

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060310.D
 Acq On : 9 Nov 2018 14:05
 Operator : VA/AP
 Sample : VD1109SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Quant Time: Nov 12 14:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1655720	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2207761	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1790674	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	917861	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	601404	50.73	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	6.31	113	847222	51.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	9.44	98	2411967	50.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.43	95	888356	50.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	310979	21.317	ug/l	98
3) Chloromethane	1.76	50	285360	18.195	ug/l	98
4) Vinyl Chloride	1.85	62	238122	18.591	ug/l	97
5) Bromomethane	2.14	94	42080	13.848	ug/l	97
6) Chloroethane	2.25	64	64835	15.256	ug/l	98
7) Trichlorofluoromethane	2.51	101	278279	18.428	ug/l	99
8) Diethyl Ether	2.82	74	48381	17.696	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	186006	18.728	ug/l	96
10) Methyl Iodide	3.23	142	228104	17.683	ug/l	99
11) Tert butyl alcohol	3.96	59	45501	93.466	ug/l #	92
12) 1,1-Dichloroethene	3.07	96	152509	18.877	ug/l	96
13) Acrolein	2.98	56	47392	82.388	ug/l	98
14) Allyl chloride	3.53	41	280380	18.138	ug/l	97
15) Acrylonitrile	4.08	53	271246	95.547	ug/l	97
16) Acetone	3.16	43	202793	98.615	ug/l	99
17) Carbon Disulfide	3.30	76	458318	17.576	ug/l	99
18) Methyl Acetate	3.55	43	78930	18.001	ug/l	95
19) Methyl tert-butyl Ether	4.12	73	471814	19.504	ug/l	100
20) Methylene Chloride	3.71	84	372639	20.427	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	344391	19.199	ug/l	100
22) Diisopropyl ether	4.85	45	1121900	19.426	ug/l	98
23) Vinyl Acetate	4.80	43	2885898	100.427	ug/l	98
24) 1,1-Dichloroethane	4.75	63	577061	19.485	ug/l	99
25) 2-Butanone	5.62	43	417161	97.596	ug/l	98
26) 2,2-Dichloropropane	5.58	77	467320	20.297	ug/l	97
27) cis-1,2-Dichloroethene	5.59	96	362450	19.395	ug/l	97
28) Bromochloromethane	5.91	49	246857	18.892	ug/l	96
29) Tetrahydrofuran	5.95	42	223231	99.056	ug/l	99
30) Chloroform	6.10	83	572962	19.353	ug/l	100
31) Cyclohexane	6.35	56	527693	18.643	ug/l	96
32) 1,1,1-Trichloroethane	6.29	97	463697	18.594	ug/l	98
36) 1,1-Dichloropropene	6.51	75	447456	20.515	ug/l	98
37) Ethyl Acetate	5.69	43	210473	20.970	ug/l	98
38) Carbon Tetrachloride	6.49	117	403367	19.936	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	485507	19.353	ug/l	98
40) Benzene	6.79	78	1155647	20.756	ug/l	100
41) Methacrylonitrile	5.94	41	234928	20.450	ug/l #	96
42) 1,2-Dichloroethane	6.89	62	298727	20.499	ug/l	97
43) Isopropyl Acetate	8.34	43	250639	19.880	ug/l #	97
44) Trichloroethene	7.73	130	347553	20.592	ug/l	96
45) 1,2-Dichloropropane	8.10	63	288168	20.522	ug/l	97
46) Dibromomethane	8.21	93	164418	19.992	ug/l	95
47) Bromodichloromethane	8.48	83	388962	20.070	ug/l	99
48) Methyl methacrylate	8.23	41	154483	20.172	ug/l	98
49) 1,4-Dioxane	8.22	88	28730	433.593	ug/l #	82
51) 4-Methyl-2-Pentanone	9.34	43	827627	100.859	ug/l	100
52) Toluene	9.54	92	715077	20.106	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	330461	20.182	ug/l	94
54) cis-1,3-Dichloropropene	9.10	75	426262	20.296	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	203036	19.697	ug/l	98
56) Ethyl methacrylate	10.02	69	188158	19.852	ug/l	97
57) 1,3-Dichloropropane	10.38	76	321324	20.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	615545	107.410	ug/l	97
59) 2-Hexanone	10.49	43	635258	108.618	ug/l	99
60) Dibromochloromethane	10.64	129	256726	20.488	ug/l	99
61) 1,2-Dibromoethane	10.75	107	207787	20.118	ug/l	97
64) Tetrachloroethene	10.24	164	320198	20.030	ug/l	99
65) Chlorobenzene	11.30	112	768928	19.818	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	267065	21.038	ug/l	94
67) Ethyl Benzene	11.42	91	1374996	20.717	ug/l	98
68) m/p-Xylenes	11.56	106	1006101	41.094	ug/l	95
69) o-Xylene	11.93	106	462836	19.568	ug/l	97
70) Styrene	11.95	104	740638	19.375	ug/l	98
71) Bromoform	12.11	173	163943	19.219	ug/l	98
73) Isopropylbenzene	12.27	105	1279890	19.139	ug/l	100
74) N-amyl acetate	12.13	43	318248	18.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	222049	20.303	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	216896	19.754	ug/l	98
77) Bromobenzene	12.53	156	328820	18.511	ug/l	86
78) n-propylbenzene	12.63	91	1639497	19.642	ug/l	97
79) 2-Chlorotoluene	12.70	91	890000	19.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1027687	19.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	59584	19.061	ug/l	95
82) 4-Chlorotoluene	12.81	91	1018506	19.833	ug/l	88
83) tert-Butylbenzene	13.05	119	1157077	20.054	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1026092	19.769	ug/l	98
85) sec-Butylbenzene	13.22	105	1372352	19.386	ug/l	94
86) p-Isopropyltoluene	13.34	119	1108981	19.454	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	654671	20.715	ug/l	94
88) 1,4-Dichlorobenzene	13.39	146	633768	20.534	ug/l	98
89) n-Butylbenzene	13.65	91	1206525	19.152	ug/l	98
90) Hexachloroethane	13.85	117	258945	19.156	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	547370	21.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25742	19.499	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	413059	20.070	ug/l	99
94) Hexachlorobutadiene	14.88	225	299264	19.440	ug/l	98
95) Naphthalene	14.96	128	475766	18.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	318106	19.288	ug/l	99

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

