

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063270.D
 Acq On : 31 Jul 2019 11:16
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Quant Time: Aug 01 04:00:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1161020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1554472	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1326129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	694014	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	617804	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	6.92	113	642891	48.44	ug/l	0.02
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.41	98	1433942	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	13.55	95	620110	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	309700	21.822	ug/l	92
3) Chloromethane	1.75	50	225584	20.459	ug/l	92
4) Vinyl Chloride	1.84	62	236828	20.748	ug/l	97
5) Bromomethane	2.14	94	102018	17.721	ug/l	89
6) Chloroethane	2.25	64	101984	19.351	ug/l	90
7) Trichlorofluoromethane	2.52	101	439067	19.827	ug/l	99
8) Diethyl Ether	2.88	74	51919	16.752	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	248205	20.234	ug/l	98
10) Methyl Iodide	3.30	142	306469	17.295	ug/l	92
11) Tert butyl alcohol	4.09	59	54957	97.208	ug/l	97
12) 1,1-Dichloroethene	3.11	96	185128	20.558	ug/l	82
13) Acrolein	3.02	56	50739	93.254	ug/l	94
14) Allyl chloride	3.61	41	275338	19.193	ug/l	88
15) Acrylonitrile	4.20	53	148306	101.183	ug/l	87
16) Acetone	3.22	43	251611	100.242	ug/l	98
17) Carbon Disulfide	3.36	76	609222	20.212	ug/l	95
18) Methyl Acetate	3.64	43	92853	19.259	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	390343	19.189	ug/l	100
20) Methylene Chloride	3.80	84	192496	18.973	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	201948	19.986	ug/l	89
22) Diisopropyl ether	5.11	45	559930	19.536	ug/l	93
23) Vinyl Acetate	5.04	43	1803077	102.342	ug/l	100
24) 1,1-Dichloroethane	4.98	63	361304	19.735	ug/l	98
25) 2-Butanone	6.07	43	248294	98.567	ug/l	98
26) 2,2-Dichloropropane	6.02	77	362277	19.202	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	212335	19.600	ug/l	93
28) Bromochloromethane	6.42	49	137566	18.860	ug/l	89
29) Tetrahydrofuran	6.46	42	116249	97.472	ug/l	99
30) Chloroform	6.66	83	452550	19.919	ug/l	97
31) Cyclohexane	6.94	56	220571	19.221	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	426487	19.407	ug/l	99
36) 1,1-Dichloropropene	7.13	75	296434	20.895	ug/l	98
37) Ethyl Acetate	6.18	43	131767	20.674	ug/l #	95
38) Carbon Tetrachloride	7.10	117	452666	21.195	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	232609	19.680	ug/l	92
40) Benzene	7.44	78	611141	20.555	ug/l	99
41) Methacrylonitrile	6.45	41	149852	19.656	ug/l #	78
42) 1,2-Dichloroethane	7.57	62	328997	20.879	ug/l	96
43) Isopropyl Acetate	9.24	43	171756	21.097	ug/l #	96
44) Trichloroethene	8.54	130	244380	20.284	ug/l	90
45) 1,2-Dichloropropane	8.93	63	146201	19.346	ug/l	92
46) Dibromomethane	9.06	93	127532	20.296	ug/l	93
47) Bromodichloromethane	9.37	83	327235	20.429	ug/l	97
48) Methyl methacrylate	9.12	41	111749	21.164	ug/l	93
49) 1,4-Dioxane	9.08	88	21361	475.403	ug/l #	67
51) 4-Methyl-2-Pentanone	10.30	43	590193	106.594	ug/l	95
52) Toluene	10.51	92	422180	21.349	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	280797	20.334	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	296823	20.452	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	134972	20.209	ug/l	93
56) Ethyl methacrylate	11.04	69	158627	21.690	ug/l	95
57) 1,3-Dichloropropane	11.40	76	208405	19.805	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	371130	97.526	ug/l	98
59) 2-Hexanone	11.53	43	420287	105.333	ug/l	98
60) Dibromochloromethane	11.68	129	254387	20.176	ug/l	96
61) 1,2-Dibromoethane	11.81	107	172593	20.943	ug/l	98
64) Tetrachloroethene	11.25	164	214796	20.331	ug/l	95
65) Chlorobenzene	12.40	112	510081	19.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	231162	20.574	ug/l	97
67) Ethyl Benzene	12.51	91	879421	20.295	ug/l	97
68) m/p-Xylenes	12.66	106	603794	37.996	ug/l	93
69) o-Xylene	13.05	106	287541	19.704	ug/l	93
70) Styrene	13.07	104	538263	20.799	ug/l	98
71) Bromoform	13.23	173	166299	20.353	ug/l	98
73) Isopropylbenzene	13.40	105	935609	21.479	ug/l	97
74) N-amyl acetate	13.26	43	228483	19.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	152941	20.670	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	171886	20.620	ug/l	97
77) Bromobenzene	13.67	156	253161	20.402	ug/l	89
78) n-propylbenzene	13.77	91	1028861	19.849	ug/l	93
79) 2-Chlorotoluene	13.83	91	627359	20.887	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	815835	21.716	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	44430	19.194	ug/l	94
82) 4-Chlorotoluene	13.94	91	776517	21.968	ug/l	97
83) tert-Butylbenzene	14.19	119	845802	19.717	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	684892	17.625	ug/l	100
85) sec-Butylbenzene	14.37	105	949439	21.008	ug/l	97
86) p-Isopropyltoluene	14.48	119	860164	19.941	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	452750	20.603	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	429376	19.323	ug/l	97
89) n-Butylbenzene	14.80	91	811981	21.794	ug/l	98
90) Hexachloroethane	15.01	117	222752	19.820	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	406661	21.240	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28917	19.187	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	300007	19.752	ug/l	98
94) Hexachlorobutadiene	16.03	225	221075	20.085	ug/l	89
95) Naphthalene	16.12	128	392675	18.292	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	233752	19.481	ug/l	98

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

