

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063759.D
 Acq On : 23 Aug 2019 12:00
 Operator : JC/SY
 Sample : VD0823SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS02

Quant Time: Aug 26 01:05:14 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	7.03	168	953935	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1228815	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1058931	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	525839	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	462941	45.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	6.91	113	525501	50.78	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.40	98	1156664	50.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	13.55	95	459012	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.55	85	199928	17.323	ug/l	97
3) Chloromethane	1.73	50	152667	16.931	ug/l #	87
4) Vinyl Chloride	1.83	62	160469	17.927	ug/l	93
5) Bromomethane	2.13	94	74850	17.721	ug/l #	97
6) Chloroethane	2.24	64	77591	18.955	ug/l	98
7) Trichlorofluoromethane	2.51	101	341058	19.425	ug/l	99
8) Diethyl Ether	2.85	74	46369	18.705	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.13	101	206474	19.915	ug/l	96
10) Methyl Iodide	3.28	142	235962	16.085	ug/l	96
11) Tert butyl alcohol	4.06	59	45714	102.985	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	151249	19.622	ug/l	85
13) Acrolein	3.02	56	29749	68.087	ug/l #	64
14) Allyl chloride	3.59	41	227010	19.591	ug/l	90
15) Acrylonitrile	4.18	53	117820	100.208	ug/l	95
16) Acetone	3.21	43	203683	98.264	ug/l #	85
17) Carbon Disulfide	3.34	76	405783	16.680	ug/l	97
18) Methyl Acetate	3.62	43	80992	20.629	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	312410	20.266	ug/l	98
20) Methylene Chloride	3.79	84	170153	18.984	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	153250	18.893	ug/l	94
22) Diisopropyl ether	5.10	45	439598	18.384	ug/l	94
23) Vinyl Acetate	5.04	43	1381569	99.386	ug/l	99
24) 1,1-Dichloroethane	4.96	63	287906	19.413	ug/l	97
25) 2-Butanone	6.05	43	208428	101.812	ug/l	94
26) 2,2-Dichloropropane	6.00	77	297348	20.129	ug/l	91
27) cis-1,2-Dichloroethene	6.02	96	163443	18.417	ug/l	96
28) Bromochloromethane	6.43	49	122948	20.455	ug/l	95
29) Tetrahydrofuran	6.45	42	90536	94.908	ug/l	96
30) Chloroform	6.65	83	347164	18.833	ug/l	94
31) Cyclohexane	6.94	56	170524	18.521	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	333818	18.931	ug/l	93
36) 1,1-Dichloropropene	7.13	75	216589	19.938	ug/l	98
37) Ethyl Acetate	6.17	43	93496	20.540	ug/l	98
38) Carbon Tetrachloride	7.10	117	312857	19.109	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	185570	20.089	ug/l	100
40) Benzene	7.44	78	463378	19.384	ug/l	99
41) Methacrylonitrile	6.45	41	123417	21.534	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	248764	20.695	ug/l	99
43) Isopropyl Acetate	9.23	43	133809	21.949	ug/l #	88
44) Trichloroethene	8.52	130	190248	20.821	ug/l	93
45) 1,2-Dichloropropane	8.93	63	117807	21.161	ug/l	90
46) Dibromomethane	9.05	93	103568	21.785	ug/l	94
47) Bromodichloromethane	9.37	83	255557	20.956	ug/l	92
48) Methyl methacrylate	9.11	41	88179	21.328	ug/l	94
49) 1,4-Dioxane	9.07	88	16084	449.601	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	459314	110.103	ug/l	98
52) Toluene	10.50	92	315872	20.514	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	197727	19.868	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	223961	19.957	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	115946	22.292	ug/l	97
56) Ethyl methacrylate	11.03	69	125777	22.280	ug/l	93
57) 1,3-Dichloropropane	11.40	76	172450	21.934	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	350428	117.578	ug/l	97
59) 2-Hexanone	11.53	43	346215	114.059	ug/l	98
60) Dibromochloromethane	11.67	129	203935	21.548	ug/l	91
61) 1,2-Dibromoethane	11.80	107	134597	21.377	ug/l	87
64) Tetrachloroethene	11.25	164	166566	20.376	ug/l	92
65) Chlorobenzene	12.39	112	396718	19.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	183610	21.021	ug/l	91
67) Ethyl Benzene	12.52	91	725644	21.028	ug/l	99
68) m/p-Xylenes	12.66	106	492681	40.637	ug/l	86
69) o-Xylene	13.04	106	229645	19.680	ug/l	90
70) Styrene	13.07	104	409212	19.715	ug/l	94
71) Bromoform	13.23	173	122445	20.444	ug/l #	96
73) Isopropylbenzene	13.40	105	711471	21.272	ug/l	97
74) N-amyl acetate	13.26	43	179365	21.363	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	127548	22.976	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	138965	23.027	ug/l	91
77) Bromobenzene	13.66	156	196617	21.509	ug/l	96
78) n-propylbenzene	13.77	91	799385	20.427	ug/l	98
79) 2-Chlorotoluene	13.84	91	499588	22.141	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	642741	21.994	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	33457	20.627	ug/l	97
82) 4-Chlorotoluene	13.94	91	616187	22.710	ug/l	92
83) tert-Butylbenzene	14.18	119	681799	22.156	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	635081	23.487	ug/l	93
85) sec-Butylbenzene	14.36	105	743979	22.765	ug/l	99
86) p-Isopropyltoluene	14.49	119	708877	22.686	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	376789	22.788	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	339728	21.416	ug/l	91
89) n-Butylbenzene	14.79	91	632902	22.192	ug/l	98
90) Hexachloroethane	15.00	117	172347	21.944	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	321233	22.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25698	24.584	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	240961	23.344	ug/l	95
94) Hexachlorobutadiene	16.03	225	175849	22.353	ug/l	96
95) Naphthalene	16.12	128	339079	21.675	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	196492	23.568	ug/l	96

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

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