

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060953.D
 Acq On : 10 Dec 2018 14:59
 Operator : VA/AP
 Sample : VF1210SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:43 PM

Quant Time: Dec 11 06:13:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	193076	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	323773	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	288082	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	154123	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	125520	55.19	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	110.38%	
35) Dibromofluoromethane	4.10	113	129451	50.40	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	100.80%	
50) Toluene-d8	7.56	98	351669	46.48	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.41	95	160871	46.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	62757	21.739	ug/l	100
3) Chloromethane	1.09	50	43322	23.061	ug/l	90
4) Vinyl Chloride	1.14	62	40137	22.906	ug/l	91
5) Bromomethane	1.32	94	28060	22.710	ug/l	97
6) Chloroethane	1.40	64	18617	24.579	ug/l #	79
7) Trichlorofluoromethane	1.48	101	90269m	24.010	ug/l	
8) Diethyl Ether	1.62	74	11836	21.893	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43697	22.990	ug/l	91
10) Methyl Iodide	1.91	142	67869m	23.492	ug/l	
11) Tert butyl alcohol	2.56	59	11166	119.759	ug/l	97
12) 1,1-Dichloroethene	1.80	96	33086	21.642	ug/l	92
13) Acrolein	1.99	56	8706	98.552	ug/l	100
14) Allyl chloride	2.08	41	40365	21.184	ug/l	99
15) Acrylonitrile	2.94	53	27321	130.703	ug/l	94
16) Acetone	2.24	43	52777	125.830	ug/l	97
17) Carbon Disulfide	1.81	76	95593m	23.321	ug/l	
18) Methyl Acetate	2.34	43	21333	29.645	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	79699	23.146	ug/l	100
20) Methylene Chloride	2.27	84	38896m	25.278	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	34294m	23.268	ug/l	
22) Diisopropyl ether	2.79	45	119194	22.981	ug/l	97
23) Vinyl Acetate	3.18	43	305774	128.969	ug/l	100
24) 1,1-Dichloroethane	2.86	63	74337	24.089	ug/l	99
25) 2-Butanone	4.33	43	94793	130.665	ug/l	97
26) 2,2-Dichloropropane	3.59	77	43471	21.729	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	51646	21.524	ug/l	97
28) Bromochloromethane	3.71	49	33902	22.891	ug/l	97
29) Tetrahydrofuran	4.07	42	36324	118.121	ug/l	96
30) Chloroform	3.85	83	107359	22.605	ug/l	96
31) Cyclohexane	3.68	56	72886m	22.758	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	62145	18.867	ug/l	99
36) 1,1-Dichloropropene	4.27	75	82127	22.869	ug/l	99
37) Ethyl Acetate	4.10	43	36232	24.827	ug/l	90
38) Carbon Tetrachloride	3.99	117	65481	20.644	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	75747	20.127	ug/l	94
40) Benzene	4.63	78	171082	21.564	ug/l	96
41) Methacrylonitrile	4.73	41	21253	26.288	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	65059	22.462	ug/l	97
43) Isopropyl Acetate	6.95	43	41721	21.628	ug/l #	98
44) Trichloroethene	5.49	130	57762	22.267	ug/l	98
45) 1,2-Dichloropropane	6.23	63	45860	22.257	ug/l	99
46) Dibromomethane	6.09	93	31694	22.675	ug/l	92
47) Bromodichloromethane	6.38	83	82436	22.205	ug/l	94
48) Methyl methacrylate	6.71	41	27845	21.079	ug/l	96
49) 1,4-Dioxane	6.71	88	4343	449.222	ug/l #	72
51) 4-Methyl-2-Pentanone	8.26	43	156238	116.096	ug/l	96
52) Toluene	7.62	92	111185	19.952	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	64692	21.423	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	83910	22.446	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	35240	21.702	ug/l	98
56) Ethyl methacrylate	8.62	69	36561	20.268	ug/l	94
57) 1,3-Dichloropropane	8.85	76	63566	22.375	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.29	63	27904	151.234	ug/l	94
59) 2-Hexanone	9.49	43	110783	117.338	ug/l	96
60) Dibromochloromethane	8.71	129	50683	20.948	ug/l	100
61) 1,2-Dibromoethane	8.99	107	36102	20.580	ug/l	86
64) Tetrachloroethene	8.15	164	47001	21.360	ug/l	97
65) Chlorobenzene	9.80	112	128240	22.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	54091	22.451	ug/l	95
67) Ethyl Benzene	9.89	91	232901	22.322	ug/l	99
68) m/p-Xylenes	10.13	106	172761	46.039	ug/l	97
69) o-Xylene	10.71	106	92299	22.306	ug/l	89
70) Styrene	10.79	104	121208	21.131	ug/l	97
71) Bromoform	10.77	173	25378	21.807	ug/l #	93
73) Isopropylbenzene	11.13	105	286609	23.532	ug/l	99
74) N-amyl acetate	11.37	43	67574	24.027	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	48929	24.410	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	36757	25.228	ug/l	99
77) Bromobenzene	11.49	156	60635	22.708	ug/l	87
78) n-propylbenzene	11.59	91	319939	22.431	ug/l	98
79) 2-Chlorotoluene	11.72	91	195994	23.965	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	237089	23.978	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	16388m	22.956	ug/l	
82) 4-Chlorotoluene	11.90	91	192599	22.378	ug/l	97
83) tert-Butylbenzene	12.13	119	244031	24.229	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	227310	23.035	ug/l	96
85) sec-Butylbenzene	12.30	105	325255	23.590	ug/l	97
86) p-Isopropyltoluene	12.46	119	273554	23.665	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	115748	22.789	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	112489	22.726	ug/l	99
89) n-Butylbenzene	12.84	91	270667	23.157	ug/l	97
90) Hexachloroethane	12.91	117	65296	23.458	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	109267	22.717	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8844	22.820	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	79631	23.694	ug/l	99
94) Hexachlorobutadiene	14.18	225	50985	22.757	ug/l	99
95) Naphthalene	14.45	128	140463	19.391	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	74442	23.855	ug/l	99

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

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