

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061139.D
 Acq On : 18 Mar 2019 12:24
 Operator : VA/AP
 Sample : VD0318SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS01

Quant Time: Mar 19 02:14:19 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	7.04	168	699423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1101943	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	950881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	418983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	275783	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
35) Dibromofluoromethane	6.92	113	439921	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.40	98	1071684	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	13.55	95	401194	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	122480	17.678	ug/l	99
3) Chloromethane	1.77	50	105234	18.234	ug/l	96
4) Vinyl Chloride	1.86	62	93957	17.618	ug/l	96
5) Bromomethane	2.16	94	17541	15.932	ug/l	95
6) Chloroethane	2.27	64	25122	15.738	ug/l	100
7) Trichlorofluoromethane	2.53	101	130858	17.081	ug/l	97
8) Diethyl Ether	2.88	74	46120	18.248	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	159357	18.605	ug/l	95
10) Methyl Iodide	3.31	142	164171	16.035	ug/l	100
11) Tert butyl alcohol	4.07	59	31028	83.716	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	124325	17.708	ug/l	95
13) Acrolein	3.04	56	32006	59.682	ug/l	98
14) Allyl chloride	3.63	41	192442	17.132	ug/l	99
15) Acrylonitrile	4.20	53	117311	89.555	ug/l	99
16) Acetone	3.22	43	165563	99.448	ug/l	97
17) Carbon Disulfide	3.38	76	397264	16.774	ug/l	99
18) Methyl Acetate	3.65	43	54793	16.724	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	243475	19.788	ug/l	98
20) Methylene Chloride	3.81	84	141410	15.402	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	141891	18.672	ug/l	95
22) Diisopropyl ether	5.12	45	425577	18.250	ug/l	96
23) Vinyl Acetate	5.05	43	1133210	94.665	ug/l	99
24) 1,1-Dichloroethane	4.98	63	225410	17.642	ug/l	99
25) 2-Butanone	6.07	43	179255	94.888	ug/l	99
26) 2,2-Dichloropropane	6.02	77	187495	18.798	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	151191	18.752	ug/l	96
28) Bromochloromethane	6.43	49	94282	17.431	ug/l	90
29) Tetrahydrofuran	6.45	42	88112	85.897	ug/l	97
30) Chloroform	6.67	83	242869	18.341	ug/l	98
31) Cyclohexane	6.95	56	189820	18.425	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	220691	19.277	ug/l	96
36) 1,1-Dichloropropene	7.14	75	194181	20.443	ug/l	98
37) Ethyl Acetate	6.18	43	84042	18.855	ug/l	99
38) Carbon Tetrachloride	7.11	117	216665	20.708	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	197042	20.006	ug/l	96
40) Benzene	7.46	78	465097	19.596	ug/l	98
41) Methacrylonitrile	6.44	41	96077	18.740	ug/l	98
42) 1,2-Dichloroethane	7.57	62	143630	20.853	ug/l	100
43) Isopropyl Acetate	9.24	43	118835	19.249	ug/l #	99
44) Trichloroethene	8.54	130	170265	20.794	ug/l	99
45) 1,2-Dichloropropane	8.93	63	127169	20.394	ug/l	96
46) Dibromomethane	9.06	93	78268	19.788	ug/l	99
47) Bromodichloromethane	9.36	83	180361	20.207	ug/l	99
48) Methyl methacrylate	9.12	41	67938	19.545	ug/l	98
49) 1,4-Dioxane	9.08	88	14497	412.453	ug/l #	93
51) 4-Methyl-2-Pentanone	10.29	43	347924	91.992	ug/l	99
52) Toluene	10.50	92	287056	19.449	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	159687	19.566	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	200676	20.464	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	99569	20.258	ug/l	96
56) Ethyl methacrylate	11.04	69	104572	20.326	ug/l	99
57) 1,3-Dichloropropane	11.40	76	152692	20.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	271563	99.722	ug/l	95
59) 2-Hexanone	11.52	43	274700	99.292	ug/l	99
60) Dibromochloromethane	11.68	129	155159	21.450	ug/l	100
61) 1,2-Dibromoethane	11.80	107	119102	20.831	ug/l	99
64) Tetrachloroethene	11.25	164	131168	20.435	ug/l	95
65) Chlorobenzene	12.39	112	379677	20.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	149245	22.461	ug/l	98
67) Ethyl Benzene	12.52	91	614404	22.139	ug/l	99
68) m/p-Xylenes	12.66	106	450705	41.377	ug/l	98
69) o-Xylene	13.05	106	199118	18.597	ug/l	99
70) Styrene	13.07	104	290550	16.619	ug/l	98
71) Bromoform	13.23	173	88068	20.545	ug/l	98
73) Isopropylbenzene	13.40	105	514841	17.050	ug/l	99
74) N-amyl acetate	13.26	43	158042	18.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	114100	19.368	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	108788	18.048	ug/l	98
77) Bromobenzene	13.67	156	159906	20.746	ug/l	98
78) n-propylbenzene	13.77	91	651665	18.435	ug/l	100
79) 2-Chlorotoluene	13.83	91	387955	19.935	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	462063	20.157	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33310	18.744	ug/l	98
82) 4-Chlorotoluene	13.94	91	438259	19.049	ug/l	100
83) tert-Butylbenzene	14.19	119	528298	21.059	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	462063	20.157	ug/l	98
85) sec-Butylbenzene	14.37	105	608380	19.865	ug/l	98
86) p-Isopropyltoluene	14.48	119	505243	20.183	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	272492	19.798	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	275779	20.390	ug/l	97
89) n-Butylbenzene	14.79	91	453341	18.858	ug/l	99
90) Hexachloroethane	15.01	117	128775	18.217	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	241817	21.075	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13246	18.658	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	105459	19.812	ug/l	95
94) Hexachlorobutadiene	16.03	225	80484	19.990	ug/l	98
95) Naphthalene	16.12	128	157309	19.448	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54108	20.581	ug/l	94

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

