

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100518\
 Data File : VD060137.D
 Acq On : 5 Oct 2018 13:09
 Operator : VA/AP
 Sample : VD1005SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBSD01

Manual Integrations
 APPROVED

apatel
 10/8/2018 12:23:00 PM

Quant Time: Oct 06 00:01:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1572073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2142985	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1770480	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	917325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	636424	53.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	6.31	113	869646	53.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	9.45	98	2397657	51.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.42	95	915533	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	273867	18.519	ug/l	98
3) Chloromethane	1.74	50	279363	20.950	ug/l	99
4) Vinyl Chloride	1.84	62	228974	20.982	ug/l	99
5) Bromomethane	2.12	94	22705	16.570	ug/l	99
6) Chloroethane	2.22	64	51699	17.361	ug/l	100
7) Trichlorofluoromethane	2.48	101	254636	19.487	ug/l	98
8) Diethyl Ether	2.80	74	57132	21.263	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	175371	21.544	ug/l	99
10) Methyl Iodide	3.22	142	164040	19.002	ug/l	97
11) Tert butyl alcohol	3.96	59	83053	97.179	ug/l	95
12) 1,1-Dichloroethene	3.05	96	139836	21.805	ug/l	98
13) Acrolein	2.96	56	54316	103.098	ug/l	97
14) Allyl chloride	3.51	41	274517	20.611	ug/l	98
15) Acrylonitrile	4.06	53	388162	109.729	ug/l	98
16) Acetone	3.14	43	248126	114.751	ug/l	99
17) Carbon Disulfide	3.29	76	454811	21.090	ug/l	98
18) Methyl Acetate	3.53	43	91109	19.604	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	613643	21.764	ug/l	98
20) Methylene Chloride	3.70	84	402666	21.179	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	346834	20.941	ug/l	97
22) Diisopropyl ether	4.83	45	1301803	21.886	ug/l	93
23) Vinyl Acetate	4.78	43	3795404	113.516	ug/l	100
24) 1,1-Dichloroethane	4.73	63	571385	21.186	ug/l	98
25) 2-Butanone	5.60	43	646693	119.714	ug/l	97
26) 2,2-Dichloropropane	5.57	77	445988	21.814	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	363725	20.728	ug/l	92
28) Bromochloromethane	5.90	49	277679	21.188	ug/l	95
29) Tetrahydrofuran	5.93	42	341036	108.689	ug/l	99
30) Chloroform	6.08	83	574622	21.063	ug/l	100
31) Cyclohexane	6.35	56	528459	20.469	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	480277	21.488	ug/l	98
36) 1,1-Dichloropropene	6.50	75	445450	21.753	ug/l	97
37) Ethyl Acetate	5.68	43	304887	22.430	ug/l	97
38) Carbon Tetrachloride	6.48	117	399222	21.479	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	493026	21.190	ug/l	97
40) Benzene	6.78	78	1130537	21.102	ug/l	99
41) Methacrylonitrile	5.90	41	155263m	20.209	ug/l	
42) 1,2-Dichloroethane	6.88	62	333337	21.702	ug/l	100
43) Isopropyl Acetate	8.33	43	384381	21.495	ug/l #	99
44) Trichloroethene	7.72	130	349243	21.059	ug/l	98
45) 1,2-Dichloropropane	8.09	63	302567	21.569	ug/l	100
46) Dibromomethane	8.20	93	198244	21.828	ug/l	93
47) Bromodichloromethane	8.47	83	422947	21.856	ug/l	99
48) Methyl methacrylate	8.24	41	222964	21.889	ug/l	98
49) 1,4-Dioxane	8.22	88	45299	451.979	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1251564	110.964	ug/l	98
52) Toluene	9.53	92	747918	21.677	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	388478	22.187	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	471460	21.805	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	250804	22.235	ug/l	98
56) Ethyl methacrylate	10.02	69	267331	21.470	ug/l	94
57) 1,3-Dichloropropane	10.37	76	373087	21.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	777825	112.496	ug/l	99
59) 2-Hexanone	10.48	43	977506	120.523	ug/l	99
60) Dibromochloromethane	10.63	129	303087	21.900	ug/l	99
61) 1,2-Dibromoethane	10.75	107	257742	21.506	ug/l	96
64) Tetrachloroethene	10.24	164	322830	20.819	ug/l	96
65) Chlorobenzene	11.31	112	799919	20.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	273925	21.438	ug/l	97
67) Ethyl Benzene	11.41	91	1318408	21.245	ug/l	95
68) m/p-Xylenes	11.56	106	997600	43.025	ug/l	96
69) o-Xylene	11.93	106	485121	21.152	ug/l	93
70) Styrene	11.95	104	788926	20.570	ug/l	99
71) Bromoform	12.11	173	214843	20.764	ug/l #	97
73) Isopropylbenzene	12.27	105	1275686	21.080	ug/l	100
74) N-amyl acetate	12.12	43	490348	22.121	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	284561	21.538	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	290654	22.002	ug/l	99
77) Bromobenzene	12.54	156	371189	21.107	ug/l	87
78) n-propylbenzene	12.63	91	1704920	22.688	ug/l	97
79) 2-Chlorotoluene	12.70	91	928685	22.267	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1051759	22.455	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	80898	21.794	ug/l	98
82) 4-Chlorotoluene	12.80	91	1082103	22.939	ug/l	95
83) tert-Butylbenzene	13.04	119	1182911	22.008	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1079775	21.874	ug/l	99
85) sec-Butylbenzene	13.22	105	1408118	22.157	ug/l	100
86) p-Isopropyltoluene	13.33	119	1133346	21.743	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	665387	21.717	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	646368	21.003	ug/l	99
89) n-Butylbenzene	13.64	91	1144636	22.505	ug/l	99
90) Hexachloroethane	13.86	117	249675	20.697	ug/l	71
91) 1,2-Dichlorobenzene	13.66	146	596538	23.155	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36396	20.632	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	461965	21.126	ug/l	99
94) Hexachlorobutadiene	14.88	225	305692	21.031	ug/l	99
95) Naphthalene	14.96	128	670634	20.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	384484	20.212	ug/l	99

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

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