

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061021.D
 Acq On : 12 Mar 2019 13:51
 Operator : VA/AP
 Sample : VD0312SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Quant Time: Mar 13 04:07:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	717316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1265969	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1079444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	435488	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	270390	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
35) Dibromofluoromethane	6.92	113	432363	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	10.40	98	1076074	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.56	95	389992	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	159730	22.480	ug/l	98
3) Chloromethane	1.75	50	130748	22.089	ug/l	98
4) Vinyl Chloride	1.85	62	124341	22.734	ug/l	100
5) Bromomethane	2.15	94	18984	16.910	ug/l	90
6) Chloroethane	2.25	64	34068	20.810	ug/l	91
7) Trichlorofluoromethane	2.53	101	161765	20.588	ug/l	96
8) Diethyl Ether	2.87	74	55363	21.359	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	193065	21.979	ug/l	96
10) Methyl Iodide	3.31	142	233219	21.081	ug/l	98
11) Tert butyl alcohol	4.06	59	44996	118.375	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	162624	22.585	ug/l	86
13) Acrolein	3.03	56	49024	89.136	ug/l	95
14) Allyl chloride	3.61	41	235196	20.415	ug/l	99
15) Acrylonitrile	4.19	53	147921	110.106	ug/l	97
16) Acetone	3.22	43	219173	128.366	ug/l	94
17) Carbon Disulfide	3.38	76	496542	20.443	ug/l	99
18) Methyl Acetate	3.63	43	63640	18.940	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	276859	21.940	ug/l	98
20) Methylene Chloride	3.81	84	184290	20.964	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	172328	22.112	ug/l	96
22) Diisopropyl ether	5.12	45	491189	20.538	ug/l	98
23) Vinyl Acetate	5.05	43	1307643	106.512	ug/l	100
24) 1,1-Dichloroethane	4.98	63	278862	21.282	ug/l	99
25) 2-Butanone	6.06	43	203799	105.190	ug/l	99
26) 2,2-Dichloropropane	6.02	77	219290	21.438	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	183957	22.247	ug/l	95
28) Bromochloromethane	6.44	49	103783	18.709	ug/l	97
29) Tetrahydrofuran	6.45	42	105029	99.835	ug/l	97
30) Chloroform	6.66	83	289125	21.290	ug/l	98
31) Cyclohexane	6.95	56	232282	21.985	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	243782	20.763	ug/l	98
36) 1,1-Dichloropropene	7.15	75	211193	19.353	ug/l	99
37) Ethyl Acetate	6.18	43	98103	19.158	ug/l	98
38) Carbon Tetrachloride	7.11	117	232873	19.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	223692	19.769	ug/l	98
40) Benzene	7.45	78	560611	20.560	ug/l	98
41) Methacrylonitrile	6.44	41	116466	19.773	ug/l	98
42) 1,2-Dichloroethane	7.57	62	161703	20.435	ug/l	95
43) Isopropyl Acetate	9.23	43	137902	19.443	ug/l #	97
44) Trichloroethene	8.53	130	197020	20.944	ug/l	93
45) 1,2-Dichloropropane	8.94	63	147993	20.659	ug/l	98
46) Dibromomethane	9.06	93	87318	19.215	ug/l	95
47) Bromodichloromethane	9.37	83	207336	20.219	ug/l	95
48) Methyl methacrylate	9.12	41	82155	20.573	ug/l	99
49) 1,4-Dioxane	9.08	88	16552	409.905	ug/l #	96
51) 4-Methyl-2-Pentanone	10.30	43	438232	100.857	ug/l	99
52) Toluene	10.50	92	331135	19.529	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	199004	21.224	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	228195	20.255	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	117262	20.766	ug/l	97
56) Ethyl methacrylate	11.04	69	112326	19.005	ug/l	99
57) 1,3-Dichloropropane	11.41	76	174963	20.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	299128	95.612	ug/l	99
59) 2-Hexanone	11.53	43	346614	109.053	ug/l	99
60) Dibromochloromethane	11.68	129	162603	19.566	ug/l	99
61) 1,2-Dibromoethane	11.80	107	131267	19.984	ug/l	98
64) Tetrachloroethene	11.25	164	146672	20.129	ug/l	93
65) Chlorobenzene	12.39	112	447067	21.126	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	158212	20.974	ug/l	96
67) Ethyl Benzene	12.52	91	643958	20.440	ug/l	100
68) m/p-Xylenes	12.67	106	504861	40.829	ug/l	100
69) o-Xylene	13.04	106	234982	19.333	ug/l	94
70) Styrene	13.07	104	386222	19.460	ug/l	98
71) Bromoform	13.23	173	97445	20.025	ug/l	95
73) Isopropylbenzene	13.40	105	702261	22.376	ug/l	99
74) N-amyl acetate	13.26	43	179863	20.353	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	124511	20.334	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	135344	21.602	ug/l	96
77) Bromobenzene	13.66	156	182055	22.724	ug/l	84
78) n-propylbenzene	13.77	91	848538	23.095	ug/l	96
79) 2-Chlorotoluene	13.84	91	438593	21.683	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	526745	22.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	40184	21.755	ug/l	100
82) 4-Chlorotoluene	13.95	91	495203	20.708	ug/l	96
83) tert-Butylbenzene	14.19	119	623230	23.902	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	526745	22.108	ug/l	100
85) sec-Butylbenzene	14.36	105	725201	22.782	ug/l	97
86) p-Isopropyltoluene	14.49	119	620155	23.834	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	333150	23.288	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	304149	21.635	ug/l	98
89) n-Butylbenzene	14.80	91	535507	21.431	ug/l	98
90) Hexachloroethane	15.00	117	157163	21.391	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	269194	22.572	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14812	20.073	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	121946	22.042	ug/l	98
94) Hexachlorobutadiene	16.04	225	91953	21.973	ug/l	98
95) Naphthalene	16.12	128	198139	23.567	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	62209	22.766	ug/l	97

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

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