

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058039.D
 Acq On : 9 Jun 2018 3:06
 Operator : VA/AP
 Sample : VD0608SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

Quant Time: Jun 09 03:52:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	820988	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1098398	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	889679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	466740	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	426827	52.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	5.53	113	432356	50.88	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	8.69	98	985154	48.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.92	95	432129	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	253705	23.02	ug/l	100
3) Chloromethane	1.47	50	134269	24.74	ug/l	93
4) Vinyl Chloride	1.55	62	118677	22.59	ug/l	93
5) Bromomethane	1.79	94	40971	19.90	ug/l	87
6) Chloroethane	1.87	64	43122	20.81	ug/l	# 86
7) Trichlorofluoromethane	2.08	101	158230	22.04	ug/l	98
8) Diethyl Ether	2.33	74	30519	22.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	98238	22.94	ug/l	96
10) Methyl Iodide	2.69	142	112475	20.35	ug/l	# 92
11) Tert butyl alcohol	3.26	59	23783	108.17	ug/l	# 82
12) 1,1-Dichloroethene	2.54	96	74402	22.60	ug/l	93
13) Acrolein	2.46	56	31936	101.42	ug/l	94
14) Allyl chloride	2.91	41	167676	22.08	ug/l	97
15) Acrylonitrile	3.36	53	130989	101.83	ug/l	95
16) Acetone	2.60	43	103958	87.91	ug/l	99
17) Carbon Disulfide	2.74	76	260405	21.83	ug/l	99
18) Methyl Acetate	2.92	43	54623	23.88	ug/l	100
19) Methyl tert-butyl Ether	3.39	73	333410	23.01	ug/l	99
20) Methylene Chloride	3.06	84	85672	25.59	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	162758	22.19	ug/l	95
22) Diisopropyl ether	4.05	45	678690	22.55	ug/l	99
23) Vinyl Acetate	4.00	43	1714446	110.27	ug/l	100
24) 1,1-Dichloroethane	3.96	63	381676	23.08	ug/l	99
25) 2-Butanone	4.82	43	289512	107.73	ug/l	95
26) 2,2-Dichloropropane	4.78	77	265366	19.48	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	200508	23.05	ug/l	96
28) Bromochloromethane	5.14	49	170312	23.79	ug/l	92
29) Tetrahydrofuran	5.18	42	168787	119.81	ug/l	98
30) Chloroform	5.31	83	378281	22.73	ug/l	99
31) Cyclohexane	5.58	56	313548	21.97	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	309513	22.21	ug/l	94
36) 1,1-Dichloropropene	5.73	75	274382	22.67	ug/l	97
37) Ethyl Acetate	4.91	43	140479	21.27	ug/l	# 92
38) Carbon Tetrachloride	5.71	117	262742	22.03	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	266578	22.22	ug/l	92
40) Benzene	6.00	78	651798	23.06	ug/l	98
41) Methacrylonitrile	5.12	41	70651	23.40	ug/l #	93
42) 1,2-Dichloroethane	6.11	62	251526	22.01	ug/l	97
43) Isopropyl Acetate	7.61	43	195944	22.65	ug/l #	97
44) Trichloroethene	6.97	130	184595	22.35	ug/l	99
45) 1,2-Dichloropropane	7.33	63	173612	22.10	ug/l	100
46) Dibromomethane	7.45	93	115455	22.87	ug/l	95
47) Bromodichloromethane	7.73	83	264289	22.36	ug/l	95
48) Methyl methacrylate	7.49	41	114331	21.48	ug/l	94
49) 1,4-Dioxane	7.49	88	17194	389.88	ug/l #	85
51) 4-Methyl-2-Pentanone	8.58	43	636092	114.66	ug/l	100
52) Toluene	8.79	92	353372	21.78	ug/l	91
53) t-1,3-Dichloropropene	9.17	75	221328	21.74	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	262804	21.91	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	118776	22.62	ug/l	95
56) Ethyl methacrylate	9.30	69	147220	22.86	ug/l	95
57) 1,3-Dichloropropane	9.66	76	206099	22.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	370720	113.92	ug/l	96
59) 2-Hexanone	9.77	43	455031	111.93	ug/l	99
60) Dibromochloromethane	9.95	129	159129	21.49	ug/l	99
61) 1,2-Dibromoethane	10.09	107	134183	22.22	ug/l	95
64) Tetrachloroethene	9.50	164	187016	23.51	ug/l	94
65) Chlorobenzene	10.72	112	397922	22.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	148998	21.53	ug/l	93
67) Ethyl Benzene	10.85	91	746052	22.93	ug/l	99
68) m/p-Xylenes	11.00	106	470168	44.32	ug/l	96
69) o-Xylene	11.40	106	210214	19.96	ug/l	90
70) Styrene	11.43	104	373841	21.45	ug/l	98
71) Bromoform	11.59	173	108509	20.84	ug/l	98
73) Isopropylbenzene	11.76	105	684322	22.14	ug/l	100
74) N-amyl acetate	11.63	43	243979	20.45	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	148233	21.99	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	156579	22.33	ug/l	99
77) Bromobenzene	12.03	156	195307	21.34	ug/l	96
78) n-propylbenzene	12.15	91	872288	21.68	ug/l	96
79) 2-Chlorotoluene	12.21	91	483086	21.05	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	533998	22.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	34704	19.98	ug/l	96
82) 4-Chlorotoluene	12.32	91	570172	23.89	ug/l	94
83) tert-Butylbenzene	12.57	119	590152	21.68	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	568827	21.94	ug/l	98
85) sec-Butylbenzene	12.75	105	703453	21.41	ug/l	99
86) p-Isopropyltoluene	12.87	119	555075	20.96	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	329754	21.30	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	323516	21.45	ug/l	98
89) n-Butylbenzene	13.19	91	598207	22.68	ug/l	98
90) Hexachloroethane	13.40	117	139046	20.57	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	291869	23.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22567	21.69	ug/l #	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	247807	21.20	ug/l	98
94) Hexachlorobutadiene	14.43	225	185538	20.18	ug/l	98
95) Naphthalene	14.51	128	341172	22.64	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	207387	20.82	ug/l	97

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

