

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063880.D
 Acq On : 03 Oct 2019 17:21
 Operator : VA/SY
 Sample : MDL06
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:35 PM

Quant Time: Oct 04 02:04:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	309879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145230	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	89155	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
35) Dibromofluoromethane	7.92	113	86420	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
50) Toluene-d8	10.34	98	358894	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.63	95	115389	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3012	2.329	ug/l #	37
3) Chloromethane	2.21	50	11264	2.844	ug/l	89
4) Vinyl Chloride	2.35	62	11984	2.867	ug/l	99
5) Bromomethane	2.77	94	7821	2.911	ug/l	84
6) Chloroethane	2.93	64	7568	2.738	ug/l	93
7) Trichlorofluoromethane	3.27	101	15371	2.782	ug/l	94
8) Diethyl Ether	3.71	74	2513	2.833	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4109	2.686	ug/l	97
10) Methyl Iodide	4.30	142	5213	2.473	ug/l #	93
11) Tert butyl alcohol	5.24	59	2209m	17.543	ug/l	
12) 1,1-Dichloroethene	4.06	96	4699	3.075	ug/l #	68
13) Acrolein	3.93	56	2222m	14.014	ug/l	
14) Allyl chloride	4.70	41	7948	3.128	ug/l #	95
15) Acrylonitrile	5.43	53	5290	13.528	ug/l	98
16) Acetone	4.17	43	8897	19.249	ug/l	92
17) Carbon Disulfide	4.40	76	13210	2.378	ug/l #	86
18) Methyl Acetate	4.72	43	2844	3.146	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	10499	2.653	ug/l	99
20) Methylene Chloride	4.96	84	14173	5.975	ug/l #	84
21) trans-1,2-Dichloroethene	5.48	96	5379	2.827	ug/l #	80
22) Diisopropyl ether	6.37	45	14247	2.746	ug/l #	97
23) Vinyl Acetate	6.31	43	36372m	11.783	ug/l	
24) 1,1-Dichloroethane	6.26	63	8377	2.621	ug/l #	84
25) 2-Butanone	7.23	43	8615	15.728	ug/l	93
26) 2,2-Dichloropropane	7.22	77	9340	3.230	ug/l	91
27) cis-1,2-Dichloroethene	7.22	96	5516	2.562	ug/l	85
28) Bromochloromethane	7.54	49	3834	3.201	ug/l	88
29) Tetrahydrofuran	7.58	42	4376	13.687	ug/l	89
30) Chloroform	7.71	83	9531	2.745	ug/l	99
31) Cyclohexane	7.98	56	10967	3.659	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	7403	2.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	6759	2.386	ug/l	92
37) Ethyl Acetate	7.30	43	4347	3.381	ug/l #	93
38) Carbon Tetrachloride	8.11	117	6527	2.280	ug/l #	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8790	2.523	ug/l #	86
40) Benzene	8.36	78	19733	2.430	ug/l	96
41) Methacrylonitrile	7.53	41	2096	3.191	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	5890	2.508	ug/l	92
43) Isopropyl Acetate	8.47	43	6052	2.547	ug/l #	75
44) Trichloroethene	9.12	130	5762	2.461	ug/l	99
45) 1,2-Dichloropropane	9.40	63	5084	2.558	ug/l	89
46) Dibromomethane	9.48	93	2637	2.330	ug/l	93
47) Bromodichloromethane	9.66	83	6359	2.182	ug/l	89
48) Methyl methacrylate	9.46	41	3752	3.296	ug/l #	76
49) 1,4-Dioxane	9.46	88	1043	67.511	ug/l #	40
51) 4-Methyl-2-Pentanone	10.23	43	15751	12.782	ug/l	94
52) Toluene	10.40	92	13986	2.509	ug/l	93
53) t-1,3-Dichloropropene	10.62	75	6914	2.431	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	7843	2.396	ug/l #	79
55) 1,1,2-Trichloroethane	10.80	97	4435	2.775	ug/l #	80
56) Ethyl methacrylate	10.67	69	4228	2.089	ug/l #	74
57) 1,3-Dichloropropane	10.95	76	6360	2.326	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.95	63	9597	11.033	ug/l	90
59) 2-Hexanone	10.98	43	10158	11.395	ug/l	95
60) Dibromochloromethane	11.14	129	4606	2.214	ug/l	97
61) 1,2-Dibromoethane	11.25	107	3495	2.256	ug/l	87
64) Tetrachloroethene	10.87	164	5137	2.530	ug/l #	79
65) Chlorobenzene	11.67	112	14194	2.377	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.74	131	4866	2.211	ug/l	94
67) Ethyl Benzene	11.74	91	24466	2.272	ug/l	92
68) m/p-Xylenes	11.86	106	18335	4.411	ug/l	97
69) o-Xylene	12.18	106	9287	2.333	ug/l	86
70) Styrene	12.20	104	14081	2.090	ug/l	94
71) Bromoform	12.37	173	2577	2.182	ug/l #	95
73) Isopropylbenzene	12.48	105	22308	2.285	ug/l	94
74) N-amyl acetate	12.29	43	5004	2.381	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.73	83	4468	2.630	ug/l	89
76) 1,2,3-Trichloropropane	12.79	75	2277m	2.341	ug/l	
77) Bromobenzene	12.76	156	6223	2.558	ug/l	95
78) n-propylbenzene	12.82	91	27396	2.391	ug/l	99
79) 2-Chlorotoluene	12.91	91	15877	2.513	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	18626	2.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1466m	2.667	ug/l	
82) 4-Chlorotoluene	13.01	91	16519	2.464	ug/l	99
83) tert-Butylbenzene	13.22	119	16092	2.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	18883	2.249	ug/l	100
85) sec-Butylbenzene	13.40	105	22749	2.324	ug/l	99
86) p-Isopropyltoluene	13.51	119	19412	2.096	ug/l	94
87) 1,3-Dichlorobenzene	13.52	146	11088	2.307	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	11923	2.515	ug/l	87
89) n-Butylbenzene	13.84	91	20688	2.399	ug/l	97
90) Hexachloroethane	14.11	117	3707	2.225	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	9837	2.375	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	487	1.657	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	8043	2.517	ug/l	98
94) Hexachlorobutadiene	15.27	225	4532	2.570	ug/l	95
95) Naphthalene	15.40	128	12028	2.239	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.59	180	6138	2.226	ug/l	91

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

