

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060661.D
 Acq On : 20 Dec 2018 16:33
 Operator : VA/AP
 Sample : VD1220SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:51:53 AM

Quant Time: Dec 21 05:51:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1463302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2061617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1595933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	841053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	570551	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	6.33	113	817133	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	9.45	98	2393280	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.43	95	842490	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	383615	20.517	ug/l	100
3) Chloromethane	1.77	50	379169	22.035	ug/l	100
4) Vinyl Chloride	1.87	62	297585	21.782	ug/l	97
5) Bromomethane	2.15	94	40250	13.153	ug/l	95
6) Chloroethane	2.27	64	82735	20.293	ug/l	93
7) Trichlorofluoromethane	2.52	101	332279	21.867	ug/l	97
8) Diethyl Ether	2.84	74	58804	23.130	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	212165	21.525	ug/l	96
10) Methyl Iodide	3.26	142	210885	20.358	ug/l	100
11) Tert butyl alcohol	3.97	59	38849	91.924	ug/l	99
12) 1,1-Dichloroethene	3.09	96	171307	21.152	ug/l	92
13) Acrolein	2.99	56	54298	126.078	ug/l	95
14) Allyl chloride	3.55	41	317088	21.337	ug/l	99
15) Acrylonitrile	4.10	53	265903	108.373	ug/l	97
16) Acetone	3.18	43	195024	110.433	ug/l	99
17) Carbon Disulfide	3.32	76	548083	21.190	ug/l	100
18) Methyl Acetate	3.57	43	84083	19.211	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	448070	21.806	ug/l	99
20) Methylene Chloride	3.73	84	471880	25.729	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	349849	21.093	ug/l	98
22) Diisopropyl ether	4.86	45	1094697	21.695	ug/l	98
23) Vinyl Acetate	4.81	43	2719304	111.394	ug/l	99
24) 1,1-Dichloroethane	4.76	63	569505	21.458	ug/l	99
25) 2-Butanone	5.63	43	365066	108.028	ug/l	97
26) 2,2-Dichloropropane	5.59	77	463828	22.140	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	365323	21.697	ug/l	95
28) Bromochloromethane	5.93	49	213128	19.009	ug/l	97
29) Tetrahydrofuran	5.96	42	206655	107.871	ug/l	98
30) Chloroform	6.11	83	575320	21.543	ug/l	99
31) Cyclohexane	6.37	56	538043	21.066	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	473527	21.432	ug/l	98
36) 1,1-Dichloropropene	6.52	75	438355	20.649	ug/l	98
37) Ethyl Acetate	5.71	43	196162	22.094	ug/l	98
38) Carbon Tetrachloride	6.50	117	401023	21.412	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	507051	20.942	ug/l	98
40) Benzene	6.80	78	1151276	20.995	ug/l	100
41) Methacrylonitrile	5.92	41	92012m	18.736	ug/l	
42) 1,2-Dichloroethane	6.90	62	290598	21.355	ug/l	99
43) Isopropyl Acetate	8.35	43	231271	20.298	ug/l	100
44) Trichloroethene	7.74	130	345496	21.287	ug/l	98
45) 1,2-Dichloropropane	8.11	63	272603	20.271	ug/l	97
46) Dibromomethane	8.21	93	160100	20.859	ug/l	96
47) Bromodichloromethane	8.49	83	372336	20.482	ug/l	98
48) Methyl methacrylate	8.24	41	146756	21.207	ug/l	96
49) 1,4-Dioxane	8.23	88	25465	395.774	ug/l #	80
51) 4-Methyl-2-Pentanone	9.35	43	741750	106.259	ug/l	99
52) Toluene	9.55	92	718672	20.906	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	316097	20.842	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	411754	20.742	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	194341	21.012	ug/l	97
56) Ethyl methacrylate	10.03	69	175701	20.452	ug/l	95
57) 1,3-Dichloropropane	10.38	76	303251	20.685	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.92	63	517676	102.267	ug/l	97
59) 2-Hexanone	10.49	43	518338	106.083	ug/l	99
60) Dibromochloromethane	10.64	129	242017	20.542	ug/l	95
61) 1,2-Dibromoethane	10.75	107	201925	21.048	ug/l	97
64) Tetrachloroethene	10.25	164	322152	22.271	ug/l	98
65) Chlorobenzene	11.31	112	780277	22.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	254496	22.448	ug/l	98
67) Ethyl Benzene	11.42	91	1362270	22.559	ug/l	97
68) m/p-Xylenes	11.56	106	1009362	45.738	ug/l	93
69) o-Xylene	11.93	106	459575	21.950	ug/l	89
70) Styrene	11.95	104	763114	22.631	ug/l	98
71) Bromoform	12.11	173	157123	20.996	ug/l	98
73) Isopropylbenzene	12.28	105	1301167	21.729	ug/l	100
74) N-amyl acetate	12.13	43	295486	20.908	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	204092	21.027	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	207082	21.627	ug/l	100
77) Bromobenzene	12.54	156	336077	21.258	ug/l	91
78) n-propylbenzene	12.63	91	1670809	21.825	ug/l	96
79) 2-Chlorotoluene	12.70	91	907813	22.140	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1052883	22.770	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	56711	21.434	ug/l	92
82) 4-Chlorotoluene	12.81	91	1036032	22.292	ug/l	94
83) tert-Butylbenzene	13.05	119	1174660	22.322	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1071532	22.500	ug/l	98
85) sec-Butylbenzene	13.22	105	1421096	22.143	ug/l	96
86) p-Isopropyltoluene	13.34	119	1172947	22.642	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	639263	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	622848	21.779	ug/l	97
89) n-Butylbenzene	13.65	91	1244443	23.507	ug/l	99
90) Hexachloroethane	13.85	117	285582	22.440	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	534098	22.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23396	20.518	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	412379	22.261	ug/l	96
94) Hexachlorobutadiene	14.88	225	307343	22.446	ug/l	98
95) Naphthalene	14.97	128	457383	20.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	312216	21.560	ug/l	97

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

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