1,2-Trichloroethane	11.18	97	104518	22.581	ug/l #	88
56) Ethyl methacrylate	11.03	69	115276	23.305	ug/l	96
57) 1,3-Dichloropropane	11.40	76	162176	22.883	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.85	63	294656	116.032	ug/l	98
59) 2-Hexanone	11.52	43	319433	120.855	ug/l	99
60) Dibromochloromethane	11.68	129	195741	22.704	ug/l	98
61) 1,2-Dibromoethane	11.80	107	130544	23.881	ug/l	88
64) Tetrachloroethene	11.25	164	158349	20.833	ug/l	93
65) Chlorobenzene	12.39	112	368926	21.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	176296	21.994	ug/l	91
67) Ethyl Benzene	12.52	91	698748	22.707	ug/l	97
68) m/p-Xylenes	12.66	106	479020	44.693	ug/l	96
69) o-Xylene	13.04	106	209901	21.423	ug/l	88
70) Styrene	13.07	104	387578	22.521	ug/l	92
71) Bromoform	13.23	173	122659	22.335	ug/l #	88
73) Isopropylbenzene	13.39	105	713843	20.407	ug/l	100
74) N-amyl acetate	13.26	43	174411	20.532	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	109659	19.240	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	131970	20.954	ug/l	100
77) Bromobenzene	13.67	156	193197	20.534	ug/l	91
78) n-propylbenzene	13.77	91	851653	20.918	ug/l	98
79) 2-Chlorotoluene	13.84	91	480143	20.636	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	600815	20.449	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.46	75	32122	19.461	ug/l	83
82) 4-Chlorotoluene	13.95	91	604791	21.591	ug/l	96
83) tert-Butylbenzene	14.18	119	663061	20.246	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	577267	19.169	ug/l	96
85) sec-Butylbenzene	14.36	105	667604	18.755	ug/l	93
86) p-Isopropyltoluene	14.49	119	664262	20.399	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	349250	20.708	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	358808	21.181	ug/l	96
89) n-Butylbenzene	14.79	91	610302	20.024	ug/l	99
90) Hexachloroethane	15.01	117	177118	20.229	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	300894	20.852	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22984	20.661	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	227326	20.167	ug/l	99
94) Hexachlorobutadiene	16.03	225	164348	19.085	ug/l	90
95) Naphthalene	16.12	128	338333	21.415	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	195512	22.575	ug/l	99

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

