

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059650.D
 Acq On : 31 Jul 2018 13:29
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Quant Time: Jul 31 13:47:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	155892	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	193982	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.67	117	152788	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	79840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	105395	53.78	ug/l	0.02
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	5.53	113	90609	54.45	ug/l	0.02
Spiked Amount			Recovery	=	108.90%	
50) Toluene-d8	8.70	98	185655	49.18	ug/l	0.02
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.92	95	87191	51.28	ug/l	0.01
Spiked Amount			Recovery	=	102.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	50999	26.965	ug/l	99
3) Chloromethane	1.48	50	19349	19.859	ug/l	99
4) Vinyl Chloride	1.55	62	21095	20.805	ug/l	93
5) Bromomethane	1.77	94	4466	22.959	ug/l	83
6) Chloroethane	1.86	64	6536	22.035	ug/l	100
7) Trichlorofluoromethane	2.06	101	46095	26.647	ug/l	96
8) Diethyl Ether	2.33	74	6986	23.007	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.53	101	23604	25.897	ug/l	92
10) Methyl Iodide	2.68	142	23683	21.112	ug/l	96
11) Tert butyl alcohol	3.27	59	8939	114.330	ug/l #	80
12) 1,1-Dichloroethene	2.52	96	16792	25.417	ug/l	97
13) Acrolein	2.46	56	3744	92.949	ug/l #	74
14) Allyl chloride	2.90	41	37434	23.368	ug/l	89
15) Acrylonitrile	3.34	53	21097	124.417	ug/l #	86
16) Acetone	2.60	43	36435	123.103	ug/l	93
17) Carbon Disulfide	2.74	76	58201	22.179	ug/l #	94
18) Methyl Acetate	2.92	43	12896	21.789	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	72282	32.642	ug/l	97
20) Methylene Chloride	3.05	84	18899	22.394	ug/l #	83
21) trans-1,2-Dichloroethene	3.37	96	26506	37.206	ug/l	82
22) Diisopropyl ether	4.05	45	84065	19.957	ug/l	97
23) Vinyl Acetate	4.00	43	269026	100.630	ug/l	98
24) 1,1-Dichloroethane	3.95	63	55841	20.999	ug/l	100
25) 2-Butanone	4.82	43	42054	93.175	ug/l	95
26) 2,2-Dichloropropane	4.78	77	63567	23.341	ug/l	98
27) cis-1,2-Dichloroethene	4.78	96	30016	21.094	ug/l	95
28) Bromochloromethane	5.13	49	20557	19.537	ug/l	99
29) Tetrahydrofuran	5.17	42	16654	79.690	ug/l	97
30) Chloroform	5.30	83	69076	21.719	ug/l	98
31) Cyclohexane	5.57	56	38875	19.369	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	69662	22.624	ug/l	95
36) 1,1-Dichloropropene	5.73	75	47762	24.537	ug/l	93
37) Ethyl Acetate	4.90	43	20633	20.606	ug/l	97
38) Carbon Tetrachloride	5.71	117	64542	24.214	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	37217	20.792	ug/l	95
40) Benzene	5.99	78	80468	20.159	ug/l	97
41) Methacrylonitrile	5.10	41	9705	19.422	ug/l #	89
42) 1,2-Dichloroethane	6.11	62	56609	23.538	ug/l	95
43) Isopropyl Acetate	7.60	43	26531	19.108	ug/l	91
44) Trichloroethene	6.97	130	31826	21.982	ug/l	99
45) 1,2-Dichloropropane	7.33	63	21433	19.173	ug/l	92
46) Dibromomethane	7.44	93	20618	21.821	ug/l	91
47) Bromodichloromethane	7.72	83	50615	22.428	ug/l	95
48) Methyl methacrylate	7.49	41	19039	20.676	ug/l	93
49) 1,4-Dioxane	7.47	88	2945	356.513	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	90683	97.804	ug/l	98
52) Toluene	8.79	92	56011	21.161	ug/l	93
53) t-1,3-Dichloropropene	9.17	75	42751	21.003	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	43940	21.739	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	19862	19.974	ug/l	98
56) Ethyl methacrylate	9.30	69	23438	20.774	ug/l #	89
57) 1,3-Dichloropropane	9.65	76	33215	21.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	49390	93.167	ug/l	96
59) 2-Hexanone	9.78	43	69599	94.504	ug/l	97
60) Dibromochloromethane	9.95	129	34610	20.965	ug/l	97
61) 1,2-Dibromoethane	10.07	107	24729	20.985	ug/l	97
64) Tetrachloroethene	9.49	164	31895	23.036	ug/l	95
65) Chlorobenzene	10.71	112	69628	22.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	32057	23.530	ug/l	92
67) Ethyl Benzene	10.84	91	128624	23.890	ug/l	98
68) m/p-Xylenes	11.00	106	84092	46.766	ug/l	93
69) o-Xylene	11.39	106	38211	21.900	ug/l	80
70) Styrene	11.42	104	64482	22.289	ug/l	98
71) Bromoform	11.59	173	23807	21.460	ug/l	97
73) Isopropylbenzene	11.77	105	129377	22.938	ug/l	99
74) N-amyl acetate	11.64	43	36958	19.124	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	23433	20.349	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	27990	21.200	ug/l	99
77) Bromobenzene	12.03	156	35296	21.377	ug/l	87
78) n-propylbenzene	12.15	91	154092	22.485	ug/l	100
79) 2-Chlorotoluene	12.21	91	93451	22.872	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	101049	22.691	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.84	75	5810	17.211	ug/l #	79
82) 4-Chlorotoluene	12.32	91	107731	23.315	ug/l	95
83) tert-Butylbenzene	12.57	119	109811	21.904	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	107820	22.777	ug/l	96
85) sec-Butylbenzene	12.75	105	125946	21.985	ug/l	99
86) p-Isopropyltoluene	12.88	119	108033	22.376	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	61137	21.893	ug/l	93
88) 1,4-Dichlorobenzene	12.92	146	55688	20.699	ug/l	97
89) n-Butylbenzene	13.19	91	105641	22.663	ug/l	98
90) Hexachloroethane	13.39	117	27424	21.256	ug/l	87
91) 1,2-Dichlorobenzene	13.18	146	50979	21.757	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.76	75	5511	23.739	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	41971	21.631	ug/l	96
94) Hexachlorobutadiene	14.43	225	36324	23.733	ug/l	99
95) Naphthalene	14.51	128	53400	19.351	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	38034	21.663	ug/l	99

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

