

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058013.D
 Acq On : 8 Jun 2018 13:00
 Operator : VA/AP
 Sample : VD0608SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Quant Time: Jun 08 13:17:52 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	5.64	168	987864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1271185	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1069696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	540942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	458524	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.54	113	489271	49.75	ug/l	-0.02
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	8.70	98	1135592	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.92	95	469133	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	288894	21.79	ug/l	100
3) Chloromethane	1.48	50	150632	23.07	ug/l	98
4) Vinyl Chloride	1.56	62	141404	22.37	ug/l	100
5) Bromomethane	1.80	94	47041	18.99	ug/l	88
6) Chloroethane	1.89	64	47312	18.97	ug/l	90
7) Trichlorofluoromethane	2.09	101	172737	19.99	ug/l	100
8) Diethyl Ether	2.35	74	36252	22.59	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	114289	22.18	ug/l	97
10) Methyl Iodide	2.70	142	130303	19.60	ug/l	93
11) Tert butyl alcohol	3.27	59	24103	91.10	ug/l	95
12) 1,1-Dichloroethene	2.55	96	89409	22.57	ug/l	92
13) Acrolein	2.47	56	42613	112.47	ug/l	88
14) Allyl chloride	2.92	41	198634	21.73	ug/l	95
15) Acrylonitrile	3.36	53	163550	105.67	ug/l	97
16) Acetone	2.62	43	149491	105.06	ug/l	92
17) Carbon Disulfide	2.75	76	310792	21.65	ug/l	100
18) Methyl Acetate	2.94	43	54388	19.76	ug/l #	89
19) Methyl tert-butyl Ether	3.40	73	363057	20.83	ug/l	98
20) Methylene Chloride	3.07	84	95253	23.20	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	192524	21.82	ug/l	99
22) Diisopropyl ether	4.06	45	753156	20.80	ug/l	94
23) Vinyl Acetate	4.01	43	1971931	105.41	ug/l	100
24) 1,1-Dichloroethane	3.98	63	416929	20.95	ug/l	100
25) 2-Butanone	4.83	43	321872	99.54	ug/l	95
26) 2,2-Dichloropropane	4.79	77	339668	20.72	ug/l	94
27) cis-1,2-Dichloroethene	4.80	96	220660	21.08	ug/l	96
28) Bromochloromethane	5.14	49	183353	21.29	ug/l	97
29) Tetrahydrofuran	5.19	42	173856	102.56	ug/l	99
30) Chloroform	5.31	83	423710	21.16	ug/l	98
31) Cyclohexane	5.59	56	363894	21.19	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	345712	20.62	ug/l	99
36) 1,1-Dichloropropene	5.74	75	307586	21.96	ug/l	99
37) Ethyl Acetate	4.92	43	169358	22.16	ug/l #	92
38) Carbon Tetrachloride	5.72	117	292087	21.16	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	292090	21.04	ug/l	97
40) Benzene	6.00	78	726180	22.20	ug/l	100
41) Methacrylonitrile	5.12	41	79789	22.83	ug/l	97
42) 1,2-Dichloroethane	6.12	62	284820	21.53	ug/l	100
43) Isopropyl Acetate	7.61	43	213978	21.38	ug/l #	97
44) Trichloroethene	6.98	130	201358	21.07	ug/l	100
45) 1,2-Dichloropropane	7.34	63	190073	20.90	ug/l	99
46) Dibromomethane	7.45	93	122414	20.96	ug/l	92
47) Bromodichloromethane	7.74	83	290604	21.25	ug/l	100
48) Methyl methacrylate	7.50	41	123024	19.97	ug/l	96
49) 1,4-Dioxane	7.48	88	21397	419.24	ug/l	96
51) 4-Methyl-2-Pentanone	8.59	43	703986	109.65	ug/l	100
52) Toluene	8.79	92	428929	22.84	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	262833	22.31	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	303820	21.89	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	131360	21.62	ug/l	98
56) Ethyl methacrylate	9.30	69	158987	21.33	ug/l	97
57) 1,3-Dichloropropane	9.66	76	224771	21.09	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	434311	115.32	ug/l	97
59) 2-Hexanone	9.77	43	528277	112.28	ug/l	100
60) Dibromochloromethane	9.95	129	177810	20.75	ug/l	95
61) 1,2-Dibromoethane	10.09	107	146158	20.91	ug/l	96
64) Tetrachloroethene	9.51	164	196012	20.50	ug/l	97
65) Chlorobenzene	10.72	112	456039	21.06	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	163553	19.66	ug/l	89
67) Ethyl Benzene	10.85	91	841796	21.52	ug/l	97
68) m/p-Xylenes	11.00	106	554330	43.46	ug/l	94
69) o-Xylene	11.40	106	265951	21.01	ug/l	99
70) Styrene	11.43	104	449197	21.43	ug/l	98
71) Bromoform	11.59	173	125887	20.11	ug/l	93
73) Isopropylbenzene	11.76	105	738183	20.60	ug/l	100
74) N-amyl acetate	11.63	43	274421	19.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	147413	18.87	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	165803	20.40	ug/l	97
77) Bromobenzene	12.04	156	217403	20.50	ug/l	85
78) n-propylbenzene	12.15	91	1006831	21.60	ug/l	98
79) 2-Chlorotoluene	12.21	91	572493	21.52	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	627961	22.47	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	39761	19.76	ug/l	96
82) 4-Chlorotoluene	12.31	91	650553	23.46	ug/l	95
83) tert-Butylbenzene	12.57	119	664100	21.05	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	647134	21.54	ug/l	99
85) sec-Butylbenzene	12.75	105	779218	20.46	ug/l	97
86) p-Isopropyltoluene	12.87	119	644185	20.99	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	373080	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	354493	20.28	ug/l	98
89) n-Butylbenzene	13.19	91	696099	22.79	ug/l	99
90) Hexachloroethane	13.40	117	159518	20.36	ug/l	84
91) 1,2-Dichlorobenzene	13.19	146	313907	21.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24394	20.23	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	275723	20.36	µg/l	95
94) Hexachlorobutadiene	14.43	225	198972	18.68	µg/l	96
95) Naphthalene	14.51	128	333740	19.11	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	224360	19.44	µg/l	98

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

