

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060952.D
 Acq On : 10 Dec 2018 14:30
 Operator : VA/AP
 Sample : VF1210SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:36 PM

Quant Time: Dec 11 06:11:36 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	4.87	168	187453	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	314605	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	292234	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	160474	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	119637	54.18	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	108.36%	
35) Dibromofluoromethane	4.11	113	129334	51.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	7.55	98	364690	49.60	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.41	95	165078	49.40	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	62265	22.215	ug/l	91
3) Chloromethane	1.11	50	40630	22.277	ug/l	99
4) Vinyl Chloride	1.14	62	42495	24.979	ug/l	93
5) Bromomethane	1.33	94	29997	25.006	ug/l	87
6) Chloroethane	1.39	64	18195	24.742	ug/l	92
7) Trichlorofluoromethane	1.49	101	88176m	24.157	ug/l	
8) Diethyl Ether	1.63	74	12378	23.582	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	46709	25.312	ug/l	94
10) Methyl Iodide	1.91	142	71620m	25.534	ug/l	
11) Tert butyl alcohol	2.58	59	11248	124.257	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	35045	23.611	ug/l	97
13) Acrolein	2.00	56	7819	91.166	ug/l	98
14) Allyl chloride	2.10	41	43084	23.289	ug/l	99
15) Acrylonitrile	2.95	53	27604	136.019	ug/l	85
16) Acetone	2.24	43	54459	133.735	ug/l	98
17) Carbon Disulfide	1.83	76	101337m	25.463	ug/l	
18) Methyl Acetate	2.34	43	20745	29.695	ug/l #	84
19) Methyl tert-butyl Ether	2.43	73	78476	23.475	ug/l	100
20) Methylene Chloride	2.24	84	38976m	26.090	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	37119m	25.940	ug/l	
22) Diisopropyl ether	2.80	45	125119	24.846	ug/l	95
23) Vinyl Acetate	3.19	43	308019	133.813	ug/l #	96
24) 1,1-Dichloroethane	2.87	63	72438	24.178	ug/l	98
25) 2-Butanone	4.35	43	88261	125.310	ug/l	93
26) 2,2-Dichloropropane	3.60	77	50026	25.755	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	59459	25.523	ug/l	97
28) Bromochloromethane	3.71	49	37405	26.014	ug/l	87
29) Tetrahydrofuran	4.08	42	35651	119.410	ug/l	96
30) Chloroform	3.86	83	109647	23.779	ug/l	99
31) Cyclohexane	3.69	56	79228m	25.481	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	72330	22.618	ug/l	98
36) 1,1-Dichloropropene	4.28	75	86258	24.719	ug/l	97
37) Ethyl Acetate	4.11	43	32602	22.991	ug/l #	91
38) Carbon Tetrachloride	3.98	117	69868	22.669	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	79377	21.706	ug/l	96
40) Benzene	4.63	78	181818	23.585	ug/l	100
41) Methacrylonitrile	4.74	41	20061	25.417	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	66942	23.786	ug/l	97
43) Isopropyl Acetate	6.96	43	40981	21.894	ug/l #	93
44) Trichloroethene	5.50	130	58924	23.377	ug/l	94
45) 1,2-Dichloropropane	6.23	63	50015	24.981	ug/l	96
46) Dibromomethane	6.08	93	31055	22.865	ug/l	96
47) Bromodichloromethane	6.38	83	86298	23.923	ug/l	98
48) Methyl methacrylate	6.71	41	30608	23.846	ug/l	94
49) 1,4-Dioxane	6.70	88	4341	462.100	ug/l #	82
51) 4-Methyl-2-Pentanone	8.26	43	146892	112.332	ug/l	100
52) Toluene	7.62	92	113281	20.920	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	69375	23.643	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	81817	22.524	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	36227	22.960	ug/l	97
56) Ethyl methacrylate	8.62	69	40684	23.211	ug/l	98
57) 1,3-Dichloropropane	8.85	76	63455	22.987	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	25248	140.827	ug/l	99
59) 2-Hexanone	9.49	43	117440	128.014	ug/l	93
60) Dibromochloromethane	8.72	129	52487	22.326	ug/l	99
61) 1,2-Dibromoethane	8.98	107	38197	22.409	ug/l	96
64) Tetrachloroethene	8.15	164	51501	23.073	ug/l	97
65) Chlorobenzene	9.80	112	134150	23.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	56955	23.304	ug/l	94
67) Ethyl Benzene	9.90	91	257835	24.361	ug/l	100
68) m/p-Xylenes	10.13	106	183079	48.095	ug/l	96
69) o-Xylene	10.71	106	96917	23.089	ug/l	90
70) Styrene	10.79	104	145134	24.943	ug/l	97
71) Bromoform	10.77	173	27444	23.247	ug/l	99
73) Isopropylbenzene	11.12	105	299051	23.582	ug/l	99
74) N-amyl acetate	11.37	43	65065	22.219	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	49235	23.590	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	35243	23.231	ug/l	99
77) Bromobenzene	11.50	156	62953	22.643	ug/l	95
78) n-propylbenzene	11.60	91	356912	24.033	ug/l	96
79) 2-Chlorotoluene	11.71	91	196961	23.130	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	230872	22.426	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	19378m	26.070	ug/l	
82) 4-Chlorotoluene	11.90	91	216211	24.127	ug/l	91
83) tert-Butylbenzene	12.13	119	259679	24.762	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	234325	22.806	ug/l	98
85) sec-Butylbenzene	12.31	105	334257	23.284	ug/l	98
86) p-Isopropyltoluene	12.45	119	277978	23.096	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	122099	23.088	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	118573	23.007	ug/l	96
89) n-Butylbenzene	12.84	91	293087	24.082	ug/l	96
90) Hexachloroethane	12.92	117	64190	22.148	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	116630	23.288	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8815	21.845	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	79964	22.851	ug/l	95
94) Hexachlorobutadiene	14.19	225	52252	22.400	ug/l	97
95) Naphthalene	14.46	128	142863	18.855	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	73113	22.502	ug/l	94

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

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