

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060398.D
 Acq On : 2 Oct 2018 13:22
 Operator : VA/AP
 Sample : VF1002SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:02:03 PM

Quant Time: Oct 02 14:29:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	478823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	417446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	224838	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	219274	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.27	113	205107	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
50) Toluene-d8	7.69	98	539880	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.50	95	235808	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	146559	21.079	ug/l	97
3) Chloromethane	1.13	50	86556	22.763	ug/l	99
4) Vinyl Chloride	1.18	62	84820	21.443	ug/l	96
5) Bromomethane	1.37	94	61492	20.069	ug/l	90
6) Chloroethane	1.43	64	39503	20.012	ug/l	97
7) Trichlorofluoromethane	1.54	101	176956	19.281	ug/l	97
8) Diethyl Ether	1.70	74	25674	20.413	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87659	19.940	ug/l	93
10) Methyl Iodide	1.96	142	136388m	20.344	ug/l	
11) Tert butyl alcohol	2.67	59	30709	115.864	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	71902	21.168	ug/l	94
13) Acrolein	2.08	56	21528	100.999	ug/l	91
14) Allyl chloride	2.18	41	107906	19.826	ug/l	92
15) Acrylonitrile	3.06	53	56532	124.479	ug/l #	90
16) Acetone	2.33	43	133560	137.294	ug/l #	87
17) Carbon Disulfide	1.89	76	221782	21.562	ug/l	97
18) Methyl Acetate	2.44	43	38994	22.708	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	180157	21.776	ug/l	99
20) Methylene Chloride	2.27	84	74071m	19.797	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	70318	20.728	ug/l	95
22) Diisopropyl ether	2.91	45	220070	22.276	ug/l	94
23) Vinyl Acetate	3.31	43	464546	118.376	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	142918	21.393	ug/l	99
25) 2-Butanone	4.49	43	146692	129.290	ug/l #	88
26) 2,2-Dichloropropane	3.74	77	79036	20.888	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	82424	21.731	ug/l	94
28) Bromochloromethane	3.87	49	53819	21.858	ug/l	92
29) Tetrahydrofuran	4.23	42	52475	120.400	ug/l	98
30) Chloroform	4.01	83	173585	21.057	ug/l	97
31) Cyclohexane	3.84	56	111422	23.226	ug/l	87
32) 1,1,1-Trichloroethane	4.25	97	139674	20.361	ug/l	96
36) 1,1-Dichloropropene	4.44	75	116694	19.767	ug/l	96
37) Ethyl Acetate	4.27	43	50958	22.541	ug/l #	73
38) Carbon Tetrachloride	4.14	117	136245	18.960	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	127723	22.069	ug/l	89
40) Benzene	4.79	78	257325	21.957	ug/l	97
41) Methacrylonitrile	4.89	41	25722	21.459	ug/l #	83
42) 1,2-Dichloroethane	5.10	62	109746	19.629	ug/l	95
43) Isopropyl Acetate	7.09	43	56064	20.521	ug/l #	94
44) Trichloroethene	5.65	130	76070	20.229	ug/l	93
45) 1,2-Dichloropropane	6.38	63	62432	20.004	ug/l	97
46) Dibromomethane	6.23	93	53042	21.138	ug/l	94
47) Bromodichloromethane	6.53	83	122930	19.780	ug/l	92
48) Methyl methacrylate	6.85	41	39752	20.270	ug/l #	87
49) 1,4-Dioxane	6.84	88	7690	454.784	ug/l #	75
51) 4-Methyl-2-Pentanone	8.38	43	219643	112.941	ug/l	99
52) Toluene	7.76	92	158423	19.902	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	97607	20.041	ug/l	93
54) cis-1,3-Dichloropropene	7.43	75	121115	21.277	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	51488	20.406	ug/l	96
56) Ethyl methacrylate	8.74	69	58147	20.281	ug/l	97
57) 1,3-Dichloropropane	8.98	76	86224	20.200	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	27186	92.828	ug/l	100
59) 2-Hexanone	9.61	43	164818	115.544	ug/l	99
60) Dibromochloromethane	8.84	129	74651	19.650	ug/l	95
61) 1,2-Dibromoethane	9.12	107	59930	21.707	ug/l	97
64) Tetrachloroethene	8.29	164	68703	20.703	ug/l	93
65) Chlorobenzene	9.92	112	181387	21.153	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	79030	21.107	ug/l	98
67) Ethyl Benzene	10.02	91	344515	21.130	ug/l	100
68) m/p-Xylenes	10.25	106	244321	43.590	ug/l	96
69) o-Xylene	10.82	106	136735	22.381	ug/l	95
70) Styrene	10.88	104	173677	19.985	ug/l	93
71) Bromoform	10.87	173	42670	21.405	ug/l	94
73) Isopropylbenzene	11.21	105	397548	22.456	ug/l	97
74) N-amyl acetate	11.45	43	82542	20.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	72313	22.405	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	53236	22.405	ug/l	93
77) Bromobenzene	11.58	156	83765	21.167	ug/l	95
78) n-propylbenzene	11.67	91	482935	22.502	ug/l	96
79) 2-Chlorotoluene	11.80	91	274762	21.886	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	330185	21.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	21870m	20.764	ug/l	
82) 4-Chlorotoluene	11.98	91	273702	21.308	ug/l	99
83) tert-Butylbenzene	12.21	119	329872	22.236	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	327550	21.959	ug/l	92
85) sec-Butylbenzene	12.37	105	459812	22.455	ug/l	97
86) p-Isopropyltoluene	12.53	119	374066	22.360	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	164498	22.090	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	152913	20.825	ug/l	97
89) n-Butylbenzene	12.91	91	398724	22.524	ug/l	94
90) Hexachloroethane	12.98	117	95398	22.063	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	163944	22.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13802	22.059	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	116976	21.935	ug/l	92
94) Hexachlorobutadiene	14.25	225	76225	20.479	ug/l	99
95) Naphthalene	14.51	128	204910	21.490	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	111501	22.304	ug/l	95

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

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