

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063170.D
 Acq On : 22 Jul 2019 12:04
 Operator : VA/AP
 Sample : VD0722SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Quant Time: Jul 23 07:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	657490	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	948242	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	774054	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	452165	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	449785	54.92	ug/l	0.01
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	6.93	113	475098	50.30	ug/l	0.01
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.41	98	996505	49.12	ug/l	0.01
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	13.56	95	417749	44.51	ug/l	0.01
Spiked Amount			Recovery	=	89.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	189790	25.926	ug/l	94
3) Chloromethane	1.74	50	154845	24.272	ug/l #	85
4) Vinyl Chloride	1.84	62	147723	21.051	ug/l #	88
5) Bromomethane	2.14	94	55298	18.612	ug/l	94
6) Chloroethane	2.25	64	70646	21.673	ug/l #	85
7) Trichlorofluoromethane	2.52	101	307640	21.657	ug/l	95
8) Diethyl Ether	2.87	74	50457	25.251	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	182819	22.319	ug/l	100
10) Methyl Iodide	3.29	142	229738	22.846	ug/l	98
11) Tert butyl alcohol	4.08	59	55813	118.080	ug/l	97
12) 1,1-Dichloroethene	3.12	96	131239	22.563	ug/l	97
13) Acrolein	3.03	56	14726	103.225	ug/l	93
14) Allyl chloride	3.61	41	206375	22.575	ug/l	92
15) Acrylonitrile	4.19	53	122965	117.687	ug/l	90
16) Acetone	3.22	43	213158	107.754	ug/l	97
17) Carbon Disulfide	3.36	76	372436	22.370	ug/l	98
18) Methyl Acetate	3.64	43	99135	36.262	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	347387	23.659	ug/l	94
20) Methylene Chloride	3.81	84	160507	21.477	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	144749	22.417	ug/l	90
22) Diisopropyl ether	5.12	45	472857	23.791	ug/l	96
23) Vinyl Acetate	5.06	43	1335485	115.171	ug/l	99
24) 1,1-Dichloroethane	4.98	63	298060	24.345	ug/l #	97
25) 2-Butanone	6.08	43	223255	118.186	ug/l	99
26) 2,2-Dichloropropane	6.02	77	300592	22.184	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	165852	22.580	ug/l	100
28) Bromochloromethane	6.43	49	112867	25.411	ug/l	83
29) Tetrahydrofuran	6.46	42	97532	113.899	ug/l	96
30) Chloroform	6.67	83	344982	22.880	ug/l	96
31) Cyclohexane	6.96	56	173141	22.206	ug/l #	86
32) 1,1,1-Trichloroethane	6.87	97	348300	23.426	ug/l	95
36) 1,1-Dichloropropene	7.15	75	209024	19.600	ug/l	97
37) Ethyl Acetate	6.19	43	114904	25.175	ug/l	96
38) Carbon Tetrachloride	7.11	117	321228	19.823	ug/l	98

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39) Methylcyclohexane	8.87	83	173747	18.844	ug/l	93
40) Benzene	7.46	78	487016	21.804	ug/l	99
41) Methacrylonitrile	6.44	41	128741	20.805	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	263546	22.147	ug/l	99
43) Isopropyl Acetate	9.25	43	145869	22.297	ug/l #	99
44) Trichloroethene	8.54	130	187919	21.770	ug/l	94
45) 1,2-Dichloropropane	8.94	63	113282	20.342	ug/l	96
46) Dibromomethane	9.06	93	103746	21.679	ug/l	83
47) Bromodichloromethane	9.38	83	252126	20.190	ug/l	99
48) Methyl methacrylate	9.12	41	92238	21.470	ug/l #	87
49) 1,4-Dioxane	9.10	88	16838	454.451	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	487253	112.293	ug/l	98
52) Toluene	10.51	92	312051	20.921	ug/l	90
53) t-1,3-Dichloropropene	10.92	75	224096	20.946	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	226785	20.500	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	116495	22.601	ug/l	93
56) Ethyl methacrylate	11.04	69	109968	19.094	ug/l	92
57) 1,3-Dichloropropane	11.42	76	160251	20.431	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	344216	107.341	ug/l	99
59) 2-Hexanone	11.54	43	374561	111.931	ug/l	95
60) Dibromochloromethane	11.69	129	211715	21.427	ug/l	98
61) 1,2-Dibromoethane	11.81	107	126129	20.443	ug/l	90
64) Tetrachloroethene	11.26	164	173290	23.072	ug/l	95
65) Chlorobenzene	12.40	112	388012	21.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	187452	22.220	ug/l	97
67) Ethyl Benzene	12.53	91	700791	22.166	ug/l	99
68) m/p-Xylenes	12.68	106	477028	42.126	ug/l	96
69) o-Xylene	13.05	106	233922	21.786	ug/l	95
70) Styrene	13.08	104	410291	21.830	ug/l	97
71) Bromoform	13.24	173	132836	22.491	ug/l	92
73) Isopropylbenzene	13.40	105	707716	20.267	ug/l	97
74) N-amyl acetate	13.27	43	195673	20.092	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	13.70	83	135032	21.254	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	145670	20.943	ug/l	97
77) Bromobenzene	13.67	156	203462	20.546	ug/l	83
78) n-propylbenzene	13.78	91	823521	20.494	ug/l	99
79) 2-Chlorotoluene	13.85	91	483561	19.902	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	624634	20.524	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	31607	17.256	ug/l	92
82) 4-Chlorotoluene	13.96	91	592967	20.900	ug/l	98
83) tert-Butylbenzene	14.19	119	680499	19.775	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	607204	20.012	ug/l	96
85) sec-Butylbenzene	14.37	105	683692	18.700	ug/l	94
86) p-Isopropyltoluene	14.50	119	668482	19.599	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	336365	19.020	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	357729	21.100	ug/l	99
89) n-Butylbenzene	14.80	91	599654	19.074	ug/l	97
90) Hexachloroethane	15.01	117	180828	19.832	ug/l	74
91) 1,2-Dichlorobenzene	14.81	146	304851	19.359	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25051	20.571	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248292	20.987	ug/l	94
94) Hexachlorobutadiene	16.04	225	169417	19.428	ug/l	98
95) Naphthalene	16.13	128	368683	21.304	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	198266	20.832	ug/l	96

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

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