

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062857.D
 Acq On : 25 Jun 2019 1:10
 Operator : VA/AP
 Sample : VD0624SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

Quant Time: Jun 25 02:14:04 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	7.05	168	803599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1173303	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1010086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	543749	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	505408	57.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.72%		
35) Dibromofluoromethane	6.93	113	485578	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.16%		
50) Toluene-d8	10.42	98	1023619	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.08%		
62) 4-Bromofluorobenzene	13.56	95	460791	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	203918	19.610	ug/l	99
3) Chloromethane	1.74	50	162312	20.754	ug/l	97
4) Vinyl Chloride	1.84	62	143027	18.445	ug/l	90
5) Bromomethane	2.14	94	54425	14.988	ug/l	95
6) Chloroethane	2.26	64	63786	18.170	ug/l #	76
7) Trichlorofluoromethane	2.52	101	283341	18.056	ug/l	98
8) Diethyl Ether	2.87	74	44847	22.492	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	162331	19.094	ug/l #	86
10) Methyl Iodide	3.30	142	205904	18.358	ug/l	96
11) Tert butyl alcohol	4.09	59	41853	105.203	ug/l	98
12) 1,1-Dichloroethene	3.12	96	119672	18.764	ug/l	91
13) Acrolein	3.02	56	28832	70.990	ug/l	84
14) Allyl chloride	3.61	41	197275	20.934	ug/l	95
15) Acrylonitrile	4.20	53	106118	113.520	ug/l	91
16) Acetone	3.22	43	178799	96.646	ug/l	97
17) Carbon Disulfide	3.37	76	374396	18.368	ug/l	96
18) Methyl Acetate	3.64	43	85346	32.366	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	327716	23.737	ug/l	99
20) Methylene Chloride	3.81	84	149817	22.489	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	131207	19.321	ug/l	96
22) Diisopropyl ether	5.13	45	436781	22.791	ug/l #	93
23) Vinyl Acetate	5.05	43	1281375	106.852	ug/l	99
24) 1,1-Dichloroethane	4.98	63	253144	20.288	ug/l	98
25) 2-Butanone	6.08	43	194909	119.304	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	236340	17.870	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	166886	23.239	ug/l	94
28) Bromochloromethane	6.44	49	100210	22.803	ug/l	100
29) Tetrahydrofuran	6.47	42	92604	119.803	ug/l	95
30) Chloroform	6.67	83	321615	21.194	ug/l	96
31) Cyclohexane	6.96	56	161570	19.697	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	313173	19.814	ug/l	94
36) 1,1-Dichloropropene	7.15	75	209819	18.891	ug/l	96
37) Ethyl Acetate	6.19	43	97237	20.184	ug/l	96
38) Carbon Tetrachloride	7.11	117	312691	18.719	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	168861	17.272	ug/l	93
40) Benzene	7.45	78	461801	20.713	ug/l	96
41) Methacrylonitrile	6.46	41	124835	21.312	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	263237	21.643	ug/l	97
43) Isopropyl Acetate	9.25	43	130945	22.488	ug/l #	99
44) Trichloroethene	8.55	130	172857	19.776	ug/l	79
45) 1,2-Dichloropropane	8.94	63	111019	20.026	ug/l	98
46) Dibromomethane	9.07	93	93947	19.728	ug/l #	84
47) Bromodichloromethane	9.38	83	248098	20.060	ug/l	99
48) Methyl methacrylate	9.13	41	82562	19.952	ug/l	91
49) 1,4-Dioxane	9.09	88	17579	510.620	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	466261	112.938	ug/l	97
52) Toluene	10.52	92	288867	19.275	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	212547	20.996	ug/l	91
54) cis-1,3-Dichloropropene	10.04	75	228401	20.758	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	114518	22.241	ug/l	96
56) Ethyl methacrylate	11.05	69	127765	23.219	ug/l	92
57) 1,3-Dichloropropane	11.41	76	165518	20.995	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	310757	110.005	ug/l	93
59) 2-Hexanone	11.54	43	327030	111.225	ug/l	96
60) Dibromochloromethane	11.69	129	206715	21.554	ug/l	93
61) 1,2-Dibromoethane	11.81	107	132298	21.756	ug/l	95
64) Tetrachloroethene	11.26	164	177631	21.367	ug/l	98
65) Chlorobenzene	12.41	112	354466	18.909	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	172687	19.698	ug/l	93
67) Ethyl Benzene	12.52	91	639928	19.013	ug/l	97
68) m/p-Xylenes	12.67	106	450848	38.461	ug/l	97
69) o-Xylene	13.06	106	211209	19.710	ug/l	96
70) Styrene	13.07	104	358820	19.064	ug/l	94
71) Bromoform	13.23	173	119904	19.962	ug/l #	87
73) Isopropylbenzene	13.41	105	657764	18.866	ug/l	95
74) N-amyl acetate	13.27	43	174721	20.636	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	118733	20.902	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	126736	20.190	ug/l	93
77) Bromobenzene	13.68	156	175511	18.716	ug/l	95
78) n-propylbenzene	13.77	91	747480	18.421	ug/l	97
79) 2-Chlorotoluene	13.84	91	471979	20.353	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	495934	16.935	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	31348	19.055	ug/l	97
82) 4-Chlorotoluene	13.95	91	481493	17.246	ug/l	98
83) tert-Butylbenzene	14.20	119	619939	18.992	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	566703	18.880	ug/l	97
85) sec-Butylbenzene	14.36	105	645782	18.203	ug/l	96
86) p-Isopropyltoluene	14.49	119	596258	18.371	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	318110	18.924	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	316261	18.732	ug/l	96
89) n-Butylbenzene	14.80	91	542381	17.854	ug/l	97
90) Hexachloroethane	15.01	117	148957	17.069	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	301401	20.957	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24304	21.921	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	207205	18.443	ug/l	98
94) Hexachlorobutadiene	16.04	225	152757	17.798	ug/l	99
95) Naphthalene	16.13	128	335594	21.312	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	174789	20.249	ug/l	98

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

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