

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030619\
 Data File : VD060962.D
 Acq On : 6 Mar 2019 13:46
 Operator : VA/AP
 Sample : VD0306SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

Quant Time: Mar 07 06:04:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	747714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1231929	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1044454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	459460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	307274	49.71	ug/l	0.02
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	6.93	113	499374	50.56	ug/l	0.02
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	10.41	98	1112582	45.27	ug/l	0.02
Spiked Amount			Recovery	=	90.54%	
62) 4-Bromofluorobenzene	13.56	95	487393	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	174536	21.067	ug/l	98
3) Chloromethane	1.77	50	143787	20.914	ug/l	100
4) Vinyl Chloride	1.86	62	120610	19.417	ug/l	98
5) Bromomethane	2.17	94	17315	15.781	ug/l	90
6) Chloroethane	2.27	64	28452	19.012	ug/l	99
7) Trichlorofluoromethane	2.54	101	166173	22.289	ug/l	96
8) Diethyl Ether	2.88	74	61346	18.655	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	206758	20.446	ug/l	99
10) Methyl Iodide	3.32	142	242197	19.800	ug/l	95
11) Tert butyl alcohol	4.09	59	42036	91.244	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	174538	20.348	ug/l	99
13) Acrolein	3.05	56	53907	84.496	ug/l	91
14) Allyl chloride	3.63	41	268844	19.215	ug/l	99
15) Acrylonitrile	4.20	53	164619	93.322	ug/l	96
16) Acetone	3.24	43	193496	93.755	ug/l	99
17) Carbon Disulfide	3.39	76	557523	18.336	ug/l	99
18) Methyl Acetate	3.65	43	69412	16.425	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	303701	20.129	ug/l	96
20) Methylene Chloride	3.83	84	198525	17.938	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	188407	20.176	ug/l	95
22) Diisopropyl ether	5.13	45	547002	18.413	ug/l	97
23) Vinyl Acetate	5.07	43	1440226	92.315	ug/l	100
24) 1,1-Dichloroethane	5.00	63	300697	18.978	ug/l	99
25) 2-Butanone	6.07	43	236487	92.369	ug/l	100
26) 2,2-Dichloropropane	6.03	77	228634	19.425	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	198642	18.761	ug/l	97
28) Bromochloromethane	6.45	49	120954	18.174	ug/l #	97
29) Tetrahydrofuran	6.46	42	118097	89.615	ug/l	98
30) Chloroform	6.67	83	307131	19.986	ug/l	98
31) Cyclohexane	6.96	56	287322	21.055	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	239681	18.215	ug/l	98
36) 1,1-Dichloropropene	7.15	75	229590	20.270	ug/l	99
37) Ethyl Acetate	6.19	43	110752	19.021	ug/l	98
38) Carbon Tetrachloride	7.12	117	249539	20.506	ug/l	98

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39) Methylcyclohexane	8.87	83	255045	20.599	ug/l	95
40) Benzene	7.46	78	609339	21.124	ug/l	100
41) Methacrylonitrile	6.45	41	59742m	16.424	ug/l	
42) 1,2-Dichloroethane	7.58	62	167881	20.685	ug/l	100
43) Isopropyl Acetate	9.24	43	164228	20.229	ug/l #	100
44) Trichloroethene	8.54	130	222970	22.571	ug/l	96
45) 1,2-Dichloropropane	8.94	63	159744	20.918	ug/l	98
46) Dibromomethane	9.07	93	97844	19.863	ug/l	98
47) Bromodichloromethane	9.38	83	223140	20.767	ug/l	96
48) Methyl methacrylate	9.13	41	93640	20.530	ug/l	99
49) 1,4-Dioxane	9.08	88	19358	405.413	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	503436	101.854	ug/l	98
52) Toluene	10.51	92	370351	19.984	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	200822	20.310	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	247196	20.162	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	128473	20.963	ug/l	97
56) Ethyl methacrylate	11.04	69	124670	19.189	ug/l	93
57) 1,3-Dichloropropane	11.41	76	186175	20.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	360705	103.952	ug/l	97
59) 2-Hexanone	11.53	43	375044	108.243	ug/l	99
60) Dibromochloromethane	11.68	129	184001	20.817	ug/l	100
61) 1,2-Dibromoethane	11.80	107	141926	19.712	ug/l	99
64) Tetrachloroethene	11.26	164	162945	20.380	ug/l	98
65) Chlorobenzene	12.39	112	463351	19.926	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	167946	20.126	ug/l	100
67) Ethyl Benzene	12.52	91	714437	21.101	ug/l	100
68) m/p-Xylenes	12.67	106	540305	39.941	ug/l	97
69) o-Xylene	13.04	106	261813	20.604	ug/l	99
70) Styrene	13.07	104	442859	20.889	ug/l	98
71) Bromoform	13.23	173	107078	20.274	ug/l	100
73) Isopropylbenzene	13.40	105	654724	18.443	ug/l	97
74) N-amyl acetate	13.27	43	205718	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	140562	19.092	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	143381	19.260	ug/l	99
77) Bromobenzene	13.67	156	189960	20.472	ug/l	97
78) n-propylbenzene	13.77	91	802587	19.651	ug/l	100
79) 2-Chlorotoluene	13.84	91	457858	19.629	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	530502	19.706	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	44197	20.060	ug/l	97
82) 4-Chlorotoluene	13.95	91	532263	20.805	ug/l	100
83) tert-Butylbenzene	14.19	119	662871	21.506	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	530502	19.706	ug/l	98
85) sec-Butylbenzene	14.36	105	688089	19.256	ug/l	93
86) p-Isopropyltoluene	14.49	119	617254	21.208	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	333932	21.183	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	313887	20.050	ug/l	99
89) n-Butylbenzene	14.80	91	584393	20.305	ug/l	99
90) Hexachloroethane	15.01	117	158457	18.878	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	281596	20.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16993	19.725	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	137941	17.393	ug/l	96
94) Hexachlorobutadiene	16.04	225	101612	19.962	ug/l	94
95) Naphthalene	16.12	128	227852	18.450	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	83400	18.726	ug/l	98

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

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