

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060500.D
 Acq On : 9 Oct 2018 20:31
 Operator : VA/AP
 Sample : VF1009SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:16 PM

Quant Time: Oct 10 02:53:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	262562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	421442	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	369658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	209462	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	4.26	113	217631	56.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.20%	
50) Toluene-d8	7.67	98	461221	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.49	95	221858	54.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	123148	24.364	ug/l	100
3) Chloromethane	1.13	50	66535	20.845	ug/l #	87
4) Vinyl Chloride	1.18	62	75577	21.829	ug/l	96
5) Bromomethane	1.36	94	62077	22.799	ug/l	84
6) Chloroethane	1.42	64	41077	22.444	ug/l	93
7) Trichlorofluoromethane	1.53	101	162416	20.929	ug/l	89
8) Diethyl Ether	1.69	74	24123	21.725	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	85520	22.030	ug/l	95
10) Methyl Iodide	1.95	142	136400	22.162	ug/l #	97
11) Tert butyl alcohol	2.68	59	24456	117.214	ug/l	94
12) 1,1-Dichloroethene	1.85	96	68802	21.218	ug/l	96
13) Acrolein	2.07	56	12643m	110.511	ug/l	
14) Allyl chloride	2.17	41	106841	22.353	ug/l #	97
15) Acrylonitrile	3.06	53	46382	105.594	ug/l	94
16) Acetone	2.33	43	91232	105.806	ug/l	97
17) Carbon Disulfide	1.90	76	198245	21.984	ug/l #	93
18) Methyl Acetate	2.44	43	34009m	21.441	ug/l	
19) Methyl tert-butyl Ether	2.52	73	165346	22.652	ug/l	98
20) Methylene Chloride	2.30	84	65903m	21.758	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67313	22.241	ug/l	95
22) Diisopropyl ether	2.90	45	210224	21.396	ug/l #	98
23) Vinyl Acetate	3.31	43	374558	108.900	ug/l	96
24) 1,1-Dichloroethane	2.98	63	140797	21.353	ug/l	99
25) 2-Butanone	4.48	43	106350	111.972	ug/l	96
26) 2,2-Dichloropropane	3.72	77	69398	20.186	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	76092	21.538	ug/l	97
28) Bromochloromethane	3.85	49	46420	20.269	ug/l #	97
29) Tetrahydrofuran	4.22	42	45367	113.310	ug/l	94
30) Chloroform	4.00	83	165771	21.725	ug/l	100
31) Cyclohexane	3.83	56	89696	21.264	ug/l	88
32) 1,1,1-Trichloroethane	4.23	97	132869	22.104	ug/l	96
36) 1,1-Dichloropropene	4.42	75	106628	21.751	ug/l	97
37) Ethyl Acetate	4.26	43	43866	25.333	ug/l #	70
38) Carbon Tetrachloride	4.13	117	120041	24.378	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	101479	21.986	ug/l	96
40) Benzene	4.78	78	217437	21.603	ug/l	99
41) Methacrylonitrile	4.89	41	20510	20.847	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	97042	21.253	ug/l	99
43) Isopropyl Acetate	7.08	43	49618	22.991	ug/l #	90
44) Trichloroethene	5.64	130	69769	22.252	ug/l	95
45) 1,2-Dichloropropane	6.36	63	55916	22.694	ug/l	98
46) Dibromomethane	6.22	93	41238	20.866	ug/l	94
47) Bromodichloromethane	6.51	83	110566	22.151	ug/l #	97
48) Methyl methacrylate	6.85	41	33863	23.164	ug/l	86
49) 1,4-Dioxane	6.84	88	5775	419.495	ug/l #	81
51) 4-Methyl-2-Pentanone	8.37	43	179209	119.040	ug/l	95
52) Toluene	7.74	92	135951	21.447	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	84613	21.826	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	97539	21.603	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	40479	20.778	ug/l	93
56) Ethyl methacrylate	8.73	69	52110	23.118	ug/l	96
57) 1,3-Dichloropropane	8.97	76	75148	22.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.74	63	25115	109.647	ug/l #	100
59) 2-Hexanone	9.61	43	131709	120.950	ug/l	95
60) Dibromochloromethane	8.84	129	62627	20.480	ug/l	94
61) 1,2-Dibromoethane	9.10	107	48284	21.935	ug/l	91
64) Tetrachloroethene	8.27	164	66336	22.641	ug/l	90
65) Chlorobenzene	9.91	112	151861	21.154	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.04	131	66458	20.552	ug/l	94
67) Ethyl Benzene	10.01	91	296057	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	202252	43.743	ug/l	94
69) o-Xylene	10.81	106	107659	21.411	ug/l	99
70) Styrene	10.88	104	164794	22.769	ug/l	96
71) Bromoform	10.87	173	33777	20.603	ug/l #	95
73) Isopropylbenzene	11.20	105	345959	22.994	ug/l	97
74) N-amyl acetate	11.44	43	77536	23.676	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	57205	22.621	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	43381	22.190	ug/l	97
77) Bromobenzene	11.58	156	71779	21.468	ug/l	90
78) n-propylbenzene	11.67	91	398418	22.234	ug/l	95
79) 2-Chlorotoluene	11.79	91	239911	22.870	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	279300	22.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	17493m	20.523	ug/l	
82) 4-Chlorotoluene	11.97	91	238718	22.056	ug/l	97
83) tert-Butylbenzene	12.20	119	283423	22.337	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	291205	22.724	ug/l	98
85) sec-Butylbenzene	12.37	105	377953	21.963	ug/l	96
86) p-Isopropyltoluene	12.52	119	319123	22.589	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	137908	21.654	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	134601	21.793	ug/l	94
89) n-Butylbenzene	12.90	91	344968	23.336	ug/l	95
90) Hexachloroethane	12.98	117	74820	22.148	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	130391	21.268	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11138	20.751	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	100568	21.241	ug/l	97
94) Hexachlorobutadiene	14.24	225	69492	21.589	ug/l	95
95) Naphthalene	14.50	128	180757	22.209	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	94662	21.461	ug/l	89

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

