

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063551.D
 Acq On : 14 Aug 2019 3:29
 Operator : JC/SY
 Sample : VD0813SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

Quant Time: Aug 14 04:51:40 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	884282	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1204541	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1119725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	588048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	529017	55.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	6.93	113	580349	57.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.42%	
50) Toluene-d8	10.42	98	1226814	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	13.56	95	567950	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	215421	20.136	ug/l	87
3) Chloromethane	1.75	50	185110	22.146	ug/l	99
4) Vinyl Chloride	1.84	62	164500	19.825	ug/l	90
5) Bromomethane	2.15	94	79953	20.421	ug/l	95
6) Chloroethane	2.26	64	75840	19.987	ug/l	97
7) Trichlorofluoromethane	2.53	101	334034	20.523	ug/l	93
8) Diethyl Ether	2.88	74	46385	20.185	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	198154	20.618	ug/l	92
10) Methyl Iodide	3.30	142	254139	18.689	ug/l	98
11) Tert butyl alcohol	4.08	59	46985	114.186	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	147766	20.680	ug/l	95
13) Acrolein	3.04	56	33004	81.487	ug/l #	72
14) Allyl chloride	3.62	41	218349	20.328	ug/l	97
15) Acrylonitrile	4.20	53	125041	114.726	ug/l	94
16) Acetone	3.23	43	183876	95.696	ug/l	98
17) Carbon Disulfide	3.37	76	434301	19.259	ug/l	99
18) Methyl Acetate	3.65	43	98965	27.192	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	337970	23.651	ug/l	99
20) Methylene Chloride	3.81	84	171162	20.600	ug/l	89
21) trans-1,2-Dichloroethene	4.22	96	155160	20.635	ug/l	96
22) Diisopropyl ether	5.12	45	489587	22.088	ug/l	97
23) Vinyl Acetate	5.06	43	1352021	104.922	ug/l	99
24) 1,1-Dichloroethane	4.98	63	306986	22.330	ug/l	98
25) 2-Butanone	6.08	43	201381	106.118	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	265248	19.371	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	182942	22.238	ug/l	93
28) Bromochloromethane	6.44	49	118384	21.247	ug/l	96
29) Tetrahydrofuran	6.47	42	101042	114.264	ug/l	96
30) Chloroform	6.67	83	392077	22.944	ug/l	98
31) Cyclohexane	6.95	56	163822	19.195	ug/l	86
32) 1,1,1-Trichloroethane	6.88	97	357211	21.853	ug/l	95
36) 1,1-Dichloropropene	7.15	75	233424	21.921	ug/l	96
37) Ethyl Acetate	6.19	43	103454	23.186	ug/l	98
38) Carbon Tetrachloride	7.12	117	340942	21.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	172688	19.072	ug/l	95
40) Benzene	7.46	78	497007	21.209	ug/l	96
41) Methacrylonitrile	6.45	41	126044	22.435	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	275279	23.363	ug/l	98
43) Isopropyl Acetate	9.25	43	133121	22.276	ug/l #	96
44) Trichloroethene	8.55	130	206699	23.077	ug/l	97
45) 1,2-Dichloropropane	8.94	63	136267	24.971	ug/l	95
46) Dibromomethane	9.07	93	115431	24.769	ug/l	84
47) Bromodichloromethane	9.39	83	311022	26.018	ug/l	99
48) Methyl methacrylate	9.13	41	92387	22.796	ug/l	97
49) 1,4-Dioxane	9.09	88	17676	501.063	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	476001	116.403	ug/l	97
52) Toluene	10.52	92	342623	22.700	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	239802	24.581	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	256796	23.345	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	122025	23.934	ug/l	96
56) Ethyl methacrylate	11.05	69	130352	23.555	ug/l	93
57) 1,3-Dichloropropane	11.41	76	171577	22.263	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	297528	101.841	ug/l	98
59) 2-Hexanone	11.54	43	356182	119.707	ug/l	100
60) Dibromochloromethane	11.69	129	226719	24.438	ug/l	96
61) 1,2-Dibromoethane	11.82	107	147983	23.976	ug/l	99
64) Tetrachloroethene	11.27	164	187171	21.653	ug/l	93
65) Chlorobenzene	12.41	112	457400	21.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	216785	23.472	ug/l	93
67) Ethyl Benzene	12.53	91	794719	21.779	ug/l	100
68) m/p-Xylenes	12.66	106	520611	40.609	ug/l	93
69) o-Xylene	13.05	106	252633	20.475	ug/l	94
70) Styrene	13.08	104	461963	21.048	ug/l	98
71) Bromoform	13.23	173	142113	22.440	ug/l	96
73) Isopropylbenzene	13.40	105	725254	19.390	ug/l	95
74) N-amyl acetate	13.26	43	190465	20.285	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	140298	22.599	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	147317	21.828	ug/l	98
77) Bromobenzene	13.68	156	228598	22.362	ug/l	86
78) n-propylbenzene	13.78	91	924182	21.118	ug/l	96
79) 2-Chlorotoluene	13.84	91	522458	20.706	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	675528	20.671	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	35147	19.376	ug/l	95
82) 4-Chlorotoluene	13.95	91	630376	20.775	ug/l	95
83) tert-Butylbenzene	14.19	119	727568	21.142	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	604759	20.000	ug/l	95
85) sec-Butylbenzene	14.37	105	787800	21.556	ug/l	97
86) p-Isopropyltoluene	14.49	119	766487	21.935	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	382351	20.678	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	395657	22.303	ug/l	97
89) n-Butylbenzene	14.80	91	597822	18.745	ug/l	95
90) Hexachloroethane	15.01	117	196288	22.348	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	332085	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24635	21.074	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	250290	21.682	ug/l	93
94) Hexachlorobutadiene	16.04	225	185717	21.110	ug/l	98
95) Naphthalene	16.13	128	376720	21.534	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	197330	21.165	ug/l	94

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

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