

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062872.D
 Acq On : 25 Jun 2019 12:04
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Quant Time: Jun 26 05:32:44 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	930568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1264944	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1055371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	570400	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	501283	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	6.93	113	523745	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.42	98	1133218	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	13.56	95	526446	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	263309	21.866	ug/l	96
3) Chloromethane	1.74	50	172077	19.001	ug/l	91
4) Vinyl Chloride	1.84	62	173357	19.306	ug/l	97
5) Bromomethane	2.15	94	60255	14.329	ug/l	90
6) Chloroethane	2.27	64	83633	20.573	ug/l	96
7) Trichlorofluoromethane	2.52	101	349979	19.259	ug/l	97
8) Diethyl Ether	2.88	74	46881	20.304	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	203954	20.717	ug/l #	85
10) Methyl Iodide	3.30	142	244271	18.807	ug/l	99
11) Tert butyl alcohol	4.10	59	42605	92.481	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	157202	21.286	ug/l	95
13) Acrolein	3.04	56	43676	92.866	ug/l	83
14) Allyl chloride	3.61	41	212754	19.496	ug/l	90
15) Acrylonitrile	4.20	53	115860	107.030	ug/l	94
16) Acetone	3.23	43	202759	94.495	ug/l	98
17) Carbon Disulfide	3.37	76	460267	19.500	ug/l	96
18) Methyl Acetate	3.64	43	87061	28.512	ug/l #	85
19) Methyl tert-butyl Ether	4.24	73	347129	21.712	ug/l	100
20) Methylene Chloride	3.81	84	167374	21.697	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	166417	21.163	ug/l	98
22) Diisopropyl ether	5.13	45	468302	21.102	ug/l #	96
23) Vinyl Acetate	5.06	43	1425990	102.687	ug/l	98
24) 1,1-Dichloroethane	4.99	63	295627	20.460	ug/l	99
25) 2-Butanone	6.09	43	199568	105.489	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	298486	19.490	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	171779	20.657	ug/l	91
28) Bromochloromethane	6.44	49	114094	22.420	ug/l	95
29) Tetrahydrofuran	6.47	42	93977	104.990	ug/l	98
30) Chloroform	6.68	83	362355	20.621	ug/l	89
31) Cyclohexane	6.96	56	195471	20.579	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	357571	19.537	ug/l	95
36) 1,1-Dichloropropene	7.15	75	244910	20.453	ug/l	91
37) Ethyl Acetate	6.19	43	100530	19.310	ug/l	96
38) Carbon Tetrachloride	7.12	117	356645	19.804	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	194987	18.499	ug/l	92
40) Benzene	7.46	78	497957	20.717	ug/l	99
41) Methacrylonitrile	6.47	41	134241	21.258	ug/l #	87
42) 1,2-Dichloroethane	7.58	62	262555	20.023	ug/l	98
43) Isopropyl Acetate	9.25	43	132487	21.104	ug/l #	96
44) Trichloroethene	8.55	130	184947	19.626	ug/l	89
45) 1,2-Dichloropropane	8.95	63	125365	20.975	ug/l	93
46) Dibromomethane	9.07	93	106203	20.686	ug/l	98
47) Bromodichloromethane	9.38	83	269433	20.207	ug/l	99
48) Methyl methacrylate	9.13	41	84211	18.876	ug/l	100
49) 1,4-Dioxane	9.09	88	15270	411.416	ug/l #	88
51) 4-Methyl-2-Pentanone	10.31	43	473364	106.352	ug/l	97
52) Toluene	10.52	92	341229	21.119	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	227671	20.861	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	235951	19.891	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	111136	20.021	ug/l	92
56) Ethyl methacrylate	11.05	69	120279	20.275	ug/l	97
57) 1,3-Dichloropropane	11.41	76	174802	20.566	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	335700	110.226	ug/l	95
59) 2-Hexanone	11.54	43	337021	106.319	ug/l	99
60) Dibromochloromethane	11.70	129	198734	19.221	ug/l	92
61) 1,2-Dibromoethane	11.81	107	135752	20.706	ug/l	98
64) Tetrachloroethene	11.26	164	178617	20.564	ug/l	97
65) Chlorobenzene	12.41	112	407141	20.787	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.52	131	182507	19.925	ug/l	91
67) Ethyl Benzene	12.53	91	717249	20.396	ug/l	98
68) m/p-Xylenes	12.67	106	528844	43.179	ug/l	96
69) o-Xylene	13.05	106	236993	21.167	ug/l	96
70) Styrene	13.07	104	405545	20.622	ug/l	97
71) Bromoform	13.24	173	128100	20.412	ug/l #	92
73) Isopropylbenzene	13.41	105	688042	18.813	ug/l	100
74) N-amyl acetate	13.27	43	186046	20.947	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	116340	19.524	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139349	21.162	ug/l	98
77) Bromobenzene	13.68	156	198271	20.155	ug/l	97
78) n-propylbenzene	13.77	91	839220	19.715	ug/l	92
79) 2-Chlorotoluene	13.84	91	477162	19.615	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	655720	21.345	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	33900	19.643	ug/l	92
82) 4-Chlorotoluene	13.95	91	628449	21.458	ug/l	94
83) tert-Butylbenzene	14.20	119	678467	19.814	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	657801	20.891	ug/l	95
85) sec-Butylbenzene	14.37	105	759203	20.400	ug/l	96
86) p-Isopropyltoluene	14.49	119	700846	20.585	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	353385	20.040	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	324480	18.321	ug/l	95
89) n-Butylbenzene	14.80	91	609746	19.134	ug/l	98
90) Hexachloroethane	15.01	117	167557	18.304	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	305661	20.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23562	20.258	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	246456	20.912	ug/l	95
94) Hexachlorobutadiene	16.04	225	176871	19.645	ug/l	96
95) Naphthalene	16.13	128	344103	20.831	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	185359	20.470	ug/l	98

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

