

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061020.D
 Acq On : 12 Mar 2019 13:24
 Operator : VA/AP
 Sample : VD0312SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Quant Time: Mar 13 04:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	608443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1147509	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	903255	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	413533	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	297203	58.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	117.36%	
35) Dibromofluoromethane	6.93	113	451155	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.41	98	1165602	54.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	13.55	95	450003	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	142345	23.618	ug/l	99
3) Chloromethane	1.76	50	127756	25.446	ug/l	98
4) Vinyl Chloride	1.86	62	115405	24.876	ug/l	99
5) Bromomethane	2.15	94	18954	20.269	ug/l	87
6) Chloroethane	2.27	64	34387	24.763	ug/l	93
7) Trichlorofluoromethane	2.54	101	155154	23.281	ug/l	99
8) Diethyl Ether	2.88	74	48683	22.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	185413	24.884	ug/l	96
10) Methyl Iodide	3.32	142	203478	21.600	ug/l	98
11) Tert butyl alcohol	4.06	59	40695	126.217	ug/l	95
12) 1,1-Dichloroethene	3.14	96	147785	24.197	ug/l	98
13) Acrolein	3.04	56	44331	95.026	ug/l	98
14) Allyl chloride	3.63	41	221398	22.656	ug/l	98
15) Acrylonitrile	4.20	53	132168	115.984	ug/l	94
16) Acetone	3.23	43	179483	123.930	ug/l	99
17) Carbon Disulfide	3.38	76	472819	22.949	ug/l	99
18) Methyl Acetate	3.65	43	53168	18.654	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	244760	22.867	ug/l	98
20) Methylene Chloride	3.82	84	179652	24.861	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	164770	24.925	ug/l	98
22) Diisopropyl ether	5.13	45	455815	22.470	ug/l	99
23) Vinyl Acetate	5.06	43	1241923	119.260	ug/l	99
24) 1,1-Dichloroethane	4.99	63	262986	23.661	ug/l	99
25) 2-Butanone	6.07	43	195781	119.133	ug/l	97
26) 2,2-Dichloropropane	6.03	77	218035	25.129	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	178641	25.470	ug/l	96
28) Bromochloromethane	6.45	49	96353	20.478	ug/l	92
29) Tetrahydrofuran	6.46	42	91562	102.607	ug/l	99
30) Chloroform	6.67	83	277498	24.090	ug/l	97
31) Cyclohexane	6.96	56	208566	23.272	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	233571	23.453	ug/l	97
36) 1,1-Dichloropropene	7.15	75	216054	21.843	ug/l	97
37) Ethyl Acetate	6.18	43	85619	18.446	ug/l	97
38) Carbon Tetrachloride	7.12	117	230645	21.169	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231199	22.542	ug/l	97
40) Benzene	7.46	78	548444	22.190	ug/l	98
41) Methacrylonitrile	6.45	41	100767	18.874	ug/l	95
42) 1,2-Dichloroethane	7.58	62	144729	20.178	ug/l	97
43) Isopropyl Acetate	9.24	43	120068	18.676	ug/l #	99
44) Trichloroethene	8.54	130	190763	22.372	ug/l	94
45) 1,2-Dichloropropane	8.95	63	136982	21.095	ug/l	98
46) Dibromomethane	9.06	93	83476	20.266	ug/l	99
47) Bromodichloromethane	9.38	83	188495	20.280	ug/l	98
48) Methyl methacrylate	9.12	41	69869	19.303	ug/l	100
49) 1,4-Dioxane	9.08	88	13797	376.951	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	379630	96.389	ug/l	95
52) Toluene	10.51	92	345673	22.491	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	176951	20.820	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	211148	20.677	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	113662	22.207	ug/l	96
56) Ethyl methacrylate	11.04	69	111959	20.898	ug/l	98
57) 1,3-Dichloropropane	11.41	76	162946	21.304	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	248593	87.662	ug/l	96
59) 2-Hexanone	11.54	43	311005	107.951	ug/l	98
60) Dibromochloromethane	11.68	129	158560	21.050	ug/l	99
61) 1,2-Dibromoethane	11.80	107	121524	20.410	ug/l	99
64) Tetrachloroethene	11.26	164	139784	22.925	ug/l	98
65) Chlorobenzene	12.40	112	384196	21.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	155510	24.637	ug/l	99
67) Ethyl Benzene	12.53	91	694167	26.332	ug/l	99
68) m/p-Xylenes	12.67	106	524591	50.700	ug/l	93
69) o-Xylene	13.05	106	249506	24.532	ug/l	98
70) Styrene	13.07	104	384148	23.131	ug/l	98
71) Bromoform	13.24	173	84122	20.659	ug/l	98
73) Isopropylbenzene	13.41	105	660669	22.168	ug/l	100
74) N-amyl acetate	13.27	43	165599	19.734	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	118420	20.366	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	125645	21.119	ug/l	99
77) Bromobenzene	13.67	156	171048	22.484	ug/l	93
78) n-propylbenzene	13.78	91	798409	22.884	ug/l	96
79) 2-Chlorotoluene	13.84	91	434880	22.640	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	481280	21.272	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37019	21.105	ug/l	95
82) 4-Chlorotoluene	13.95	91	465139	20.484	ug/l	96
83) tert-Butylbenzene	14.19	119	559205	22.585	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	481280	21.272	ug/l	97
85) sec-Butylbenzene	14.37	105	692490	22.909	ug/l	98
86) p-Isopropyltoluene	14.49	119	575193	23.280	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	302470	22.266	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	293787	22.007	ug/l	98
89) n-Butylbenzene	14.80	91	496689	20.933	ug/l	97
90) Hexachloroethane	15.01	117	145414	20.842	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	249022	21.989	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13142	18.756	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	110514	21.036	ug/l	97
94) Hexachlorobutadiene	16.04	225	81293	20.457	ug/l	97
95) Naphthalene	16.12	128	157431	19.719	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	55385	21.345	ug/l	97

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

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