

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060110.D
 Acq On : 2 Oct 2018 12:23
 Operator : VA/AP
 Sample : VD1002SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Manual Integrations
 APPROVED

apatel
 10/3/2018 12:59:52 PM

Quant Time: Oct 03 01:20:00 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	1639261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2218415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1806176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	948780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	650259	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	6.30	113	894440	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	9.44	98	2529165	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.42	95	949273	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	288932m	18.737	ug/l	
3) Chloromethane	1.74	50	296652	21.335	ug/l	97
4) Vinyl Chloride	1.84	62	232576	20.439	ug/l	99
5) Bromomethane	2.12	94	21049	14.732	ug/l	93
6) Chloroethane	2.22	64	53519	17.235	ug/l	98
7) Trichlorofluoromethane	2.49	101	258172	18.948	ug/l	99
8) Diethyl Ether	2.81	74	57392	20.484	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.07	101	174104	20.511	ug/l	99
10) Methyl Iodide	3.22	142	138667	15.405	ug/l	99
11) Tert butyl alcohol	3.95	59	89993	100.984	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	136998	20.487	ug/l	96
13) Acrolein	2.97	56	59978	109.179	ug/l	97
14) Allyl chloride	3.51	41	279665	20.137	ug/l	98
15) Acrylonitrile	4.06	53	369713	100.230	ug/l	97
16) Acetone	3.14	43	243379	107.942	ug/l	100
17) Carbon Disulfide	3.28	76	453097	20.149	ug/l	100
18) Methyl Acetate	3.53	43	91175	18.814	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	594772	20.230	ug/l	94
20) Methylene Chloride	3.70	84	365169	17.807	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	340641	19.724	ug/l	98
22) Diisopropyl ether	4.84	45	1224750	19.746	ug/l	97
23) Vinyl Acetate	4.78	43	3628675	104.081	ug/l	99
24) 1,1-Dichloroethane	4.73	63	544522	19.363	ug/l	100
25) 2-Butanone	5.61	43	611385	108.540	ug/l	99
26) 2,2-Dichloropropane	5.57	77	435932	20.448	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	355059	19.404	ug/l	92
28) Bromochloromethane	5.90	49	274023	20.052	ug/l	98
29) Tetrahydrofuran	5.94	42	319255	97.577	ug/l	99
30) Chloroform	6.08	83	575646	20.236	ug/l	99
31) Cyclohexane	6.34	56	525458	19.519	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	469800	20.158	ug/l	97
36) 1,1-Dichloropropene	6.50	75	428100	20.194	ug/l	99
37) Ethyl Acetate	5.68	43	295049	20.969	ug/l	99
38) Carbon Tetrachloride	6.48	117	389995	20.270	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	480366	19.943	ug/l	98
40) Benzene	6.78	78	1120569	20.205	ug/l	99
41) Methacrylonitrile	5.92	41	173497m	21.815	ug/l	
42) 1,2-Dichloroethane	6.88	62	321934	20.247	ug/l	99
43) Isopropyl Acetate	8.33	43	378964	20.471	ug/l #	99
44) Trichloroethene	7.72	130	348465	20.297	ug/l	98
45) 1,2-Dichloropropane	8.09	63	299531	20.626	ug/l	96
46) Dibromomethane	8.20	93	185298	19.709	ug/l	97
47) Bromodichloromethane	8.48	83	409578	20.446	ug/l	99
48) Methyl methacrylate	8.23	41	210619	19.974	ug/l	97
49) 1,4-Dioxane	8.21	88	41300	398.067	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1240892	106.277	ug/l	97
52) Toluene	9.53	92	742223	20.780	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	370038	20.415	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	452055	20.196	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	236536	20.257	ug/l	95
56) Ethyl methacrylate	10.02	69	265014	20.561	ug/l	98
57) 1,3-Dichloropropane	10.37	76	369949	20.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	782976	109.391	ug/l	99
59) 2-Hexanone	10.48	43	923230	109.960	ug/l	100
60) Dibromochloromethane	10.63	129	290025	20.244	ug/l	99
61) 1,2-Dibromoethane	10.75	107	250115	20.160	ug/l	97
64) Tetrachloroethene	10.24	164	321498	20.323	ug/l	99
65) Chlorobenzene	11.30	112	794616	20.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	265130	20.340	ug/l	98
67) Ethyl Benzene	11.42	91	1322788	20.895	ug/l	100
68) m/p-Xylenes	11.56	106	1005637	42.515	ug/l	99
69) o-Xylene	11.92	106	463075	19.792	ug/l	88
70) Styrene	11.95	104	795249	20.325	ug/l	99
71) Bromoform	12.11	173	208001	19.706	ug/l	98
73) Isopropylbenzene	12.27	105	1315889	21.023	ug/l	99
74) N-amyl acetate	12.13	43	480647	20.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	282900	20.703	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	286026	20.933	ug/l	100
77) Bromobenzene	12.53	156	372628	20.486	ug/l	93
78) n-propylbenzene	12.63	91	1639736	21.098	ug/l	99
79) 2-Chlorotoluene	12.70	91	894539	20.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1042111	21.512	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	78416	20.425	ug/l	98
82) 4-Chlorotoluene	12.80	91	1048460	21.489	ug/l	92
83) tert-Butylbenzene	13.05	119	1126932	20.272	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1042809	20.424	ug/l	96
85) sec-Butylbenzene	13.21	105	1395262	21.227	ug/l	97
86) p-Isopropyltoluene	13.34	119	1152123	21.370	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	669463	21.125	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	660828	20.761	ug/l	95
89) n-Butylbenzene	13.65	91	1199362	22.799	ug/l	98
90) Hexachloroethane	13.85	117	256252	20.538	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	590864	22.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35630	19.528	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	455159	20.125	ug/l	98
94) Hexachlorobutadiene	14.88	225	308601	20.527	ug/l	98
95) Naphthalene	14.96	128	678479	20.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	394686	20.061	ug/l	98

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

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