

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063018.D
 Acq On : 3 Jul 2019 11:58
 Operator : VA/AP
 Sample : VD0703SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0703SBS01

Quant Time: Jul 04 00:44:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	915040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1211301	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1032571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	420505	42.28	ug/l	-0.01
Spiked Amount			Recovery	=	84.56%	
35) Dibromofluoromethane	6.92	113	484077	47.40	ug/l	-0.01
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.40	98	960909	43.23	ug/l	-0.01
Spiked Amount			Recovery	=	86.46%	
62) 4-Bromofluorobenzene	13.55	95	445984	44.12	ug/l	0.00
Spiked Amount			Recovery	=	88.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	224070	18.923	ug/l	99
3) Chloromethane	1.74	50	165735	18.611	ug/l	95
4) Vinyl Chloride	1.84	62	157620	17.852	ug/l	99
5) Bromomethane	2.15	94	62579	15.134	ug/l	88
6) Chloroethane	2.25	64	82063	20.529	ug/l	99
7) Trichlorofluoromethane	2.52	101	355967	19.921	ug/l	94
8) Diethyl Ether	2.86	74	45912	20.222	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.14	101	191270	19.758	ug/l	92
10) Methyl Iodide	3.30	142	238478	18.673	ug/l	95
11) Tert butyl alcohol	4.08	59	46837	103.392	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	139266	19.177	ug/l	99
13) Acrolein	3.03	56	32923	71.190	ug/l	85
14) Allyl chloride	3.61	41	212417	19.796	ug/l	98
15) Acrylonitrile	4.19	53	108630	102.054	ug/l	92
16) Acetone	3.23	43	191261	90.356	ug/l	96
17) Carbon Disulfide	3.37	76	414422	17.856	ug/l #	94
18) Methyl Acetate	3.64	43	83517	27.815	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	311523	19.816	ug/l	99
20) Methylene Chloride	3.81	84	145571	19.191	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	145219	18.780	ug/l	88
22) Diisopropyl ether	5.12	45	445481	20.414	ug/l	99
23) Vinyl Acetate	5.06	43	1247081	91.328	ug/l	98
24) 1,1-Dichloroethane	4.98	63	266562	18.762	ug/l	97
25) 2-Butanone	6.07	43	203037	109.144	ug/l	93
26) 2,2-Dichloropropane	6.02	77	317254	21.067	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	160317	19.606	ug/l	86
28) Bromochloromethane	6.44	49	108322	21.647	ug/l	81
29) Tetrahydrofuran	6.47	42	90940	103.321	ug/l	95
30) Chloroform	6.66	83	351731	20.356	ug/l	98
31) Cyclohexane	6.95	56	180806	19.358	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	340050	18.895	ug/l	95
36) 1,1-Dichloropropene	7.15	75	223776	19.515	ug/l	97
37) Ethyl Acetate	6.18	43	94919	19.023	ug/l	96
38) Carbon Tetrachloride	7.11	117	338532	19.630	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	204191	20.230	ug/l	96
40) Benzene	7.45	78	452449	19.657	ug/l	97
41) Methacrylonitrile	6.46	41	128264	21.211	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	258559	20.592	ug/l	100
43) Isopropyl Acetate	9.24	43	127884	21.273	ug/l #	99
44) Trichloroethene	8.54	130	186082	20.621	ug/l	89
45) 1,2-Dichloropropane	8.94	63	113532	19.837	ug/l	95
46) Dibromomethane	9.07	93	102340	20.816	ug/l	85
47) Bromodichloromethane	9.38	83	260476	20.400	ug/l	97
48) Methyl methacrylate	9.12	41	85918	20.112	ug/l #	89
49) 1,4-Dioxane	9.08	88	14539	409.068	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	435314	102.134	ug/l	99
52) Toluene	10.51	92	323606	20.915	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	215018	20.574	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	220902	19.447	ug/l	88
55) 1,1,2-Trichloroethane	11.19	97	105233	19.797	ug/l	95
56) Ethyl methacrylate	11.04	69	115941	20.409	ug/l	97
57) 1,3-Dichloropropane	11.41	76	168520	20.705	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	281865	96.648	ug/l	98
59) 2-Hexanone	11.54	43	325395	107.197	ug/l	96
60) Dibromochloromethane	11.68	129	201324	20.333	ug/l	99
61) 1,2-Dibromoethane	11.80	107	124940	19.901	ug/l	90
64) Tetrachloroethene	11.26	164	174988	20.591	ug/l	92
65) Chlorobenzene	12.40	112	391812	20.446	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	172500	19.248	ug/l	91
67) Ethyl Benzene	12.52	91	680787	19.787	ug/l	98
68) m/p-Xylenes	12.67	106	488986	40.806	ug/l	99
69) o-Xylene	13.05	106	208448	19.029	ug/l	95
70) Styrene	13.07	104	371861	19.326	ug/l	97
71) Bromoform	13.24	173	118165	19.245	ug/l	92
73) Isopropylbenzene	13.41	105	702998	19.157	ug/l	99
74) N-amyl acetate	13.27	43	184109	20.659	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	125149	20.931	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	136857	20.714	ug/l	95
77) Bromobenzene	13.67	156	203990	20.667	ug/l	94
78) n-propylbenzene	13.77	91	847281	19.837	ug/l	92
79) 2-Chlorotoluene	13.84	91	497063	20.364	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	616137	19.989	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	33935	19.597	ug/l	92
82) 4-Chlorotoluene	13.95	91	592264	20.155	ug/l	100
83) tert-Butylbenzene	14.19	119	709201	20.642	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	653051	20.671	ug/l	94
85) sec-Butylbenzene	14.37	105	751023	20.112	ug/l	100
86) p-Isopropyltoluene	14.49	119	711571	20.829	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	366310	20.703	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	332000	18.682	ug/l	93
89) n-Butylbenzene	14.80	91	617070	19.299	ug/l	99
90) Hexachloroethane	15.01	117	180027	19.600	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	296060	19.558	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23186	19.868	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	213875	18.086	ug/l	98
94) Hexachlorobutadiene	16.04	225	178891	19.802	ug/l	96
95) Naphthalene	16.12	128	325372	19.631	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	181323	19.957	ug/l	96

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

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