

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060066.D
 Acq On : 21 Sep 2018 12:46
 Operator : VA/AP
 Sample : VD0921SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

apatel
 9/24/2018 1:02:07 PM

Quant Time: Sep 21 14:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1647483	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2253871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1830771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	984390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	646753	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	6.31	113	906186	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	9.45	98	2513750	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.42	95	941982	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	305836	17.586	ug/l	99
3) Chloromethane	1.75	50	326651	21.264	ug/l	98
4) Vinyl Chloride	1.84	62	265619	21.509	ug/l	97
5) Bromomethane	2.13	94	21211	14.511	ug/l	98
6) Chloroethane	2.24	64	58583	21.219	ug/l	95
7) Trichlorofluoromethane	2.49	101	288232	21.200	ug/l	99
8) Diethyl Ether	2.82	74	63074	21.824	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	194599	22.699	ug/l	98
10) Methyl Iodide	3.23	142	174314	19.197	ug/l	95
11) Tert butyl alcohol	3.97	59	82275	79.364	ug/l	97
12) 1,1-Dichloroethene	3.06	96	153250	22.608	ug/l	95
13) Acrolein	2.97	56	56501	88.011	ug/l	95
14) Allyl chloride	3.52	41	311843	21.814	ug/l	95
15) Acrylonitrile	4.08	53	384514	98.262	ug/l	98
16) Acetone	3.15	43	297339	119.871	ug/l	100
17) Carbon Disulfide	3.30	76	474963	20.336	ug/l	98
18) Methyl Acetate	3.54	43	102741	20.367	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	612486	19.555	ug/l	100
20) Methylene Chloride	3.70	84	444163	20.982	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	354246	19.914	ug/l	92
22) Diisopropyl ether	4.84	45	1321678	20.268	ug/l	98
23) Vinyl Acetate	4.79	43	3779928	102.318	ug/l	100
24) 1,1-Dichloroethane	4.75	63	599308	20.480	ug/l	99
25) 2-Butanone	5.61	43	740314	110.601	ug/l	99
26) 2,2-Dichloropropane	5.57	77	479577	21.079	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	387206	20.809	ug/l	99
28) Bromochloromethane	5.92	49	283965	20.187	ug/l	97
29) Tetrahydrofuran	5.94	42	334574	93.204	ug/l	99
30) Chloroform	6.09	83	618215	20.832	ug/l	99
31) Cyclohexane	6.36	56	562417	19.711	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	499420	20.291	ug/l	100
36) 1,1-Dichloropropene	6.51	75	456722	20.400	ug/l	96
37) Ethyl Acetate	5.69	43	316625	20.565	ug/l	98
38) Carbon Tetrachloride	6.49	117	408713	19.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	514553	20.317	ug/l	95
40) Benzene	6.78	78	1167848	20.466	ug/l	99
41) Methacrylonitrile	5.91	41	138050m	17.120	ug/l	
42) 1,2-Dichloroethane	6.88	62	342583	19.994	ug/l	97
43) Isopropyl Acetate	8.34	43	389690	18.904	ug/l #	100
44) Trichloroethene	7.73	130	356135	20.200	ug/l	95
45) 1,2-Dichloropropane	8.09	63	312271	20.465	ug/l	100
46) Dibromomethane	8.21	93	195071	19.594	ug/l	94
47) Bromodichloromethane	8.48	83	438854	20.445	ug/l	98
48) Methyl methacrylate	8.24	41	222328	19.365	ug/l	97
49) 1,4-Dioxane	8.22	88	41249	361.734	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1580287	104.438	ug/l	99
52) Toluene	9.54	92	772427	21.118	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	394116	19.687	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	480041	20.069	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	253302	19.946	ug/l	96
56) Ethyl methacrylate	10.02	69	265354	18.838	ug/l	92
57) 1,3-Dichloropropane	10.37	76	384852	20.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	710937	104.519	ug/l	99
59) 2-Hexanone	10.48	43	1148948	105.479	ug/l	98
60) Dibromochloromethane	10.63	129	308857	19.981	ug/l	98
61) 1,2-Dibromoethane	10.75	107	256554	19.566	ug/l	97
64) Tetrachloroethene	10.25	164	335885	20.794	ug/l	97
65) Chlorobenzene	11.31	112	835748	21.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	288169	21.706	ug/l	98
67) Ethyl Benzene	11.42	91	1448989	22.875	ug/l	96
68) m/p-Xylenes	11.56	106	1039833	44.449	ug/l	96
69) o-Xylene	11.93	106	508287	21.928	ug/l	99
70) Styrene	11.95	104	856277	21.970	ug/l	97
71) Bromoform	12.12	173	213475	18.716	ug/l	95
73) Isopropylbenzene	12.27	105	1352839	20.954	ug/l	99
74) N-amyl acetate	12.13	43	505303	19.759	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	290565	19.839	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	288530	19.191	ug/l	99
77) Bromobenzene	12.54	156	389800	20.960	ug/l	94
78) n-propylbenzene	12.63	91	1759397	21.671	ug/l	94
79) 2-Chlorotoluene	12.70	91	979910	21.385	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	1090631	22.040	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	82191	18.110	ug/l	94
82) 4-Chlorotoluene	12.80	91	1108887	22.011	ug/l	97
83) tert-Butylbenzene	13.04	119	1225757	21.382	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1096620	20.767	ug/l	100
85) sec-Butylbenzene	13.22	105	1480923	21.762	ug/l	98
86) p-Isopropyltoluene	13.34	119	1205616	21.905	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	698911	21.611	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	688296	20.983	ug/l	98
89) n-Butylbenzene	13.64	91	1232938	20.762	ug/l	98
90) Hexachloroethane	13.85	117	262572	19.261	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	604219	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38404	17.200	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	468998	20.350	ug/l	99
94) Hexachlorobutadiene	14.87	225	322849	21.177	ug/l	99
95) Naphthalene	14.96	128	655993	18.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	387861	19.098	ug/l	97

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

