

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063927.D
 Acq On : 11 Oct 2019 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:41 PM

Quant Time: Oct 12 01:43:50 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	199532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	86952	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.91	113	87936	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.34	98	367430	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.63	95	124331	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	59982	42.389	ug/l	91
3) Chloromethane	2.21	50	193341	50.638	ug/l	96
4) Vinyl Chloride	2.35	62	223166	48.796	ug/l	100
5) Bromomethane	2.77	94	129251	43.960	ug/l	97
6) Chloroethane	2.93	64	146357	48.390	ug/l	96
7) Trichlorofluoromethane	3.27	101	305579	50.536	ug/l	94
8) Diethyl Ether	3.71	74	44404	45.752	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	78314	46.789	ug/l	96
10) Methyl Iodide	4.29	142	107151	46.459	ug/l	100
11) Tert butyl alcohol	5.24	59	27801	204.542	ug/l	97
12) 1,1-Dichloroethene	4.06	96	77647	46.433	ug/l	93
13) Acrolein	3.92	56	37513	216.212	ug/l	92
14) Allyl chloride	4.71	41	125101	44.997	ug/l	99
15) Acrylonitrile	5.43	53	100468	234.794	ug/l	97
16) Acetone	4.16	43	124075	245.322	ug/l	95
17) Carbon Disulfide	4.40	76	263204	43.299	ug/l #	96
18) Methyl Acetate	4.73	43	45834	46.334	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	195224	45.084	ug/l	96
20) Methylene Chloride	4.96	84	102704	45.494	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	99278	47.690	ug/l	95
22) Diisopropyl ether	6.36	45	270813	47.694	ug/l	97
23) Vinyl Acetate	6.31	43	801779	237.366	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165961	47.452	ug/l	96
25) 2-Butanone	7.22	43	147227	245.631	ug/l	93
26) 2,2-Dichloropropane	7.21	77	152582	48.228	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112368	47.689	ug/l	99
28) Bromochloromethane	7.55	49	71914	53.931	ug/l	96
29) Tetrahydrofuran	7.57	42	78972	225.732	ug/l	96
30) Chloroform	7.71	83	177592	46.751	ug/l	93
31) Cyclohexane	7.98	56	154229	53.626	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	163722	50.244	ug/l	98
36) 1,1-Dichloropropene	8.11	75	147257	52.316	ug/l	99
37) Ethyl Acetate	7.30	43	54554	48.190	ug/l	99
38) Carbon Tetrachloride	8.10	117	148359	52.158	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	182187	52.642	ug/l	93
40) Benzene	8.35	78	415680	51.533	ug/l	96
41) Methacrylonitrile	7.53	41	28553	43.753	ug/l	94
42) 1,2-Dichloroethane	8.43	62	114192	48.940	ug/l	100
43) Isopropyl Acetate	8.46	43	108217	45.844	ug/l	97
44) Trichloroethene	9.11	130	119788	51.500	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98420	49.850	ug/l	90
46) Dibromomethane	9.48	93	55469	49.332	ug/l	96
47) Bromodichloromethane	9.67	83	142688	49.289	ug/l	96
48) Methyl methacrylate	9.46	41	49895	44.115	ug/l	96
49) 1,4-Dioxane	9.47	88	14579	949.887	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	283124	231.266	ug/l	98
52) Toluene	10.40	92	283613	51.218	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	136620	48.362	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	160215	49.270	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	78809	49.640	ug/l	97
56) Ethyl methacrylate	10.66	69	96007	47.753	ug/l	97
57) 1,3-Dichloropropane	10.95	76	139625	51.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	190994	221.010	ug/l	100
59) 2-Hexanone	10.98	43	220723	249.242	ug/l	98
60) Dibromochloromethane	11.14	129	103665	50.154	ug/l	100
61) 1,2-Dibromoethane	11.25	107	78149	50.775	ug/l	100
64) Tetrachloroethene	10.88	164	106111	50.639	ug/l	92
65) Chlorobenzene	11.67	112	320407	51.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	114299	50.321	ug/l	100
67) Ethyl Benzene	11.74	91	581433	52.309	ug/l	97
68) m/p-Xylenes	11.86	106	463986	108.147	ug/l	97
69) o-Xylene	12.18	106	212128	51.635	ug/l	95
70) Styrene	12.20	104	360319	51.810	ug/l	100
71) Bromoform	12.36	173	64843	53.194	ug/l #	96
73) Isopropylbenzene	12.48	105	574557	49.943	ug/l	97
74) N-amyl acetate	12.29	43	110414	44.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	90278	45.096	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	59795m	52.169	ug/l	
77) Bromobenzene	12.76	156	141471	49.358	ug/l	95
78) n-propylbenzene	12.82	91	688024	50.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	363318	48.795	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	491300	51.189	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29915	46.186	ug/l	96
82) 4-Chlorotoluene	13.01	91	379493	48.045	ug/l	97
83) tert-Butylbenzene	13.23	119	426163	49.892	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	500860	50.620	ug/l	98
85) sec-Butylbenzene	13.40	105	607760	52.687	ug/l	99
86) p-Isopropyltoluene	13.52	119	584794	53.574	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	282402	49.865	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	281467	50.378	ug/l	99
89) n-Butylbenzene	13.84	91	535563	52.710	ug/l	99
90) Hexachloroethane	14.11	117	102652	52.287	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	250845	51.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14661	46.988	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	185153	49.166	ug/l	98
94) Hexachlorobutadiene	15.27	225	111745	53.772	ug/l	99
95) Naphthalene	15.40	128	312429	49.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	160637	49.440	ug/l	99

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

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