

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059418.D
 Acq On : 26 Jun 2018 11:55
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 26 13:25:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	874695	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	1210219	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	981455	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	507944	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	419468	46.89	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	5.54	113	455594	46.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	8.70	98	1021626	44.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.66%	
62) 4-Bromofluorobenzene	11.93	95	425031	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	188113	24.17	ug/l	95
3) Chloromethane	1.49	50	94022	23.22	ug/l	91
4) Vinyl Chloride	1.56	62	96924	23.07	ug/l	95
5) Bromomethane	1.79	94	33582	21.50	ug/l	87
6) Chloroethane	1.88	64	34139	17.71	ug/l	95
7) Trichlorofluoromethane	2.08	101	132011	21.79	ug/l	96
8) Diethyl Ether	2.34	74	30594	22.32	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.55	101	86976	23.10	ug/l	90
10) Methyl Iodide	2.68	142	95095	21.63	ug/l	95
11) Tert butyl alcohol	3.27	59	30676	99.13	ug/l	96
12) 1,1-Dichloroethene	2.54	96	66376	23.03	ug/l	94
13) Acrolein	2.47	56	29835	107.85	ug/l	93
14) Allyl chloride	2.91	41	153162	23.22	ug/l	99
15) Acrylonitrile	3.34	53	102214	107.62	ug/l	97
16) Acetone	2.61	43	120783	106.99	ug/l	# 91
17) Carbon Disulfide	2.74	76	201788	22.86	ug/l	98
18) Methyl Acetate	2.93	43	53667	20.83	ug/l	96
19) Methyl tert-butyl Ether	3.39	73	300668	21.19	ug/l	99
20) Methylene Chloride	3.06	84	89494	27.46	ug/l	89
21) trans-1,2-Dichloroethene	3.39	96	105449	20.69	ug/l	87
22) Diisopropyl ether	4.06	45	544062	21.92	ug/l	95
23) Vinyl Acetate	4.00	43	1468003	113.51	ug/l	99
24) 1,1-Dichloroethane	3.96	63	336973	23.73	ug/l	98
25) 2-Butanone	4.83	43	257354	108.82	ug/l	100
26) 2,2-Dichloropropane	4.79	77	227302	20.64	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	189129	22.09	ug/l	96
28) Bromochloromethane	5.14	49	137622	22.35	ug/l	99
29) Tetrahydrofuran	5.17	42	136166	105.26	ug/l	97
30) Chloroform	5.31	83	361505	23.35	ug/l	93
31) Cyclohexane	5.58	56	228515	22.22	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	294972	23.53	ug/l	97
36) 1,1-Dichloropropene	5.73	75	234014	21.32	ug/l	100
37) Ethyl Acetate	4.92	43	136385	20.40	ug/l	95
38) Carbon Tetrachloride	5.71	117	237541	20.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	207619	19.94	ug/l	93
40) Benzene	6.00	78	545079	20.69	ug/l	100
41) Methacrylonitrile	5.11	41	59915	18.61	ug/l	98
42) 1,2-Dichloroethane	6.12	62	243665	20.93	ug/l	96
43) Isopropyl Acetate	7.61	43	173051	20.61	ug/l #	94
44) Trichloroethene	6.97	130	177629	20.59	ug/l	99
45) 1,2-Dichloropropane	7.34	63	149343	20.47	ug/l	90
46) Dibromomethane	7.45	93	108801	20.73	ug/l	94
47) Bromodichloromethane	7.73	83	260458	22.18	ug/l	97
48) Methyl methacrylate	7.50	41	101057	19.76	ug/l	100
49) 1,4-Dioxane	7.48	88	21922	427.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.58	43	589922	105.44	ug/l	98
52) Toluene	8.79	92	337616	21.46	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	198341	20.21	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	231061	20.34	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	118837	20.80	ug/l	97
56) Ethyl methacrylate	9.30	69	138500	21.25	ug/l	95
57) 1,3-Dichloropropane	9.65	76	193883	20.75	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	359651	107.18	ug/l	100
59) 2-Hexanone	9.77	43	405428	101.96	ug/l	97
60) Dibromochloromethane	9.95	129	165547	20.69	ug/l	94
61) 1,2-Dibromoethane	10.08	107	132729	20.86	ug/l	96
64) Tetrachloroethene	9.50	164	195780	22.74	ug/l	98
65) Chlorobenzene	10.72	112	396362	22.09	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	155048	22.51	ug/l	97
67) Ethyl Benzene	10.85	91	666062	21.99	ug/l	98
68) m/p-Xylenes	11.00	106	461723	45.96	ug/l	97
69) o-Xylene	11.40	106	221071	22.26	ug/l	98
70) Styrene	11.43	104	371943	21.84	ug/l	96
71) Bromoform	11.59	173	121251	21.25	ug/l	97
73) Isopropylbenzene	11.77	105	612238	21.36	ug/l	94
74) N-amyl acetate	11.64	43	224582	20.59	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	136417	20.29	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	140892	20.11	ug/l	98
77) Bromobenzene	12.04	156	193565	21.46	ug/l	88
78) n-propylbenzene	12.14	91	812109	22.37	ug/l	99
79) 2-Chlorotoluene	12.21	91	465872	21.85	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	504280	22.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	27992	17.58	ug/l	96
82) 4-Chlorotoluene	12.32	91	548680	22.70	ug/l	93
83) tert-Butylbenzene	12.57	119	546049	22.50	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	538809	22.31	ug/l	96
85) sec-Butylbenzene	12.75	105	660350	22.17	ug/l	100
86) p-Isopropyltoluene	12.88	119	546460	22.76	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	327010	22.03	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	321021	21.92	ug/l	95
89) n-Butylbenzene	13.19	91	530452	22.38	ug/l	97
90) Hexachloroethane	13.39	117	130583	21.80	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	284333	22.59	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23562	21.25	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	256204	22.02	ug/l	95
94) Hexachlorobutadiene	14.43	225	180895	20.66	ug/l	97
95) Naphthalene	14.51	128	350602	21.62	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	217431	20.79	ug/l	97

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

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