

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063604.D
 Acq On : 15 Aug 2019 14:39
 Operator : JC/SY
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 15:50:10 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	7.04	168	1113210	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1596156	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1194998	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	613204	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	592714	49.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	6.91	113	656907	48.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.40	98	1522214	51.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	13.55	95	606532	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	254145	18.870	ug/l	94
3) Chloromethane	1.74	50	219221	20.833	ug/l	97
4) Vinyl Chloride	1.84	62	213218	20.412	ug/l	100
5) Bromomethane	2.13	94	91446	18.553	ug/l #	98
6) Chloroethane	2.24	64	102571	21.472	ug/l	97
7) Trichlorofluoromethane	2.51	101	398473	19.448	ug/l	100
8) Diethyl Ether	2.86	74	49877	17.241	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	249108	20.590	ug/l	99
10) Methyl Iodide	3.29	142	285360	16.670	ug/l	93
11) Tert butyl alcohol	4.06	59	58106	112.173	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	182051	20.239	ug/l	88
13) Acrolein	3.02	56	40421	79.276	ug/l	95
14) Allyl chloride	3.60	41	280356	20.733	ug/l	96
15) Acrylonitrile	4.19	53	146076	106.464	ug/l	96
16) Acetone	3.21	43	213026	88.067	ug/l	96
17) Carbon Disulfide	3.35	76	572237	20.157	ug/l	98
18) Methyl Acetate	3.63	43	93166	20.334	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	399832	22.226	ug/l	95
20) Methylene Chloride	3.80	84	203356	19.442	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	207782	21.951	ug/l	93
22) Diisopropyl ether	5.10	45	578121	20.718	ug/l	95
23) Vinyl Acetate	5.04	43	1697415	104.637	ug/l	100
24) 1,1-Dichloroethane	4.97	63	358939	20.740	ug/l	98
25) 2-Butanone	6.05	43	243329	101.854	ug/l	98
26) 2,2-Dichloropropane	6.00	77	350310	20.322	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	214317	20.694	ug/l	93
28) Bromochloromethane	6.42	49	142183	20.271	ug/l	86
29) Tetrahydrofuran	6.45	42	115354	103.623	ug/l	98
30) Chloroform	6.65	83	441454	20.521	ug/l	98
31) Cyclohexane	6.94	56	215934	20.098	ug/l #	91
32) 1,1,1-Trichloroethane	6.85	97	412816	20.061	ug/l	94
36) 1,1-Dichloropropene	7.13	75	298917	21.184	ug/l	96
37) Ethyl Acetate	6.17	43	125465	21.220	ug/l #	94
38) Carbon Tetrachloride	7.10	117	408805	19.223	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	246445	20.540	ug/l	95
40) Benzene	7.44	78	619327	19.945	ug/l	100
41) Methacrylonitrile	6.44	41	153145	20.571	ug/l	96
42) 1,2-Dichloroethane	7.57	62	307563	19.698	ug/l	99
43) Isopropyl Acetate	9.23	43	156685	19.786	ug/l #	94
44) Trichloroethene	8.53	130	236741	19.947	ug/l	93
45) 1,2-Dichloropropane	8.93	63	140904	19.485	ug/l	97
46) Dibromomethane	9.05	93	126102	20.420	ug/l	98
47) Bromodichloromethane	9.37	83	307203	19.394	ug/l	94
48) Methyl methacrylate	9.11	41	103957	19.357	ug/l	92
49) 1,4-Dioxane	9.06	88	18519	401.341	ug/l #	56
51) 4-Methyl-2-Pentanone	10.29	43	564649	104.203	ug/l	98
52) Toluene	10.50	92	420466	21.023	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	273834	21.183	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	275397	18.893	ug/l	86
55) 1,1,2-Trichloroethane	11.18	97	130324	19.290	ug/l	96
56) Ethyl methacrylate	11.03	69	148130	20.201	ug/l	97
57) 1,3-Dichloropropane	11.40	76	187377	18.348	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	382530	98.811	ug/l	91
59) 2-Hexanone	11.53	43	419118	106.299	ug/l	99
60) Dibromochloromethane	11.68	129	246798	20.075	ug/l	99
61) 1,2-Dibromoethane	11.80	107	157121	19.211	ug/l	98
64) Tetrachloroethene	11.25	164	202830	21.987	ug/l	95
65) Chlorobenzene	12.39	112	512266	22.872	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	213490	21.659	ug/l	95
67) Ethyl Benzene	12.52	91	855576	21.970	ug/l	98
68) m/p-Xylenes	12.67	106	596428	43.592	ug/l	99
69) o-Xylene	13.04	106	293161	22.263	ug/l	95
70) Styrene	13.07	104	498514	21.282	ug/l	95
71) Bromoform	13.23	173	155024	22.937	ug/l	93
73) Isopropylbenzene	13.40	105	894949	22.946	ug/l	94
74) N-amyl acetate	13.26	43	235775	24.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	145274	22.440	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	153671	21.836	ug/l	91
77) Bromobenzene	13.66	156	237151	22.247	ug/l	92
78) n-propylbenzene	13.77	91	992381	21.746	ug/l	99
79) 2-Chlorotoluene	13.84	91	582218	22.127	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	740504	21.729	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	41706	22.049	ug/l	93
82) 4-Chlorotoluene	13.95	91	686640	21.701	ug/l	96
83) tert-Butylbenzene	14.18	119	840425	23.419	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	753180	23.886	ug/l	95
85) sec-Butylbenzene	14.36	105	883437	23.181	ug/l	98
86) p-Isopropyltoluene	14.49	119	847288	23.252	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	428796	22.239	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	398378	21.535	ug/l	96
89) n-Butylbenzene	14.79	91	739984	22.250	ug/l	95
90) Hexachloroethane	15.00	117	199333	21.764	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	361110	22.074	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25659	21.050	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	280417	23.296	ug/l	97
94) Hexachlorobutadiene	16.03	225	207563	22.625	ug/l	97
95) Naphthalene	16.12	128	423849	23.234	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	214670	22.080	ug/l	93

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

