

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059627.D
 Acq On : 30 Jul 2018 19:13
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 05:16:53 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	5.61	168	137354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	171971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	150429	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	76149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	90992	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	5.51	113	81552	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	8.69	98	167470	50.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.91	95	80243	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	44935	26.97	ug/l	96
3) Chloromethane	1.46	50	18080	21.06	ug/l	98
4) Vinyl Chloride	1.53	62	19524	21.85	ug/l	99
5) Bromomethane	1.75	94	4346	25.36	ug/l	94
6) Chloroethane	1.84	64	4997	19.12	ug/l #	85
7) Trichlorofluoromethane	2.04	101	39881	26.17	ug/l	96
8) Diethyl Ether	2.31	74	6285	23.43	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.51	101	20134	25.07	ug/l	94
10) Methyl Iodide	2.66	142	22455	22.58	ug/l	95
11) Tert butyl alcohol	3.25	59	8153	118.35	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	13940	23.95	ug/l	95
13) Acrolein	2.45	56	3875	109.18	ug/l #	75
14) Allyl chloride	2.88	41	31532	22.34	ug/l	99
15) Acrylonitrile	3.33	53	19848	132.85	ug/l	95
16) Acetone	2.59	43	30865	118.36	ug/l	96
17) Carbon Disulfide	2.72	76	48318	20.90	ug/l	100
18) Methyl Acetate	2.90	43	12307	23.60	ug/l	95
19) Methyl tert-butyl Ether	3.38	73	61646	31.60	ug/l	94
20) Methylene Chloride	3.03	84	18449	24.81	ug/l	98
21) trans-1,2-Dichloroethene	3.35	96	17852	28.44	ug/l	94
22) Diisopropyl ether	4.03	45	77647	20.92	ug/l	97
23) Vinyl Acetate	3.98	43	265507	112.72	ug/l	98
24) 1,1-Dichloroethane	3.93	63	54186	23.13	ug/l	99
25) 2-Butanone	4.80	43	43604	109.65	ug/l	92
26) 2,2-Dichloropropane	4.76	77	54460	22.70	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	29126	23.23	ug/l	94
28) Bromochloromethane	5.11	49	19925	21.49	ug/l	94
29) Tetrahydrofuran	5.15	42	19596	106.42	ug/l	98
30) Chloroform	5.28	83	65852	23.50	ug/l	97
31) Cyclohexane	5.55	56	33811	19.04	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	61594	22.70	ug/l	97
36) 1,1-Dichloropropene	5.71	75	41881	24.27	ug/l	94
37) Ethyl Acetate	4.89	43	18636	20.99	ug/l #	93
38) Carbon Tetrachloride	5.69	117	56481	23.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	37634	23.72	ug/l	98
40) Benzene	5.98	78	83687	23.65	ug/l	97
41) Methacrylonitrile	5.09	41	9755	22.02	ug/l	96
42) 1,2-Dichloroethane	6.09	62	51713	24.25	ug/l	97
43) Isopropyl Acetate	7.60	43	26988	21.92	ug/l	98
44) Trichloroethene	6.95	130	30593	23.83	ug/l	98
45) 1,2-Dichloropropane	7.32	63	20825	21.01	ug/l	94
46) Dibromomethane	7.44	93	19273	23.01	ug/l	95
47) Bromodichloromethane	7.71	83	49220	24.60	ug/l	96
48) Methyl methacrylate	7.48	41	18727	22.94	ug/l	84
49) 1,4-Dioxane	7.46	88	3562	478.31	ug/l #	91
51) 4-Methyl-2-Pentanone	8.58	43	97118	118.15	ug/l	98
52) Toluene	8.78	92	55579	23.69	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	42261	23.42	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	41270	23.03	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	20015	22.70	ug/l	98
56) Ethyl methacrylate	9.29	69	23941	23.94	ug/l	95
57) 1,3-Dichloropropane	9.64	76	31408	22.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.17	63	48692	103.61	ug/l	97
59) 2-Hexanone	9.76	43	74934	114.77	ug/l	98
60) Dibromochloromethane	9.94	129	35008	23.92	ug/l	95
61) 1,2-Dibromoethane	10.07	107	25525	24.43	ug/l	98
64) Tetrachloroethene	9.48	164	29582	21.70	ug/l	97
65) Chlorobenzene	10.70	112	65751	21.32	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	30555	22.78	ug/l	93
67) Ethyl Benzene	10.84	91	121548	22.93	ug/l	99
68) m/p-Xylenes	11.00	106	78112	44.12	ug/l	99
69) o-Xylene	11.39	106	36118	21.02	ug/l	84
70) Styrene	11.42	104	63171	22.18	ug/l	94
71) Bromoform	11.59	173	23468	21.49	ug/l #	98
73) Isopropylbenzene	11.76	105	113393	21.08	ug/l	97
74) N-amyl acetate	11.63	43	38521	20.90	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	24567	22.37	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	27844	22.11	ug/l	98
77) Bromobenzene	12.02	156	33852	21.50	ug/l	99
78) n-propylbenzene	12.14	91	148397	22.70	ug/l	98
79) 2-Chlorotoluene	12.20	91	88482	22.71	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	90893	21.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	6516	20.24	ug/l	97
82) 4-Chlorotoluene	12.32	91	98654	22.39	ug/l	100
83) tert-Butylbenzene	12.56	119	106753	22.33	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	96571	21.39	ug/l	100
85) sec-Butylbenzene	12.75	105	115518	21.14	ug/l	97
86) p-Isopropyltoluene	12.88	119	98952	21.49	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	56775	21.32	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	55514	21.63	ug/l	98
89) n-Butylbenzene	13.18	91	100276	22.55	ug/l	99
90) Hexachloroethane	13.39	117	26433	21.48	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	50211	22.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4842	21.87	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	41591	22.47	ug/l	99
94) Hexachlorobutadiene	14.42	225	33988	23.28	ug/l	99
95) Naphthalene	14.50	128	58910	22.38	ug/l	96
96) 1,2,3-Trichlorobenzene	14.65	180	37135	22.18	ug/l	99

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

