

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060542.D
 Acq On : 12 Dec 2018 12:56
 Operator : VA/AP
 Sample : VD1212SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2018 4:41:12 PM

Quant Time: Dec 13 00:28:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1559333	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2141162	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1721542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	916110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	597619	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	6.32	113	849868	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	9.45	98	2475625	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.42	95	865158	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	428589	25.689	ug/l	100
3) Chloromethane	1.78	50	366811	22.895	ug/l	98
4) Vinyl Chloride	1.87	62	301508	23.580	ug/l	99
5) Bromomethane	2.16	94	53060	16.587	ug/l	98
6) Chloroethane	2.27	64	72675	16.467	ug/l	100
7) Trichlorofluoromethane	2.53	101	313637	21.243	ug/l	99
8) Diethyl Ether	2.84	74	55541	21.779	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.11	101	212739	22.208	ug/l	99
10) Methyl Iodide	3.25	142	229115	20.461	ug/l	99
11) Tert butyl alcohol	3.98	59	50510	112.487	ug/l #	94
12) 1,1-Dichloroethene	3.09	96	172017	22.070	ug/l	95
13) Acrolein	3.00	56	43662	88.989	ug/l	98
14) Allyl chloride	3.55	41	328499	22.214	ug/l	98
15) Acrylonitrile	4.10	53	278870	109.377	ug/l	95
16) Acetone	3.17	43	172470	97.351	ug/l	98
17) Carbon Disulfide	3.32	76	549219	21.694	ug/l	99
18) Methyl Acetate	3.57	43	93915	22.305	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	481382	22.272	ug/l	99
20) Methylene Chloride	3.73	84	390209	21.432	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	367610	21.683	ug/l	96
22) Diisopropyl ether	4.86	45	1162542	21.896	ug/l	96
23) Vinyl Acetate	4.81	43	2862511	108.818	ug/l	99
24) 1,1-Dichloroethane	4.76	63	595956	21.607	ug/l	99
25) 2-Butanone	5.62	43	360865	103.533	ug/l	99
26) 2,2-Dichloropropane	5.60	77	479971	22.526	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	373600	21.673	ug/l	93
28) Bromochloromethane	5.93	49	235782	19.297	ug/l	99
29) Tetrahydrofuran	5.96	42	214231	108.539	ug/l	99
30) Chloroform	6.11	83	614303	22.107	ug/l	97
31) Cyclohexane	6.37	56	582008	22.575	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	505262	22.118	ug/l	99
36) 1,1-Dichloropropene	6.53	75	465940	22.262	ug/l	98
37) Ethyl Acetate	5.70	43	204800	22.563	ug/l #	99
38) Carbon Tetrachloride	6.50	117	415014	22.088	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	528022	22.131	ug/l	99
40) Benzene	6.80	78	1198175	22.400	ug/l	100
41) Methacrylonitrile	5.92	41	90659m	18.528	ug/l	
42) 1,2-Dichloroethane	6.89	62	301482	22.168	ug/l	98
43) Isopropyl Acetate	8.35	43	247758	22.112	ug/l #	99
44) Trichloroethene	7.74	130	355773	22.256	ug/l	97
45) 1,2-Dichloropropane	8.09	63	297935	22.521	ug/l	99
46) Dibromomethane	8.21	93	168094	21.992	ug/l	94
47) Bromodichloromethane	8.49	83	404894	22.326	ug/l	99
48) Methyl methacrylate	8.24	41	155003	23.380	ug/l	97
49) 1,4-Dioxane	8.22	88	28816	479.570	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	773260	110.945	ug/l	99
52) Toluene	9.54	92	728814	21.800	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	335278	22.499	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	438416	22.392	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	203440	21.851	ug/l	97
56) Ethyl methacrylate	10.02	69	189978	22.547	ug/l	97
57) 1,3-Dichloropropane	10.38	76	321792	22.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	574198	113.892	ug/l	99
59) 2-Hexanone	10.49	43	553829	113.683	ug/l	97
60) Dibromochloromethane	10.63	129	256053	21.997	ug/l	97
61) 1,2-Dibromoethane	10.75	107	201929	21.282	ug/l	97
64) Tetrachloroethene	10.25	164	324056	21.258	ug/l	99
65) Chlorobenzene	11.31	112	809031	22.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	261149	22.247	ug/l	98
67) Ethyl Benzene	11.42	91	1383658	22.273	ug/l	97
68) m/p-Xylenes	11.56	106	1038409	45.183	ug/l	98
69) o-Xylene	11.93	106	486860	22.229	ug/l	96
70) Styrene	11.95	104	787510	22.401	ug/l	98
71) Bromoform	12.11	173	164184	20.964	ug/l	99
73) Isopropylbenzene	12.28	105	1367997	21.102	ug/l	98
74) N-amyl acetate	12.13	43	315937	20.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	213217	20.544	ug/l	94
76) 1,2,3-Trichloropropane	12.59	75	208414	20.078	ug/l	97
77) Bromobenzene	12.53	156	357338	20.970	ug/l	93
78) n-propylbenzene	12.63	91	1735907	21.183	ug/l	98
79) 2-Chlorotoluene	12.70	91	936415	21.058	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1037352	20.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	58279	20.131	ug/l	94
82) 4-Chlorotoluene	12.81	91	1045086	20.925	ug/l	97
83) tert-Butylbenzene	13.04	119	1196777	21.548	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1075625	20.971	ug/l	98
85) sec-Butylbenzene	13.22	105	1461286	21.109	ug/l	94
86) p-Isopropyltoluene	13.34	119	1162074	21.177	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	644943	20.904	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	652176	21.547	ug/l	97
89) n-Butylbenzene	13.65	91	1289020	21.190	ug/l	98
90) Hexachloroethane	13.85	117	276348	20.085	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	551923	21.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24873	19.779	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	415373	21.074	ug/l	100
94) Hexachlorobutadiene	14.88	225	307681	21.158	ug/l	98
95) Naphthalene	14.96	128	478403	20.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	317023	20.186	ug/l	99

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

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