

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063504.D
 Acq On : 13 Aug 2019 00:36
 Operator : JC/SY
 Sample : VD0812SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Quant Time: Aug 13 09:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	980292	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1446240	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1207423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	613119	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	623811	59.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.06%	
35) Dibromofluoromethane	6.93	113	641413	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
50) Toluene-d8	10.41	98	1381041	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	13.55	95	623666	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	242807	20.473	ug/l	95
3) Chloromethane	1.75	50	201071	21.700	ug/l	99
4) Vinyl Chloride	1.85	62	180031	19.571	ug/l	94
5) Bromomethane	2.14	94	94494	21.771	ug/l #	97
6) Chloroethane	2.25	64	85609	20.352	ug/l	92
7) Trichlorofluoromethane	2.53	101	408905	22.663	ug/l	94
8) Diethyl Ether	2.87	74	61535	24.155	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	227071	21.313	ug/l	96
10) Methyl Iodide	3.30	142	313939	20.826	ug/l	93
11) Tert butyl alcohol	4.09	59	58034	127.225	ug/l	94
12) 1,1-Dichloroethene	3.13	96	157453	19.878	ug/l	92
13) Acrolein	3.04	56	48357	107.700	ug/l	90
14) Allyl chloride	3.62	41	263019	22.088	ug/l	92
15) Acrylonitrile	4.19	53	150920	124.909	ug/l	90
16) Acetone	3.23	43	213900	100.418	ug/l	94
17) Carbon Disulfide	3.37	76	498990	19.960	ug/l	98
18) Methyl Acetate	3.65	43	112860	27.973	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	390526	24.652	ug/l	97
20) Methylene Chloride	3.82	84	203502	22.094	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	180798	21.690	ug/l	95
22) Diisopropyl ether	5.13	45	540846	22.011	ug/l	98
23) Vinyl Acetate	5.06	43	1604436	112.315	ug/l	98
24) 1,1-Dichloroethane	4.98	63	341412	22.402	ug/l	99
25) 2-Butanone	6.08	43	238112	113.185	ug/l	92
26) 2,2-Dichloropropane	6.02	77	308351	20.313	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	194217	21.296	ug/l	84
28) Bromochloromethane	6.43	49	130605	21.145	ug/l	86
29) Tetrahydrofuran	6.46	42	116004	118.336	ug/l	98
30) Chloroform	6.67	83	423182	22.339	ug/l	97
31) Cyclohexane	6.96	56	195687	20.683	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	382855	21.128	ug/l	94
36) 1,1-Dichloropropene	7.14	75	265784	20.789	ug/l	97
37) Ethyl Acetate	6.19	43	116187	21.687	ug/l	97
38) Carbon Tetrachloride	7.11	117	379184	19.679	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	198925	18.298	ug/l	95
40) Benzene	7.46	78	568329	20.200	ug/l	93
41) Methacrylonitrile	6.46	41	154900	22.964	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	306547	21.668	ug/l	96
43) Isopropyl Acetate	9.24	43	164539	22.932	ug/l #	94
44) Trichloroethene	8.54	130	218605	20.328	ug/l	99
45) 1,2-Dichloropropane	8.94	63	139877	21.349	ug/l	97
46) Dibromomethane	9.06	93	129526	23.149	ug/l	92
47) Bromodichloromethane	9.38	83	313346	21.832	ug/l	99
48) Methyl methacrylate	9.12	41	107247	22.040	ug/l	90
49) 1,4-Dioxane	9.08	88	21048	497.140	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	560745	114.210	ug/l	100
52) Toluene	10.51	92	382968	21.133	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	261493	22.325	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	286619	21.701	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	133827	21.862	ug/l	93
56) Ethyl methacrylate	11.04	69	155393	23.388	ug/l	97
57) 1,3-Dichloropropane	11.41	76	201800	21.809	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	347785	99.148	ug/l	97
59) 2-Hexanone	11.53	43	409578	114.648	ug/l	96
60) Dibromochloromethane	11.69	129	247489	22.218	ug/l	93
61) 1,2-Dibromoethane	11.81	107	168400	22.724	ug/l	96
64) Tetrachloroethene	11.26	164	186012	19.956	ug/l	94
65) Chlorobenzene	12.40	112	510847	22.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	213792	21.466	ug/l	95
67) Ethyl Benzene	12.52	91	847086	21.528	ug/l	95
68) m/p-Xylenes	12.67	106	581292	42.049	ug/l	92
69) o-Xylene	13.05	106	278330	20.919	ug/l	95
70) Styrene	13.07	104	493728	20.861	ug/l	98
71) Bromoform	13.24	173	152914	22.392	ug/l	99
73) Isopropylbenzene	13.40	105	845884	21.691	ug/l	97
74) N-amyl acetate	13.27	43	201493	20.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	153021	23.640	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	161308	22.924	ug/l	96
77) Bromobenzene	13.67	156	244037	22.897	ug/l	95
78) n-propylbenzene	13.78	91	976773	21.407	ug/l	100
79) 2-Chlorotoluene	13.84	91	590520	22.446	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	713949	20.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	39550	20.912	ug/l #	89
82) 4-Chlorotoluene	13.95	91	688134	21.752	ug/l	100
83) tert-Butylbenzene	14.19	119	820108	22.856	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	701358	22.246	ug/l	97
85) sec-Butylbenzene	14.37	105	788884	20.703	ug/l	95
86) p-Isopropyltoluene	14.49	119	788868	21.652	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	431535	22.384	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	416447	22.515	ug/l	96
89) n-Butylbenzene	14.80	91	684074	20.572	ug/l	99
90) Hexachloroethane	15.01	117	202510	22.114	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	367679	22.479	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26699	21.906	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	258176	21.451	ug/l	99
94) Hexachlorobutadiene	16.03	225	186733	20.357	ug/l	96
95) Naphthalene	16.12	128	426890	23.404	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	226732	23.324	ug/l	99

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

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