

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060148.D
 Acq On : 9 Oct 2018 12:40
 Operator : VA/AP
 Sample : VD1009SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 11:31:54 AM

Quant Time: Oct 09 17:11:01 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	6.38	168	1507523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2085833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	886714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	614655	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	6.29	113	842645	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	9.43	98	2365809	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.42	95	894412	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	213690	15.069	ug/l	95
3) Chloromethane	1.73	50	283590	22.178	ug/l	99
4) Vinyl Chloride	1.83	62	225120	21.512	ug/l	98
5) Bromomethane	2.11	94	21455	16.328	ug/l	97
6) Chloroethane	2.21	64	54157	18.965	ug/l	95
7) Trichlorofluoromethane	2.47	101	268664	21.441	ug/l	100
8) Diethyl Ether	2.80	74	58976	22.889	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.05	101	181668	23.273	ug/l	96
10) Methyl Iodide	3.21	142	174201	21.044	ug/l	95
11) Tert butyl alcohol	3.94	59	91082	111.137	ug/l	100
12) 1,1-Dichloroethene	3.04	96	141293	22.976	ug/l	89
13) Acrolein	2.95	56	48500	96.000	ug/l	88
14) Allyl chloride	3.49	41	285512	22.354	ug/l	95
15) Acrylonitrile	4.04	53	379592	111.901	ug/l	98
16) Acetone	3.13	43	238850	115.191	ug/l	99
17) Carbon Disulfide	3.28	76	455247	22.014	ug/l	100
18) Methyl Acetate	3.52	43	94367	21.174	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	601926	22.262	ug/l	96
20) Methylene Chloride	3.68	84	352226	18.906	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	340485	21.438	ug/l	93
22) Diisopropyl ether	4.82	45	1273475	22.326	ug/l	98
23) Vinyl Acetate	4.76	43	3604831	112.433	ug/l	98
24) 1,1-Dichloroethane	4.71	63	564537	21.829	ug/l	99
25) 2-Butanone	5.59	43	595320	114.923	ug/l	96
26) 2,2-Dichloropropane	5.55	77	443762	22.634	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	357806	21.263	ug/l	94
28) Bromochloromethane	5.90	49	266295	21.189	ug/l	91
29) Tetrahydrofuran	5.92	42	326083	108.373	ug/l	100
30) Chloroform	6.07	83	578631	22.118	ug/l	99
31) Cyclohexane	6.34	56	514248	20.772	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	472775	22.058	ug/l	99
36) 1,1-Dichloropropene	6.50	75	435555	21.852	ug/l	98
37) Ethyl Acetate	5.67	43	294348	22.248	ug/l	97
38) Carbon Tetrachloride	6.47	117	396269	21.905	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	484320	21.386	ug/l	98
40) Benzene	6.76	78	1121594	21.509	ug/l	100
41) Methacrylonitrile	5.90	41	164738m	22.030	ug/l	
42) 1,2-Dichloroethane	6.87	62	326786	21.859	ug/l	97
43) Isopropyl Acetate	8.33	43	371755	21.358	ug/l #	99
44) Trichloroethene	7.72	130	346093	21.441	ug/l	98
45) 1,2-Dichloropropane	8.08	63	290925	21.307	ug/l	95
46) Dibromomethane	8.19	93	189742	21.465	ug/l	99
47) Bromodichloromethane	8.46	83	417968	22.191	ug/l	99
48) Methyl methacrylate	8.22	41	220272	22.217	ug/l	97
49) 1,4-Dioxane	8.21	88	40796	418.203	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1209283	110.153	ug/l	97
52) Toluene	9.53	92	731193	21.773	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	371648	21.807	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	464194	22.057	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	237614	21.643	ug/l	100
56) Ethyl methacrylate	10.01	69	264808	21.850	ug/l	94
57) 1,3-Dichloropropane	10.36	76	353952	21.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	738110	109.677	ug/l	93
59) 2-Hexanone	10.47	43	928218	117.582	ug/l	99
60) Dibromochloromethane	10.63	129	299773	22.254	ug/l	99
61) 1,2-Dibromoethane	10.75	107	256913	22.024	ug/l	98
64) Tetrachloroethene	10.23	164	314843	20.922	ug/l	98
65) Chlorobenzene	11.30	112	810825	21.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281288	22.684	ug/l	97
67) Ethyl Benzene	11.42	91	1392866	23.128	ug/l	98
68) m/p-Xylenes	11.55	106	1011307	44.944	ug/l	99
69) o-Xylene	11.93	106	496569	22.311	ug/l	95
70) Styrene	11.95	104	819994	22.031	ug/l	98
71) Bromoform	12.10	173	214555	21.368	ug/l	100
73) Isopropylbenzene	12.26	105	1337963	22.872	ug/l	97
74) N-amyl acetate	12.12	43	488753	22.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	286576	22.440	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	278106	21.778	ug/l	98
77) Bromobenzene	12.53	156	387278	22.782	ug/l	99
78) n-propylbenzene	12.63	91	1690230	23.269	ug/l	98
79) 2-Chlorotoluene	12.70	91	920044	22.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1051592	23.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	81710	22.772	ug/l	99
82) 4-Chlorotoluene	12.80	91	1073443	23.541	ug/l	99
83) tert-Butylbenzene	13.04	119	1201240	23.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1087389	22.788	ug/l	100
85) sec-Butylbenzene	13.22	105	1371401	22.325	ug/l	99
86) p-Isopropyltoluene	13.33	119	1154830	22.920	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	683507	23.078	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	661022	22.220	ug/l	97
89) n-Butylbenzene	13.64	91	1169192	23.782	ug/l	100
90) Hexachloroethane	13.85	117	259135	22.223	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	570788	22.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38652	22.667	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474976	22.471	ug/l	98
94) Hexachlorobutadiene	14.87	225	316743	22.544	ug/l	98
95) Naphthalene	14.96	128	675238	21.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	392810	21.363	ug/l	99

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

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