

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063840.D
 Acq On : 26 Sep 2019 16:25
 Operator : VA/SY
 Sample : MDL02
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Quant Time: Sep 27 18:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 18:19:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	213074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	338495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	321582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	156715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	103958	51.82	ug/l	0.00
Spiked Amount						
			Recovery	=	103.64%	
35) Dibromofluoromethane	7.94	113	102901	47.89	ug/l	0.00
Spiked Amount						
			Recovery	=	95.78%	
50) Toluene-d8	10.36	98	422133	52.19	ug/l	0.00
Spiked Amount						
			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.64	95	135170	46.57	ug/l	0.00
Spiked Amount						
			Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	3917	2.680	ug/l	73
3) Chloromethane	2.22	50	13222	2.986	ug/l	97
4) Vinyl Chloride	2.36	62	11878	2.628	ug/l	97
5) Bromomethane	2.79	94	8652	3.272	ug/l	91
6) Chloroethane	2.94	64	8305	2.668	ug/l #	80
7) Trichlorofluoromethane	3.29	101	18202	2.996	ug/l	99
8) Diethyl Ether	3.73	74	2855	2.882	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.12	101	5149	2.857	ug/l #	17
10) Methyl Iodide	4.31	142	5321	2.473	ug/l #	94
11) Tert butyl alcohol	5.27	59	249	1.591	ug/l #	53
12) 1,1-Dichloroethene	4.07	96	4737	2.603	ug/l #	64
13) Acrolein	3.94	56	2448	12.862	ug/l	89
14) Allyl chloride	4.76	41	9368	3.257	ug/l #	18
15) Acrylonitrile	5.46	53	5796	13.242	ug/l #	90
16) Acetone	4.18	43	8242	18.301	ug/l #	86
17) Carbon Disulfide	4.41	76	14760	2.400	ug/l #	92
18) Methyl Acetate	4.77	43	4020	3.625	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	11778	2.586	ug/l	92
20) Methylene Chloride	4.99	84	12978	4.790	ug/l #	93
21) trans-1,2-Dichloroethene	5.49	96	6455	3.048	ug/l	90
22) Diisopropyl ether	6.40	45	14566	2.452	ug/l #	88
23) Vinyl Acetate	6.34	43	43505	12.383	ug/l	95
24) 1,1-Dichloroethane	6.29	63	9621	2.666	ug/l #	81
25) 2-Butanone	7.25	43	9416	15.993	ug/l #	68
26) 2,2-Dichloropropane	7.24	77	9926	2.941	ug/l	90
27) cis-1,2-Dichloroethene	7.23	96	6036	2.540	ug/l	88
28) Bromochloromethane	7.58	49	4024	2.842	ug/l #	82
29) Tetrahydrofuran	7.61	42	5480	15.534	ug/l #	42
30) Chloroform	7.73	83	11142	2.843	ug/l	92
31) Cyclohexane	8.00	56	13733	3.812	ug/l #	76
32) 1,1,1-Trichloroethane	7.93	97	9229	2.604	ug/l	93
36) 1,1-Dichloropropene	8.13	75	8271	2.679	ug/l	97
37) Ethyl Acetate	7.33	43	3545	2.749	ug/l #	87
38) Carbon Tetrachloride	8.12	117	7878	2.451	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.38	83	11949	3.108	ug/l	92
40) Benzene	8.37	78	21060	2.477	ug/l	98
41) Methacrylonitrile	7.54	41	2006	2.634	ug/l #	86
42) 1,2-Dichloroethane	8.44	62	6344	2.551	ug/l	95
43) Isopropyl Acetate	8.47	43	7130	2.758	ug/l #	56
44) Trichloroethene	9.14	130	6559	2.664	ug/l	71
45) 1,2-Dichloropropane	9.41	63	5586	2.659	ug/l	94
46) Dibromomethane	9.50	93	2941	2.481	ug/l	96
47) Bromodichloromethane	9.68	83	8050	2.634	ug/l	91
48) Methyl methacrylate	9.47	41	2647	2.251	ug/l #	64
49) 1,4-Dioxane	9.48	88	988	59.738	ug/l #	74
51) 4-Methyl-2-Pentanone	10.25	43	16874	12.957	ug/l	94
52) Toluene	10.42	92	15894	2.757	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	7130	2.354	ug/l #	88
54) cis-1,3-Dichloropropene	10.11	75	8745	2.543	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	3820	2.280	ug/l #	82
56) Ethyl methacrylate	10.68	69	5144	2.416	ug/l #	85
57) 1,3-Dichloropropane	10.97	76	8226	2.890	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.96	63	13602	14.293	ug/l	97
59) 2-Hexanone	11.00	43	12013	12.928	ug/l	97
60) Dibromochloromethane	11.16	129	5144	2.327	ug/l	91
61) 1,2-Dibromoethane	11.26	107	4892	2.921	ug/l	86
64) Tetrachloroethene	10.88	164	5535	2.555	ug/l #	76
65) Chlorobenzene	11.68	112	17022	2.631	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	5595	2.353	ug/l	91
67) Ethyl Benzene	11.76	91	29437	2.519	ug/l	99
68) m/p-Xylenes	11.86	106	22162	4.939	ug/l	97
69) o-Xylene	12.19	106	11054	2.610	ug/l	93
70) Styrene	12.21	104	17865	2.492	ug/l	96
71) Bromoform	12.37	173	3057	2.315	ug/l #	99
73) Isopropylbenzene	12.49	105	29821	2.786	ug/l	94
74) N-amyl acetate	12.30	43	7000	2.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	4902	2.747	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	4776m	4.019	ug/l	
77) Bromobenzene	12.78	156	6570	2.554	ug/l	92
78) n-propylbenzene	12.84	91	34820	2.765	ug/l	97
79) 2-Chlorotoluene	12.92	91	19553	2.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	23221	2.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	1995m	3.353	ug/l	
82) 4-Chlorotoluene	13.01	91	18578	2.564	ug/l	96
83) tert-Butylbenzene	13.24	119	20052	2.572	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	22837	2.521	ug/l	98
85) sec-Butylbenzene	13.42	105	27901	2.572	ug/l	99
86) p-Isopropyltoluene	13.53	119	25536	2.506	ug/l	94
87) 1,3-Dichlorobenzene	13.53	146	12645	2.504	ug/l	91
88) 1,4-Dichlorobenzene	13.61	146	14018	2.791	ug/l	91
89) n-Butylbenzene	13.86	91	26855	2.769	ug/l	97
90) Hexachloroethane	14.13	117	4587	2.430	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	12670	2.924	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1042	3.461	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9003	2.736	ug/l	95
94) Hexachlorobutadiene	15.28	225	5236	2.809	ug/l	98
95) Naphthalene	15.41	128	16664	2.820	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	8401	2.880	ug/l	94

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

