

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062721.D
 Acq On : 17 Jun 2019 12:45
 Operator : VA/AP
 Sample : VD0617SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Quant Time: Jun 17 13:13:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	775481	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1020765	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	883942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	485464	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	560630	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
35) Dibromofluoromethane	6.92	113	583352	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
50) Toluene-d8	10.40	98	1271023	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
62) 4-Bromofluorobenzene	13.55	95	527721	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	197438	20.371	ug/l	96
3) Chloromethane	1.75	50	161094	20.995	ug/l	92
4) Vinyl Chloride	1.85	62	164251	20.759	ug/l	100
5) Bromomethane	2.14	94	65883	16.496	ug/l	97
6) Chloroethane	2.26	64	70650	18.086	ug/l	94
7) Trichlorofluoromethane	2.53	101	349009	19.707	ug/l	96
8) Diethyl Ether	2.87	74	50597	21.006	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	179420	18.785	ug/l	94
10) Methyl Iodide	3.30	142	221870	18.728	ug/l	96
11) Tert butyl alcohol	4.09	59	45042	97.924	ug/l #	74
12) 1,1-Dichloroethene	3.12	96	128616	18.765	ug/l	90
13) Acrolein	3.04	56	12557	84.868	ug/l	84
14) Allyl chloride	3.61	41	210808	20.003	ug/l	90
15) Acrylonitrile	4.20	53	104268	99.755	ug/l	89
16) Acetone	3.23	43	212702	103.803	ug/l #	92
17) Carbon Disulfide	3.36	76	371835	18.409	ug/l	97
18) Methyl Acetate	3.64	43	69285	20.574	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	336047	20.102	ug/l	99
20) Methylene Chloride	3.81	84	140598	17.877	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	147094	19.564	ug/l	89
22) Diisopropyl ether	5.13	45	420875	19.233	ug/l #	95
23) Vinyl Acetate	5.06	43	1323044	97.456	ug/l	98
24) 1,1-Dichloroethane	4.98	63	267765	19.020	ug/l	97
25) 2-Butanone	6.08	43	193978	97.034	ug/l	95
26) 2,2-Dichloropropane	6.02	77	302198	18.626	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	160303	19.668	ug/l	98
28) Bromochloromethane	6.44	49	103791	19.287	ug/l	95
29) Tetrahydrofuran	6.47	42	88780	98.618	ug/l	97
30) Chloroform	6.66	83	360406	19.954	ug/l	96
31) Cyclohexane	6.95	56	173721	19.672	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	354502	19.724	ug/l	98
36) 1,1-Dichloropropene	7.14	75	220228	18.851	ug/l	99
37) Ethyl Acetate	6.19	43	95422	19.897	ug/l #	80
38) Carbon Tetrachloride	7.11	117	350170	18.963	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	179827	19.048	ug/l	92
40) Benzene	7.45	78	454824	19.935	ug/l	99
41) Methacrylonitrile	6.45	41	121724	19.904	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	259591	19.090	ug/l	98
43) Isopropyl Acetate	9.24	43	123165	19.981	ug/l #	93
44) Trichloroethene	8.53	130	186873	20.176	ug/l	98
45) 1,2-Dichloropropane	8.94	63	116757	21.306	ug/l	99
46) Dibromomethane	9.06	93	100068	20.571	ug/l	92
47) Bromodichloromethane	9.37	83	263782	19.934	ug/l	98
48) Methyl methacrylate	9.12	41	91917	20.640	ug/l	94
49) 1,4-Dioxane	9.08	88	14482	393.734	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	456090	105.741	ug/l	97
52) Toluene	10.50	92	314251	20.491	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	216552	19.960	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	236918	21.129	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	108833	20.693	ug/l	91
56) Ethyl methacrylate	11.04	69	110790	20.045	ug/l	93
57) 1,3-Dichloropropane	11.41	76	154999	19.015	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	312265	111.088	ug/l	92
59) 2-Hexanone	11.53	43	304915	95.035	ug/l	97
60) Dibromochloromethane	11.68	129	200184	19.282	ug/l	95
61) 1,2-Dibromoethane	11.80	107	126575	20.109	ug/l	95
64) Tetrachloroethene	11.25	164	162966	19.695	ug/l	89
65) Chlorobenzene	12.39	112	395951	20.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	184999	19.839	ug/l	97
67) Ethyl Benzene	12.52	91	701404	20.233	ug/l	98
68) m/p-Xylenes	12.67	106	506851	41.589	ug/l	99
69) o-Xylene	13.05	106	239143	21.366	ug/l	89
70) Styrene	13.07	104	405151	20.287	ug/l	95
71) Bromoform	13.23	173	130421	20.030	ug/l	98
73) Isopropylbenzene	13.40	105	766181	22.391	ug/l	99
74) N-amyl acetate	13.26	43	191639	20.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	122460	20.916	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	135505	20.586	ug/l	96
77) Bromobenzene	13.67	156	197933	20.238	ug/l	96
78) n-propylbenzene	13.77	91	889948	21.248	ug/l	95
79) 2-Chlorotoluene	13.84	91	468298	19.095	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	636822	21.058	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	35846	20.827	ug/l	95
82) 4-Chlorotoluene	13.95	91	611872	20.863	ug/l	98
83) tert-Butylbenzene	14.18	119	697965	20.926	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	614447	20.521	ug/l	100
85) sec-Butylbenzene	14.36	105	725570	20.745	ug/l	94
86) p-Isopropyltoluene	14.49	119	695660	20.428	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	375309	21.183	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	362139	21.628	ug/l	93
89) n-Butylbenzene	14.79	91	660176	21.549	ug/l	99
90) Hexachloroethane	15.00	117	190148	21.151	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	320768	21.780	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22537	18.021	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	242009	21.556	ug/l	96
94) Hexachlorobutadiene	16.03	225	181314	20.851	ug/l	99
95) Naphthalene	16.12	128	322485	20.494	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	184050	21.696	ug/l	99

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

