

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063866.D
 Acq On : 02 Oct 2019 18:12
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:28 PM

Quant Time: Oct 03 03:46:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	354387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	209352	99.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.50%	
35) Dibromofluoromethane	7.92	113	216121	96.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.24%	
50) Toluene-d8	10.34	98	861162	101.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.30%	
62) 4-Bromofluorobenzene	12.63	95	299922	98.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	135460	87.719	ug/l	90
3) Chloromethane	2.21	50	405250	86.798	ug/l	97
4) Vinyl Chloride	2.34	62	454827	95.217	ug/l	97
5) Bromomethane	2.76	94	305430	108.152	ug/l	96
6) Chloroethane	2.91	64	299521	91.308	ug/l	93
7) Trichlorofluoromethane	3.27	101	591027	92.582	ug/l	98
8) Diethyl Ether	3.70	74	97965	92.740	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	166137	89.038	ug/l	99
10) Methyl Iodide	4.29	142	265786	116.992	ug/l	99
11) Tert butyl alcohol	5.25	59	76937	467.026	ug/l	98
12) 1,1-Dichloroethene	4.06	96	173647	91.859	ug/l	95
13) Acrolein	3.93	56	87041	439.702	ug/l	90
14) Allyl chloride	4.71	41	275556	91.247	ug/l	98
15) Acrylonitrile	5.43	53	227980	494.976	ug/l	99
16) Acetone	4.16	43	283366	569.383	ug/l	97
17) Carbon Disulfide	4.40	76	639313	99.208	ug/l #	94
18) Methyl Acetate	4.73	43	98387	85.023	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	467852	98.312	ug/l	96
20) Methylene Chloride	4.96	84	236390	83.288	ug/l	100
21) trans-1,2-Dichloroethene	5.46	96	219985	99.108	ug/l	99
22) Diisopropyl ether	6.37	45	574911	92.799	ug/l	96
23) Vinyl Acetate	6.31	43	1786567	484.809	ug/l	100
24) 1,1-Dichloroethane	6.27	63	367603	97.189	ug/l	97
25) 2-Butanone	7.23	43	331060	523.932	ug/l	96
26) 2,2-Dichloropropane	7.21	77	324414	92.730	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	253024	102.110	ug/l	98
28) Bromochloromethane	7.55	49	149532	102.800	ug/l	96
29) Tetrahydrofuran	7.57	42	173443	469.768	ug/l	99
30) Chloroform	7.71	83	398825	97.581	ug/l	97
31) Cyclohexane	7.98	56	312905	84.281	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	347611	94.322	ug/l	98
36) 1,1-Dichloropropene	8.11	75	303095	94.225	ug/l	98
37) Ethyl Acetate	7.30	43	125638	91.504	ug/l	100
38) Carbon Tetrachloride	8.10	117	314325	94.536	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	365781	91.577	ug/l	93
40) Benzene	8.35	78	886372	99.383	ug/l	99
41) Methacrylonitrile	7.54	41	65221	84.002	ug/l	95
42) 1,2-Dichloroethane	8.43	62	246572	94.375	ug/l	100
43) Isopropyl Acetate	8.46	43	246555	91.010	ug/l	99
44) Trichloroethene	9.11	130	252900	97.728	ug/l	98
45) 1,2-Dichloropropane	9.39	63	214975	97.429	ug/l	93
46) Dibromomethane	9.48	93	127117	101.891	ug/l	98
47) Bromodichloromethane	9.67	83	320230	99.933	ug/l	99
48) Methyl methacrylate	9.46	41	112018	90.712	ug/l	96
49) 1,4-Dioxane	9.47	88	34784	1968.396	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	646423	470.474	ug/l	97
52) Toluene	10.40	92	602021	99.329	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	317300	99.826	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	367301	102.043	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	174100	99.122	ug/l	96
56) Ethyl methacrylate	10.66	69	223949	99.997	ug/l	97
57) 1,3-Dichloropropane	10.95	76	288253	95.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	537231	536.937	ug/l	100
59) 2-Hexanone	10.98	43	501155	502.957	ug/l	100
60) Dibromochloromethane	11.14	129	239075	103.026	ug/l	98
61) 1,2-Dibromoethane	11.24	107	176656	100.243	ug/l	98
64) Tetrachloroethene	10.87	164	231654	97.957	ug/l	97
65) Chlorobenzene	11.67	112	694777	97.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	260017	99.945	ug/l	98
67) Ethyl Benzene	11.74	91	1254328	98.430	ug/l	98
68) m/p-Xylenes	11.86	106	979644	199.192	ug/l	99
69) o-Xylene	12.18	106	465694	100.601	ug/l	97
70) Styrene	12.20	104	800641	101.826	ug/l	100
71) Bromoform	12.36	173	149705	104.051	ug/l #	100
73) Isopropylbenzene	12.48	105	1223069	94.479	ug/l	98
74) N-amyl acetate	12.29	43	257163	90.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	196362	90.636	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	145930m	101.107	ug/l	
77) Bromobenzene	12.76	156	317522	101.509	ug/l	95
78) n-propylbenzene	12.82	91	1434208	94.088	ug/l	100
79) 2-Chlorotoluene	12.91	91	784744	95.553	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1042053	96.621	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	66220	91.414	ug/l	99
82) 4-Chlorotoluene	13.00	91	814007	92.580	ug/l	99
83) tert-Butylbenzene	13.22	119	926446	97.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1064387	97.180	ug/l	99
85) sec-Butylbenzene	13.40	105	1216257	92.750	ug/l	99
86) p-Isopropyltoluene	13.51	119	1203023	97.934	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	611616	99.776	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	599978	98.066	ug/l	97
89) n-Butylbenzene	13.84	91	1084644	93.081	ug/l	99
90) Hexachloroethane	14.11	117	219511	96.647	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	526328	99.676	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31777	85.000	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	417011	104.283	ug/l	99
94) Hexachlorobutadiene	15.27	225	232064	102.550	ug/l	98
95) Naphthalene	15.40	128	714280	99.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	359613	101.367	ug/l	99

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

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