

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063948.D
 Acq On : 11 Oct 2019 20:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:59 PM

Quant Time: Oct 12 03:23:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	156307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	262951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	265267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	79921	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	7.92	113	82496	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.34	98	335510	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.63	95	113194	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	50280	45.359	ug/l	96
3) Chloromethane	2.21	50	173669	58.769	ug/l	96
4) Vinyl Chloride	2.34	62	185612	51.808	ug/l	98
5) Bromomethane	2.77	94	123147	53.466	ug/l	97
6) Chloroethane	2.92	64	127124	53.654	ug/l	97
7) Trichlorofluoromethane	3.27	101	255307	53.898	ug/l	96
8) Diethyl Ether	3.70	74	39455	51.894	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62966	48.022	ug/l	93
10) Methyl Iodide	4.29	142	89267	49.408	ug/l	98
11) Tert butyl alcohol	5.24	59	26038	246.168	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	60788	46.404	ug/l	97
13) Acrolein	3.93	56	17997	132.414	ug/l	96
14) Allyl chloride	4.71	41	112387	51.603	ug/l	97
15) Acrylonitrile	5.43	53	101359	302.382	ug/l	96
16) Acetone	4.16	43	85651	216.182	ug/l	92
17) Carbon Disulfide	4.40	76	221851	46.589	ug/l	96
18) Methyl Acetate	4.72	43	50210	64.794	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	183210	54.009	ug/l	99
20) Methylene Chloride	4.97	84	95448	54.569	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	84918	52.072	ug/l	99
22) Diisopropyl ether	6.37	45	249361	56.061	ug/l	97
23) Vinyl Acetate	6.31	43	741223	280.122	ug/l	99
24) 1,1-Dichloroethane	6.26	63	146163	53.348	ug/l	98
25) 2-Butanone	7.22	43	130163	277.215	ug/l	95
26) 2,2-Dichloropropane	7.21	77	115960	46.788	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	102307	55.426	ug/l	97
28) Bromochloromethane	7.56	49	65682	62.570	ug/l	98
29) Tetrahydrofuran	7.57	42	80478	293.650	ug/l	96
30) Chloroform	7.71	83	160663	53.991	ug/l	91
31) Cyclohexane	7.98	56	125508	55.876	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	136312	53.401	ug/l	99
36) 1,1-Dichloropropene	8.11	75	121207	50.414	ug/l	98
37) Ethyl Acetate	7.30	43	52735	55.109	ug/l	98
38) Carbon Tetrachloride	8.10	117	124149	51.099	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146885	49.688	ug/l #	87
40) Benzene	8.36	78	360218	52.283	ug/l	100
41) Methacrylonitrile	7.53	41	29406	52.755	ug/l	88
42) 1,2-Dichloroethane	8.43	62	102959	51.661	ug/l	99
43) Isopropyl Acetate	8.46	43	102710	50.941	ug/l	99
44) Trichloroethene	9.11	130	96884	48.765	ug/l	89
45) 1,2-Dichloropropane	9.39	63	89709	53.196	ug/l	97
46) Dibromomethane	9.48	93	52750	54.924	ug/l	98
47) Bromodichloromethane	9.67	83	128938	52.144	ug/l	99
48) Methyl methacrylate	9.46	41	48582	50.289	ug/l	97
49) 1,4-Dioxane	9.47	88	15029	1146.411	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	286596	274.076	ug/l	98
52) Toluene	10.40	92	249530	52.758	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	126905	52.594	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	144427	51.999	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	74653	55.051	ug/l	98
56) Ethyl methacrylate	10.66	69	92594	53.920	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125073	53.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	219251	297.030	ug/l	100
59) 2-Hexanone	10.99	43	202368	267.535	ug/l	99
60) Dibromochloromethane	11.14	129	96063	54.413	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76506	58.195	ug/l	100
64) Tetrachloroethene	10.88	164	94244	52.042	ug/l	97
65) Chlorobenzene	11.67	112	285610	53.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	101631	51.774	ug/l	98
67) Ethyl Benzene	11.74	91	502061	52.265	ug/l	98
68) m/p-Xylenes	11.86	106	398717	107.536	ug/l	98
69) o-Xylene	12.18	106	185565	52.267	ug/l	99
70) Styrene	12.20	104	332736	55.362	ug/l	97
71) Bromoform	12.36	173	61171	58.066	ug/l #	99
73) Isopropylbenzene	12.48	105	493024	49.609	ug/l	99
74) N-amyl acetate	12.29	43	103852	48.535	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	89660	51.845	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	58790m	59.374	ug/l	
77) Bromobenzene	12.76	156	129582	52.335	ug/l	97
78) n-propylbenzene	12.82	91	592365	50.780	ug/l	99
79) 2-Chlorotoluene	12.91	91	325730	50.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	416025	50.177	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27122	48.472	ug/l	98
82) 4-Chlorotoluene	13.01	91	337343	49.439	ug/l	100
83) tert-Butylbenzene	13.23	119	366259	49.635	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	437255	51.155	ug/l	98
85) sec-Butylbenzene	13.40	105	501909	50.367	ug/l	99
86) p-Isopropyltoluene	13.51	119	489413	51.902	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	251203	51.346	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	249868	51.770	ug/l	99
89) n-Butylbenzene	13.84	91	439064	50.022	ug/l	98
90) Hexachloroethane	14.11	117	88091	51.941	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	228863	54.282	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14328	53.496	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160022	49.189	ug/l	99
94) Hexachlorobutadiene	15.27	225	88258	49.162	ug/l	96
95) Naphthalene	15.40	128	298739	54.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	142279	50.690	ug/l	97

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

