

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060370.D
 Acq On : 14 Nov 2018 10:20
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 14:33:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1679235	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2359477	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1893372	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	981286	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	632325	52.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	6.30	113	919573	52.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.43	98	2645365	51.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.42	95	966034	51.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	677311	51.57	ug/l	98
3) Chloromethane	1.77	50	670342	42.14	ug/l	100
4) Vinyl Chloride	1.86	62	598293	46.06	ug/l	96
5) Bromomethane	2.15	94	159983	51.91	ug/l	94
6) Chloroethane	2.26	64	197489	45.82	ug/l	98
7) Trichlorofluoromethane	2.51	101	781360	51.02	ug/l	96
8) Diethyl Ether	2.82	74	136132	49.10	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	492993	48.94	ug/l	96
10) Methyl Iodide	3.24	142	597653	45.68	ug/l	99
11) Tert butyl alcohol	3.95	59	133238	269.86	ug/l #	92
12) 1,1-Dichloroethene	3.07	96	395355	48.25	ug/l	99
13) Acrolein	2.98	56	125231	214.66	ug/l	99
14) Allyl chloride	3.53	41	756869	48.28	ug/l	96
15) Acrylonitrile	4.07	53	735087	255.31	ug/l	99
16) Acetone	3.15	43	548615	263.05	ug/l	99
17) Carbon Disulfide	3.31	76	1175229	44.44	ug/l	99
18) Methyl Acetate	3.55	43	205330	46.17	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	1228750	50.08	ug/l	98
20) Methylene Chloride	3.71	84	962758	52.04	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	916385	50.37	ug/l	99
22) Diisopropyl ether	4.84	45	2988150	51.02	ug/l	94
23) Vinyl Acetate	4.79	43	7365445	252.72	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1552736	51.70	ug/l	99
25) 2-Butanone	5.61	43	1143145	263.70	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1267348	54.27	ug/l	96
27) cis-1,2-Dichloroethene	5.58	96	981453	51.78	ug/l	97
28) Bromochloromethane	5.91	49	709293	53.52	ug/l	89
29) Tetrahydrofuran	5.93	42	569446	249.15	ug/l	98
30) Chloroform	6.09	83	1584302	52.76	ug/l	99
31) Cyclohexane	6.34	56	1357919	47.30	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	1286566	50.87	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1191414	51.11	ug/l	98
37) Ethyl Acetate	5.68	43	558996	52.11	ug/l	98
38) Carbon Tetrachloride	6.48	117	1092137	50.51	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1369774	51.09	ug/l	99
40) Benzene	6.78	78	3174634	53.35	ug/l	99
41) Methacrylonitrile	5.93	41	616553	50.22	ug/l #	95
42) 1,2-Dichloroethane	6.88	62	822948	52.84	ug/l	98
43) Isopropyl Acetate	8.33	43	690018	51.21	ug/l #	99
44) Trichloroethene	7.72	130	961330	53.30	ug/l	99
45) 1,2-Dichloropropane	8.09	63	787072	52.45	ug/l	97
46) Dibromomethane	8.19	93	465485	52.96	ug/l	99
47) Bromodichloromethane	8.47	83	1097372	52.98	ug/l	99
48) Methyl methacrylate	8.22	41	420358	51.36	ug/l	96
49) 1,4-Dioxane	8.21	88	77400	1093.01	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	2277021	259.65	ug/l	99
52) Toluene	9.53	92	1942632	51.11	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	946128	54.07	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	1205144	53.69	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	555557	50.43	ug/l	98
56) Ethyl methacrylate	10.01	69	549683	54.27	ug/l	98
57) 1,3-Dichloropropane	10.36	76	900466	53.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1572419	256.74	ug/l	100
59) 2-Hexanone	10.47	43	1737356	277.96	ug/l	100
60) Dibromochloromethane	10.63	129	735519	54.92	ug/l	98
61) 1,2-Dibromoethane	10.74	107	580456	52.59	ug/l	99
64) Tetrachloroethene	10.23	164	895376	52.97	ug/l	97
65) Chlorobenzene	11.29	112	2107941	51.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	727569	54.20	ug/l	97
67) Ethyl Benzene	11.41	91	3500901	49.89	ug/l	100
68) m/p-Xylenes	11.55	106	2629301	101.57	ug/l	99
69) o-Xylene	11.92	106	1294979	51.78	ug/l	93
70) Styrene	11.94	104	2073142	51.29	ug/l	99
71) Bromoform	12.10	173	490351	54.36	ug/l	99
73) Isopropylbenzene	12.26	105	3483055	48.72	ug/l	99
74) N-amyl acetate	12.12	43	875985	47.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	576839	49.33	ug/l	97
76) 1,2,3-Trichloropropane	12.58	75	591911	50.42	ug/l	97
77) Bromobenzene	12.52	156	963505	50.74	ug/l	97
78) n-propylbenzene	12.62	91	4402663	49.34	ug/l	99
79) 2-Chlorotoluene	12.69	91	2435530	49.83	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2647411	47.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	174870	52.33	ug/l	98
82) 4-Chlorotoluene	12.80	91	2659480	48.44	ug/l	89
83) tert-Butylbenzene	13.04	119	3173900	51.45	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2721420	49.04	ug/l	95
85) sec-Butylbenzene	13.21	105	3756857	49.64	ug/l	94
86) p-Isopropyltoluene	13.33	119	2927589	48.04	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1716791	50.81	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	1673237	50.71	ug/l	98
89) n-Butylbenzene	13.64	91	3061991	52.00	ug/l	99
90) Hexachloroethane	13.84	117	750659	51.94	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1376109	49.59	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	71084	50.36	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1089166	49.50	ug/l	97
94) Hexachlorobutadiene	14.87	225	793841	48.23	ug/l	99
95) Naphthalene	14.96	128	1328075	49.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	873107	49.52	ug/l	99

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

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