

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063035.D
 Acq On : 8 Jul 2019 14:43
 Operator : VA/AP
 Sample : VD0708SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS02

Quant Time: Jul 09 05:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	935909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1271997	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1052460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	520955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	558452	54.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	6.93	113	608401	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	
50) Toluene-d8	10.41	98	1270594	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	13.55	95	581199	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	249352	20.589	ug/l	99
3) Chloromethane	1.75	50	193675	21.264	ug/l #	84
4) Vinyl Chloride	1.85	62	193129	21.386	ug/l	99
5) Bromomethane	2.15	94	76928	18.190	ug/l	93
6) Chloroethane	2.26	64	87313	21.355	ug/l #	84
7) Trichlorofluoromethane	2.53	101	389216	21.296	ug/l	99
8) Diethyl Ether	2.88	74	53178	22.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	224974	22.722	ug/l	97
10) Methyl Iodide	3.30	142	268137	20.527	ug/l	99
11) Tert butyl alcohol	4.08	59	52153	112.560	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	163525	22.016	ug/l	94
13) Acrolein	3.04	56	26172	55.331	ug/l	92
14) Allyl chloride	3.62	41	244494	22.277	ug/l	98
15) Acrylonitrile	4.20	53	129252	118.720	ug/l #	86
16) Acetone	3.23	43	205936	95.499	ug/l	93
17) Carbon Disulfide	3.37	76	468409	19.732	ug/l	96
18) Methyl Acetate	3.64	43	93689	30.507	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	361591	22.488	ug/l #	91
20) Methylene Chloride	3.82	84	174528	22.495	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	172390	21.797	ug/l	91
22) Diisopropyl ether	5.13	45	513437	23.004	ug/l	98
23) Vinyl Acetate	5.06	43	1464541	104.861	ug/l	98
24) 1,1-Dichloroethane	4.99	63	315640	21.720	ug/l	97
25) 2-Butanone	6.07	43	216984	114.040	ug/l	93
26) 2,2-Dichloropropane	6.03	77	342399	22.229	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	193040	23.081	ug/l	93
28) Bromochloromethane	6.44	49	124243	24.275	ug/l	93
29) Tetrahydrofuran	6.46	42	102701	114.082	ug/l	96
30) Chloroform	6.67	83	393602	22.271	ug/l	96
31) Cyclohexane	6.96	56	220102	23.039	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	379786	20.632	ug/l	93
36) 1,1-Dichloropropene	7.14	75	251162	20.858	ug/l	90
37) Ethyl Acetate	6.19	43	115844	22.292	ug/l #	94
38) Carbon Tetrachloride	7.11	117	396721	21.907	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231523	21.844	ug/l	93
40) Benzene	7.46	78	543620	22.491	ug/l	93
41) Methacrylonitrile	6.44	41	137748	21.692	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	280434	21.268	ug/l	100
43) Isopropyl Acetate	9.24	43	137687	21.811	ug/l #	95
44) Trichloroethene	8.54	130	213643	22.546	ug/l	95
45) 1,2-Dichloropropane	8.94	63	134420	22.366	ug/l #	87
46) Dibromomethane	9.06	93	111748	21.645	ug/l	98
47) Bromodichloromethane	9.38	83	290197	21.643	ug/l	99
48) Methyl methacrylate	9.12	41	101291	22.579	ug/l	96
49) 1,4-Dioxane	9.08	88	15774	422.639	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	485405	108.452	ug/l	100
52) Toluene	10.51	92	364089	22.409	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	231370	21.082	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	255747	21.440	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	124602	22.322	ug/l	95
56) Ethyl methacrylate	11.04	69	125893	21.104	ug/l	96
57) 1,3-Dichloropropane	11.41	76	184063	21.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	351723	114.846	ug/l	96
59) 2-Hexanone	11.53	43	368356	115.560	ug/l	99
60) Dibromochloromethane	11.68	129	231843	22.298	ug/l	98
61) 1,2-Dibromoethane	11.81	107	144849	21.971	ug/l	87
64) Tetrachloroethene	11.26	164	188909	21.809	ug/l	95
65) Chlorobenzene	12.40	112	433576	22.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	205984	22.550	ug/l	91
67) Ethyl Benzene	12.52	91	791681	22.575	ug/l	98
68) m/p-Xylenes	12.67	106	539267	44.151	ug/l	98
69) o-Xylene	13.05	106	254087	22.757	ug/l	96
70) Styrene	13.07	104	459226	23.416	ug/l	94
71) Bromoform	13.24	173	134604	21.508	ug/l #	98
73) Isopropylbenzene	13.40	105	834088	24.971	ug/l	97
74) N-amyl acetate	13.27	43	207507	25.581	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	145516	26.737	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	158555	26.364	ug/l	99
77) Bromobenzene	13.67	156	222231	24.735	ug/l	93
78) n-propylbenzene	13.77	91	892591	22.959	ug/l	92
79) 2-Chlorotoluene	13.84	91	500992	22.549	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	693464	24.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	33929	21.526	ug/l	93
82) 4-Chlorotoluene	13.95	91	663016	24.787	ug/l	98
83) tert-Butylbenzene	14.19	119	788945	25.227	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	661687	23.009	ug/l	95
85) sec-Butylbenzene	14.37	105	831807	24.472	ug/l	94
86) p-Isopropyltoluene	14.49	119	782234	25.156	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	390314	24.235	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	360765	22.303	ug/l	97
89) n-Butylbenzene	14.79	91	673700	23.148	ug/l	99
90) Hexachloroethane	15.01	117	205902	24.627	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	345104	25.045	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27763	26.136	ug/l #	37

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248952	23.129	ug/l	99
94) Hexachlorobutadiene	16.03	225	178479	21.705	ug/l	97
95) Naphthalene	16.12	128	358295	23.749	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	207208	25.055	ug/l	99

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

