

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059651.D
 Acq On : 31 Jul 2018 13:58
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Quant Time: Jul 31 14:43:55 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	5.62	168	146958	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	183630	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.67	117	149180	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	79778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	99647	53.94	ug/l	0.01
Spiked Amount 50.000			Recovery =	107.88%		
35) Dibromofluoromethane	5.52	113	85759	54.44	ug/l	0.01
Spiked Amount 50.000			Recovery =	108.88%		
50) Toluene-d8	8.69	98	176413	49.37	ug/l	0.01
Spiked Amount 50.000			Recovery =	98.74%		
62) 4-Bromofluorobenzene	11.92	95	81354	50.55	ug/l	0.01
Spiked Amount 50.000			Recovery =	101.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	46846	26.104	ug/l	92
3) Chloromethane	1.47	50	19579	21.316	ug/l	94
4) Vinyl Chloride	1.54	62	21338	22.324	ug/l	92
5) Bromomethane	1.76	94	4674	25.489	ug/l	82
6) Chloroethane	1.85	64	6580	23.532	ug/l #	84
7) Trichlorofluoromethane	2.06	101	46208	28.337	ug/l	94
8) Diethyl Ether	2.33	74	6633	23.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.53	101	22684	26.401	ug/l	95
10) Methyl Iodide	2.67	142	22551	21.307	ug/l #	88
11) Tert butyl alcohol	3.26	59	8125	110.237	ug/l #	80
12) 1,1-Dichloroethene	2.52	96	15570	25.000	ug/l	95
13) Acrolein	2.45	56	4100	107.975	ug/l	83
14) Allyl chloride	2.89	41	36863	24.411	ug/l	96
15) Acrylonitrile	3.34	53	20761	129.879	ug/l	96
16) Acetone	2.60	43	35016	125.501	ug/l	99
17) Carbon Disulfide	2.73	76	51734	20.913	ug/l	100
18) Methyl Acetate	2.91	43	11243	20.151	ug/l #	92
19) Methyl tert-butyl Ether	3.39	73	69132	33.117	ug/l	100
20) Methylene Chloride	3.04	84	17366	21.829	ug/l	85
21) trans-1,2-Dichloroethene	3.36	96	24929	37.120	ug/l	90
22) Diisopropyl ether	4.05	45	78887	19.866	ug/l	98
23) Vinyl Acetate	3.99	43	257403	102.136	ug/l	99
24) 1,1-Dichloroethane	3.95	63	55472	22.129	ug/l #	98
25) 2-Butanone	4.81	43	40393	94.935	ug/l	98
26) 2,2-Dichloropropane	4.77	77	59591	23.212	ug/l	100
27) cis-1,2-Dichloroethene	4.77	96	28748	21.431	ug/l	93
28) Bromochloromethane	5.12	49	20673	20.842	ug/l	96
29) Tetrahydrofuran	5.16	42	16936	85.966	ug/l	97
30) Chloroform	5.29	83	68728	22.923	ug/l	96
31) Cyclohexane	5.57	56	36909	19.552	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	66991	23.079	ug/l	96
36) 1,1-Dichloropropene	5.72	75	45013	24.429	ug/l	93
37) Ethyl Acetate	4.90	43	20220	21.332	ug/l	98
38) Carbon Tetrachloride	5.70	117	60991	24.172	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	36974	21.821	ug/l	93
40) Benzene	5.99	78	80897	21.409	ug/l	100
41) Methacrylonitrile	5.10	41	9014	19.056	ug/l	92
42) 1,2-Dichloroethane	6.10	62	54448	23.916	ug/l	96
43) Isopropyl Acetate	7.60	43	25819	19.644	ug/l	90
44) Trichloroethene	6.96	130	29493	21.519	ug/l	96
45) 1,2-Dichloropropane	7.33	63	21862	20.660	ug/l	94
46) Dibromomethane	7.44	93	19873	22.218	ug/l	96
47) Bromodichloromethane	7.72	83	50661	23.714	ug/l	97
48) Methyl methacrylate	7.49	41	17981	20.628	ug/l #	87
49) 1,4-Dioxane	7.47	88	2574	330.869	ug/l #	88
51) 4-Methyl-2-Pentanone	8.58	43	88366	100.678	ug/l	99
52) Toluene	8.79	92	54924	21.920	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	39244	20.367	ug/l	99
54) cis-1,3-Dichloropropene	8.34	75	43366	22.664	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	19844	21.081	ug/l	97
56) Ethyl methacrylate	9.30	69	21661	20.282	ug/l	91
57) 1,3-Dichloropropane	9.65	76	32558	21.767	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	51332	102.289	ug/l	98
59) 2-Hexanone	9.77	43	67861	97.339	ug/l	98
60) Dibromochloromethane	9.94	129	33689	21.558	ug/l	98
61) 1,2-Dibromoethane	10.07	107	24663	22.109	ug/l	100
64) Tetrachloroethene	9.49	164	30324	22.431	ug/l	98
65) Chlorobenzene	10.71	112	67063	21.930	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.83	131	30609	23.010	ug/l	98
67) Ethyl Benzene	10.84	91	124074	23.602	ug/l	99
68) m/p-Xylenes	11.00	106	79009	45.002	ug/l	99
69) o-Xylene	11.39	106	36968	21.700	ug/l	94
70) Styrene	11.42	104	64859	22.962	ug/l	98
71) Bromoform	11.59	173	21960	20.274	ug/l	99
73) Isopropylbenzene	11.77	105	119315	21.170	ug/l	98
74) N-amyl acetate	11.64	43	34498	17.865	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.06	83	22461	19.520	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	27400	20.769	ug/l	100
77) Bromobenzene	12.03	156	33973	20.592	ug/l	84
78) n-propylbenzene	12.14	91	146900	21.452	ug/l	95
79) 2-Chlorotoluene	12.21	91	89027	21.806	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	98850	22.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	5400	16.009	ug/l #	82
82) 4-Chlorotoluene	12.32	91	107516	23.287	ug/l	93
83) tert-Butylbenzene	12.56	119	106111	21.182	ug/l	92
84) 1,2,4-Trimethylbenzene	12.61	105	97803	20.677	ug/l	97
85) sec-Butylbenzene	12.75	105	123232	21.528	ug/l	100
86) p-Isopropyltoluene	12.88	119	103812	21.518	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	58499	20.965	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	57215	21.283	ug/l	97
89) n-Butylbenzene	13.18	91	101219	21.731	ug/l	97
90) Hexachloroethane	13.39	117	26222	20.341	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	47994	20.499	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4482	19.321	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	42068	21.698	ug/l	95
94) Hexachlorobutadiene	14.42	225	33404	21.842	ug/l	97
95) Naphthalene	14.51	128	51381	18.634	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	35850	20.434	ug/l	98

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

