

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062689.D
 Acq On : 13 Jun 2019 12:56
 Operator : VA/AP
 Sample : VD0613SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBS01

Quant Time: Jun 14 06:45:19 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	7.06	168	760222	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	999377	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	868563	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	454386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	541226	49.34	ug/l	0.02
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	6.94	113	539583	51.19	ug/l	0.02
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.43	98	1124336	50.71	ug/l	0.01
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	13.57	95	541667	52.37	ug/l	0.01
Spiked Amount			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	185610	19.424	ug/l	99
3) Chloromethane	1.75	50	154090	20.485	ug/l	97
4) Vinyl Chloride	1.86	62	143570	18.509	ug/l	95
5) Bromomethane	2.16	94	65811	16.809	ug/l	95
6) Chloroethane	2.27	64	70400	18.383	ug/l #	88
7) Trichlorofluoromethane	2.53	101	317023	18.260	ug/l	94
8) Diethyl Ether	2.89	74	45812	19.401	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	189871	20.279	ug/l	98
10) Methyl Iodide	3.31	142	221401	18.992	ug/l	100
11) Tert butyl alcohol	4.10	59	39319	87.197	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	129724	19.306	ug/l	94
13) Acrolein	3.04	56	13863	95.576	ug/l	98
14) Allyl chloride	3.62	41	200027	19.361	ug/l	89
15) Acrylonitrile	4.21	53	109312	106.680	ug/l	98
16) Acetone	3.24	43	203729	101.420	ug/l #	91
17) Carbon Disulfide	3.38	76	369433	18.658	ug/l	99
18) Methyl Acetate	3.66	43	68906	20.873	ug/l #	88
19) Methyl tert-butyl Ether	4.26	73	342797	20.918	ug/l	98
20) Methylene Chloride	3.82	84	142710	18.525	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	141521	19.201	ug/l	91
22) Diisopropyl ether	5.14	45	434904	20.273	ug/l #	95
23) Vinyl Acetate	5.08	43	1445668	108.625	ug/l	100
24) 1,1-Dichloroethane	5.00	63	276284	20.020	ug/l	98
25) 2-Butanone	6.09	43	200545	102.333	ug/l	99
26) 2,2-Dichloropropane	6.05	77	303231	19.064	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	154563	19.344	ug/l	96
28) Bromochloromethane	6.46	49	98588	18.688	ug/l	93
29) Tetrahydrofuran	6.48	42	91491	103.670	ug/l	98
30) Chloroform	6.69	83	338959	19.143	ug/l	95
31) Cyclohexane	6.96	56	173521	20.044	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	359955	20.430	ug/l	95
36) 1,1-Dichloropropene	7.16	75	222365	19.441	ug/l	98
37) Ethyl Acetate	6.20	43	109908	23.196	ug/l #	77
38) Carbon Tetrachloride	7.13	117	361490	19.995	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	189252	20.475	ug/l	93
40) Benzene	7.47	78	460873	20.633	ug/l	99
41) Methacrylonitrile	6.47	41	133778	22.343	ug/l #	97
42) 1,2-Dichloroethane	7.59	62	267963	20.127	ug/l	98
43) Isopropyl Acetate	9.25	43	125345	20.769	ug/l #	88
44) Trichloroethene	8.56	130	171589	18.922	ug/l	95
45) 1,2-Dichloropropane	8.96	63	112724	21.010	ug/l	99
46) Dibromomethane	9.08	93	103466	21.725	ug/l	87
47) Bromodichloromethane	9.39	83	271647	20.968	ug/l	95
48) Methyl methacrylate	9.14	41	86963	19.945	ug/l #	83
49) 1,4-Dioxane	9.10	88	15543	427.076	ug/l	92
51) 4-Methyl-2-Pentanone	10.32	43	467452	110.695	ug/l	94
52) Toluene	10.52	92	298760	19.898	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	221842	20.885	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	229817	20.934	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	112701	21.887	ug/l #	93
56) Ethyl methacrylate	11.06	69	125826	22.623	ug/l	97
57) 1,3-Dichloropropane	11.42	76	164051	20.556	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	330785	120.195	ug/l	91
59) 2-Hexanone	11.55	43	330932	105.351	ug/l	97
60) Dibromochloromethane	11.70	129	210920	20.751	ug/l	100
61) 1,2-Dibromoethane	11.81	107	133728	21.700	ug/l	91
64) Tetrachloroethene	11.27	164	168093	20.674	ug/l	96
65) Chlorobenzene	12.41	112	387447	20.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	184965	20.186	ug/l	95
67) Ethyl Benzene	12.53	91	647491	19.008	ug/l	100
68) m/p-Xylenes	12.68	106	476260	39.770	ug/l	99
69) o-Xylene	13.05	106	214590	19.512	ug/l	99
70) Styrene	13.08	104	393953	20.075	ug/l	94
71) Bromoform	13.24	173	133224	20.711	ug/l #	98
73) Isopropylbenzene	13.41	105	722382	22.555	ug/l	100
74) N-amyl acetate	13.27	43	194024	22.416	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	130883	23.883	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	137671	22.345	ug/l	100
77) Bromobenzene	13.68	156	199609	21.806	ug/l	86
78) n-propylbenzene	13.78	91	859080	21.913	ug/l	95
79) 2-Chlorotoluene	13.85	91	487503	21.238	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	647606	22.879	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33843	20.975	ug/l	92
82) 4-Chlorotoluene	13.95	91	602032	21.931	ug/l	95
83) tert-Butylbenzene	14.20	119	689514	22.086	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	642571	22.928	ug/l	99
85) sec-Butylbenzene	14.37	105	761737	23.268	ug/l	98
86) p-Isopropyltoluene	14.50	119	674517	21.162	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	351504	21.196	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	353242	22.539	ug/l	96
89) n-Butylbenzene	14.81	91	647138	22.568	ug/l	95
90) Hexachloroethane	15.01	117	181542	21.575	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	312195	22.647	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	25875	22.105	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	236691	22.364	ug/l	96
94) Hexachlorobutadiene	16.05	225	177944	21.864	ug/l	96
95) Naphthalene	16.13	128	301343	20.466	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	183394	23.097	ug/l	97

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

