

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061239.D
 Acq On : 21 Mar 2019 12:41
 Operator : VA/AP
 Sample : VD0321SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Quant Time: Mar 22 04:29:13 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	7.07	168	655255	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1084663	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	888177	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	403395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	277434	50.87	ug/l	0.02
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	6.94	113	411352	51.10	ug/l	0.02
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.42	98	986987	48.83	ug/l	0.02
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	13.56	95	376231	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	124571	19.192	ug/l	97
3) Chloromethane	1.76	50	112974	20.894	ug/l	98
4) Vinyl Chloride	1.87	62	103477	20.711	ug/l	97
5) Bromomethane	2.17	94	17599	17.189	ug/l #	90
6) Chloroethane	2.28	64	29643	19.822	ug/l #	86
7) Trichlorofluoromethane	2.54	101	151911	21.166	ug/l	97
8) Diethyl Ether	2.90	74	49279	20.813	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.17	101	166740	20.780	ug/l	96
10) Methyl Iodide	3.33	142	178648	18.152	ug/l	96
11) Tert butyl alcohol	4.08	59	36267	104.447	ug/l	95
12) 1,1-Dichloroethene	3.14	96	131538	19.998	ug/l	100
13) Acrolein	3.05	56	26542	52.830	ug/l	85
14) Allyl chloride	3.65	41	203886	19.374	ug/l	93
15) Acrylonitrile	4.22	53	125191	102.012	ug/l	97
16) Acetone	3.24	43	159129	102.026	ug/l	97
17) Carbon Disulfide	3.40	76	382639	17.246	ug/l	100
18) Methyl Acetate	3.65	43	59508	19.387	ug/l #	86
19) Methyl tert-butyl Ether	4.26	73	251236	21.795	ug/l	99
20) Methylene Chloride	3.83	84	168828	21.039	ug/l	96
21) trans-1,2-Dichloroethene	4.25	96	144613	20.313	ug/l	92
22) Diisopropyl ether	5.14	45	435184	19.920	ug/l	97
23) Vinyl Acetate	5.08	43	1145062	102.103	ug/l	99
24) 1,1-Dichloroethane	5.01	63	237674	19.856	ug/l	97
25) 2-Butanone	6.09	43	188974	106.776	ug/l	95
26) 2,2-Dichloropropane	6.05	77	198225	21.214	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	157828	20.895	ug/l	99
28) Bromochloromethane	6.46	49	90046	17.770	ug/l	92
29) Tetrahydrofuran	6.47	42	91802	95.527	ug/l	95
30) Chloroform	6.69	83	258257	20.818	ug/l	99
31) Cyclohexane	6.97	56	183955	19.060	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	224333	20.916	ug/l	97
36) 1,1-Dichloropropene	7.16	75	196889	21.058	ug/l	98
37) Ethyl Acetate	6.20	43	86714	19.764	ug/l	96
38) Carbon Tetrachloride	7.13	117	226463	21.989	ug/l	98

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39) Methylcyclohexane	8.88	83	205998	21.248	ug/l	97
40) Benzene	7.47	78	490783	21.007	ug/l	99
41) Methacrylonitrile	6.47	41	98536	19.525	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	147232	21.717	ug/l	100
43) Isopropyl Acetate	9.25	43	125409	20.637	ug/l #	98
44) Trichloroethene	8.56	130	176144	21.854	ug/l	96
45) 1,2-Dichloropropane	8.95	63	129913	21.166	ug/l	95
46) Dibromomethane	9.08	93	86264	22.157	ug/l	97
47) Bromodichloromethane	9.38	83	190426	21.674	ug/l	95
48) Methyl methacrylate	9.14	41	71725	20.963	ug/l	91
49) 1,4-Dioxane	9.09	88	15245	440.645	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	388432	104.339	ug/l	97
52) Toluene	10.52	92	291918	20.094	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	162638	20.245	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	206296	21.372	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	106588	22.031	ug/l	97
56) Ethyl methacrylate	11.05	69	110452	21.811	ug/l	97
57) 1,3-Dichloropropane	11.42	76	153314	21.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	268298	100.093	ug/l	100
59) 2-Hexanone	11.54	43	301019	110.538	ug/l	96
60) Dibromochloromethane	11.70	129	162342	22.800	ug/l	99
61) 1,2-Dibromoethane	11.82	107	123873	22.010	ug/l	95
64) Tetrachloroethene	11.26	164	128696	21.465	ug/l	97
65) Chlorobenzene	12.41	112	377230	21.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	141003	22.718	ug/l	99
67) Ethyl Benzene	12.53	91	576050	22.222	ug/l	100
68) m/p-Xylenes	12.67	106	478478	47.028	ug/l	99
69) o-Xylene	13.06	106	201083	20.106	ug/l	93
70) Styrene	13.08	104	330766	20.254	ug/l	97
71) Bromoform	13.24	173	90107	22.505	ug/l	94
73) Isopropylbenzene	13.41	105	582020	20.020	ug/l	99
74) N-amyl acetate	13.27	43	152209	18.594	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	113014	19.925	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	120874	20.828	ug/l	98
77) Bromobenzene	13.68	156	150188	20.238	ug/l	96
78) n-propylbenzene	13.77	91	679252	19.958	ug/l	97
79) 2-Chlorotoluene	13.84	91	405500	21.641	ug/l	99
80) 1,3,5-Trimethylbenzene	14.25	105	491954	22.290	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	32546	19.022	ug/l	96
82) 4-Chlorotoluene	13.95	91	445611	20.117	ug/l	98
83) tert-Butylbenzene	14.20	119	566190	23.441	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	491954	22.290	ug/l	96
85) sec-Butylbenzene	14.38	105	626866	21.259	ug/l	100
86) p-Isopropyltoluene	14.49	119	520586	21.599	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	275912	20.821	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	264378	20.302	ug/l	99
89) n-Butylbenzene	14.80	91	458505	19.809	ug/l	98
90) Hexachloroethane	15.02	117	142181	20.891	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	232415	21.038	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12325	18.032	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	94032	18.348	ug/l	99
94) Hexachlorobutadiene	16.04	225	73076	18.852	ug/l	98
95) Naphthalene	16.13	128	142056	18.241	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	41235	16.291	ug/l	91

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

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