

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060943.D
 Acq On : 5 Mar 2019 12:39
 Operator : VA/AP
 Sample : VD0305SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Quant Time: Mar 06 04:24:22 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	7.06	168	745391	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1345317	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1031406	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	494024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	282238	45.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	6.94	113	469917	43.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	87.14%	
50) Toluene-d8	10.42	98	1162598	43.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	13.56	95	450364	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	174034	21.071	ug/l	99
3) Chloromethane	1.76	50	136455	19.909	ug/l	100
4) Vinyl Chloride	1.86	62	121626	19.642	ug/l	97
5) Bromomethane	2.17	94	16670	15.241	ug/l	96
6) Chloroethane	2.28	64	25302	16.960	ug/l	98
7) Trichlorofluoromethane	2.54	101	152500	20.518	ug/l	100
8) Diethyl Ether	2.89	74	56731	17.305	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	195971	19.439	ug/l	99
10) Methyl Iodide	3.32	142	231529	19.182	ug/l	97
11) Tert butyl alcohol	4.09	59	39790	86.638	ug/l	100
12) 1,1-Dichloroethene	3.14	96	158499	18.535	ug/l	94
13) Acrolein	3.05	56	57015	89.646	ug/l	97
14) Allyl chloride	3.64	41	264852	18.989	ug/l	98
15) Acrylonitrile	4.22	53	150108	85.361	ug/l	98
16) Acetone	3.24	43	201157	97.770	ug/l	99
17) Carbon Disulfide	3.39	76	578721	19.092	ug/l	99
18) Methyl Acetate	3.66	43	70751	16.794	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	278969	18.547	ug/l	99
20) Methylene Chloride	3.83	84	200655	18.241	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	174361	18.730	ug/l	97
22) Diisopropyl ether	5.13	45	541783	18.294	ug/l	93
23) Vinyl Acetate	5.07	43	1460172	93.885	ug/l	99
24) 1,1-Dichloroethane	5.00	63	286151	18.116	ug/l	99
25) 2-Butanone	6.09	43	238683	93.518	ug/l	100
26) 2,2-Dichloropropane	6.04	77	241110	20.548	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	203949	19.322	ug/l	97
28) Bromochloromethane	6.45	49	125764	18.956	ug/l #	98
29) Tetrahydrofuran	6.47	42	125868	95.809	ug/l	99
30) Chloroform	6.68	83	285838	18.659	ug/l	99
31) Cyclohexane	6.97	56	261536	19.225	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	257462	19.627	ug/l	99
36) 1,1-Dichloropropene	7.16	75	237270	19.182	ug/l	99
37) Ethyl Acetate	6.19	43	103669	16.304	ug/l	98
38) Carbon Tetrachloride	7.13	117	248388	18.691	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.87	83	267025	19.749	ug/l	97
40) Benzene	7.46	78	571146	18.131	ug/l	100
41) Methacrylonitrile	6.46	41	69608m	17.523	ug/l	
42) 1,2-Dichloroethane	7.59	62	169867	19.165	ug/l	100
43) Isopropyl Acetate	9.25	43	161730	18.242	ug/l #	98
44) Trichloroethene	8.55	130	209127	19.385	ug/l	98
45) 1,2-Dichloropropane	8.95	63	158157	18.964	ug/l	99
46) Dibromomethane	9.07	93	100092	18.607	ug/l	94
47) Bromodichloromethane	9.38	83	222785	18.987	ug/l	98
48) Methyl methacrylate	9.13	41	89846	18.038	ug/l	93
49) 1,4-Dioxane	9.09	88	18746	359.506	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	501225	92.859	ug/l	100
52) Toluene	10.52	92	398670	19.699	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	190332	17.627	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	251966	18.819	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	126581	18.913	ug/l	99
56) Ethyl methacrylate	11.05	69	130892	18.448	ug/l	96
57) 1,3-Dichloropropane	11.41	76	177193	18.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	346120	91.341	ug/l	97
59) 2-Hexanone	11.54	43	358430	94.729	ug/l	99
60) Dibromochloromethane	11.69	129	173667	17.992	ug/l	96
61) 1,2-Dibromoethane	11.81	107	149912	19.066	ug/l	95
64) Tetrachloroethene	11.26	164	158234	20.041	ug/l	98
65) Chlorobenzene	12.41	112	464261	20.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	164989	20.022	ug/l	98
67) Ethyl Benzene	12.52	91	698840	20.901	ug/l	99
68) m/p-Xylenes	12.67	106	540897	40.491	ug/l	98
69) o-Xylene	13.06	106	255618	20.371	ug/l	95
70) Styrene	13.08	104	424593	20.280	ug/l	97
71) Bromoform	13.24	173	96511	18.504	ug/l	99
73) Isopropylbenzene	13.41	105	698445	18.299	ug/l	99
74) N-amyl acetate	13.27	43	184076	16.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	128249	16.201	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	139550	17.434	ug/l	99
77) Bromobenzene	13.68	156	183687	18.411	ug/l	99
78) n-propylbenzene	13.78	91	863366	19.660	ug/l	97
79) 2-Chlorotoluene	13.84	91	459799	18.333	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	576890	19.930	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	40327	17.023	ug/l	99
82) 4-Chlorotoluene	13.95	91	569341	20.697	ug/l	97
83) tert-Butylbenzene	14.20	119	675320	20.377	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	576890	19.930	ug/l	99
85) sec-Butylbenzene	14.38	105	738458	19.220	ug/l	96
86) p-Isopropyltoluene	14.49	119	620654	19.833	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	355069	20.948	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	334980	19.901	ug/l	97
89) n-Butylbenzene	14.80	91	585158	18.727	ug/l	98
90) Hexachloroethane	15.02	117	162157	17.967	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	277483	18.895	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15690	16.938	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	140886	16.522	ug/l	99
94) Hexachlorobutadiene	16.04	225	103669	18.941	ug/l	98
95) Naphthalene	16.13	128	217939	16.412	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	80140	16.735	ug/l	98

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

