

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060702.D
 Acq On : 22 Dec 2018 12:10
 Operator : VA/AP
 Sample : VD1222SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:04:11 AM

Quant Time: Dec 24 02:30:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1598842	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2210675	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1762609	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	880363	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	591138	53.50	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	6.36	113	835315	51.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	9.48	98	2409942	49.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.44	95	861596	50.96	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	345576	16.916	ug/l	97
3) Chloromethane	1.78	50	341410	18.159	ug/l	99
4) Vinyl Chloride	1.88	62	269531	18.056	ug/l	97
5) Bromomethane	2.18	94	43601	13.040	ug/l	98
6) Chloroethane	2.29	64	75182	16.877	ug/l	98
7) Trichlorofluoromethane	2.54	101	299504	18.039	ug/l	100
8) Diethyl Ether	2.86	74	52549	18.917	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.12	101	211386	19.628	ug/l	100
10) Methyl Iodide	3.28	142	201303	17.785	ug/l	96
11) Tert butyl alcohol	4.00	59	33776	73.145	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	167227	18.897	ug/l	92
13) Acrolein	3.01	56	46422	98.652	ug/l	99
14) Allyl chloride	3.57	41	288270	17.753	ug/l	97
15) Acrylonitrile	4.13	53	235461	87.831	ug/l	96
16) Acetone	3.19	43	167796	86.960	ug/l	98
17) Carbon Disulfide	3.35	76	488244	17.276	ug/l	96
18) Methyl Acetate	3.59	43	88073	18.417	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	404684	18.025	ug/l	98
20) Methylene Chloride	3.75	84	323605	16.149	ug/l	99
21) trans-1,2-Dichloroethene	4.14	96	320090	17.662	ug/l	96
22) Diisopropyl ether	4.89	45	1016710	18.442	ug/l	98
23) Vinyl Acetate	4.83	43	2435501	91.310	ug/l	98
24) 1,1-Dichloroethane	4.80	63	528347	18.220	ug/l	100
25) 2-Butanone	5.65	43	322820	87.429	ug/l	99
26) 2,2-Dichloropropane	5.62	77	419445	18.324	ug/l	97
27) cis-1,2-Dichloroethene	5.63	96	330749	17.979	ug/l	98
28) Bromochloromethane	5.96	49	209889	17.133	ug/l	96
29) Tetrahydrofuran	5.99	42	179914	85.951	ug/l	99
30) Chloroform	6.13	83	526653	18.049	ug/l	99
31) Cyclohexane	6.40	56	495561	17.758	ug/l	99
32) 1,1,1-Trichloroethane	6.33	97	437042	18.104	ug/l	98
36) 1,1-Dichloropropene	6.56	75	412616	18.126	ug/l	99
37) Ethyl Acetate	5.73	43	165218	17.354	ug/l	98
38) Carbon Tetrachloride	6.54	117	364804	18.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	474377	18.272	ug/l	99
40) Benzene	6.82	78	1052604	17.901	ug/l	98
41) Methacrylonitrile	5.96	41	93249m	17.707	ug/l	
42) 1,2-Dichloroethane	6.93	62	257190	17.626	ug/l	98
43) Isopropyl Acetate	8.38	43	212398	17.385	ug/l #	100
44) Trichloroethene	7.77	130	313208	17.997	ug/l	94
45) 1,2-Dichloropropane	8.13	63	248696	17.246	ug/l	94
46) Dibromomethane	8.25	93	146812	17.838	ug/l	93
47) Bromodichloromethane	8.52	83	356877	18.308	ug/l	98
48) Methyl methacrylate	8.28	41	124378	16.762	ug/l	97
49) 1,4-Dioxane	8.26	88	23258	337.100	ug/l	95
51) 4-Methyl-2-Pentanone	9.37	43	657610	87.854	ug/l	98
52) Toluene	9.58	92	667115	18.098	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	284230	17.477	ug/l	97
54) cis-1,3-Dichloropropene	9.14	75	378420	17.778	ug/l	99
55) 1,1,2-Trichloroethane	10.21	97	176081	17.754	ug/l	98
56) Ethyl methacrylate	10.06	69	157892	17.140	ug/l	99
57) 1,3-Dichloropropane	10.40	76	280881	17.867	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.95	63	524257	96.584	ug/l	96
59) 2-Hexanone	10.51	43	459107	87.626	ug/l	99
60) Dibromochloromethane	10.66	129	219830	17.401	ug/l	97
61) 1,2-Dibromoethane	10.78	107	178523	17.354	ug/l	100
64) Tetrachloroethene	10.28	164	295503	18.497	ug/l	99
65) Chlorobenzene	11.34	112	702383	18.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	234078	18.695	ug/l	97
67) Ethyl Benzene	11.45	91	1272119	19.074	ug/l	99
68) m/p-Xylenes	11.59	106	936873	38.439	ug/l	98
69) o-Xylene	11.95	106	438702	18.972	ug/l	89
70) Styrene	11.98	104	696465	18.701	ug/l	99
71) Bromoform	12.14	173	142021	17.183	ug/l	97
73) Isopropylbenzene	12.29	105	1216258	19.404	ug/l	99
74) N-amyl acetate	12.15	43	267354	18.073	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	192914	18.988	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	186093	18.567	ug/l	99
77) Bromobenzene	12.56	156	316121	19.103	ug/l	95
78) n-propylbenzene	12.66	91	1585402	19.785	ug/l	100
79) 2-Chlorotoluene	12.73	91	828782	19.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	949529	19.618	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.36	75	46798	16.897	ug/l	97
82) 4-Chlorotoluene	12.83	91	940667	19.336	ug/l	95
83) tert-Butylbenzene	13.06	119	1055484	19.161	ug/l	93
84) 1,2,4-Trimethylbenzene	13.11	105	947138	19.000	ug/l	99
85) sec-Butylbenzene	13.24	105	1311892	19.529	ug/l	97
86) p-Isopropyltoluene	13.36	119	1055929	19.473	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	592593	19.507	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	560930	18.738	ug/l	97
89) n-Butylbenzene	13.66	91	1131130	20.413	ug/l	97
90) Hexachloroethane	13.88	117	254202	19.082	ug/l	89
91) 1,2-Dichlorobenzene	13.68	146	488505	20.046	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20890	17.502	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	355384	18.327	ug/l	98
94) Hexachlorobutadiene	14.89	225	268125	18.707	ug/l	98
95) Naphthalene	14.98	128	410070	17.793	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	275813	18.196	ug/l	96

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

