

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061725.D
 Acq On : 25 Feb 2019 12:45
 Operator : VA/AP
 Sample : VF0225SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

Quant Time: Feb 26 04:39:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	340410	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	471657	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	403141	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	243396	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	141802	56.81	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	113.62%	
35) Dibromofluoromethane	4.12	113	200774	57.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.64%	
50) Toluene-d8	7.55	98	562230	55.84	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	111.68%	
62) 4-Bromofluorobenzene	11.41	95	228228	56.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	102572	26.238	ug/l	98
3) Chloromethane	1.09	50	99090	24.159	ug/l	98
4) Vinyl Chloride	1.14	62	91356	23.959	ug/l	96
5) Bromomethane	1.33	94	60626	23.102	ug/l	89
6) Chloroethane	1.39	64	43831	23.326	ug/l	96
7) Trichlorofluoromethane	1.48	101	108809m	23.659	ug/l	
8) Diethyl Ether	1.63	74	26195	22.602	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	76999	23.208	ug/l	89
10) Methyl Iodide	1.90	142	141757m	22.368	ug/l	
11) Tert butyl alcohol	2.57	59	14795	102.410	ug/l	93
12) 1,1-Dichloroethene	1.79	96	68721	23.559	ug/l	94
13) Acrolein	2.01	56	17655	97.234	ug/l	98
14) Allyl chloride	2.10	41	78667	21.977	ug/l	93
15) Acrylonitrile	2.94	53	48558	94.759	ug/l #	83
16) Acetone	2.23	43	65578	122.441	ug/l #	89
17) Carbon Disulfide	1.82	76	211934	23.114	ug/l	96
18) Methyl Acetate	2.34	43	27249	22.584	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	113198	22.707	ug/l	99
20) Methylene Chloride	2.18	84	70681m	23.281	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	65450	20.640	ug/l	98
22) Diisopropyl ether	2.80	45	190303	22.148	ug/l	98
23) Vinyl Acetate	3.19	43	427801	101.938	ug/l	99
24) 1,1-Dichloroethane	2.87	63	116884	22.479	ug/l	99
25) 2-Butanone	4.33	43	125856	107.579	ug/l	99
26) 2,2-Dichloropropane	3.60	77	55460	25.181	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	95728	23.000	ug/l	99
28) Bromochloromethane	3.71	49	50826	20.372	ug/l	94
29) Tetrahydrofuran	4.08	42	54312	102.143	ug/l	98
30) Chloroform	3.86	83	131135	22.177	ug/l	99
31) Cyclohexane	3.69	56	130486m	23.181	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	93583	24.160	ug/l	93
36) 1,1-Dichloropropene	4.28	75	112447	24.067	ug/l	92
37) Ethyl Acetate	4.11	43	46525	21.438	ug/l #	85
38) Carbon Tetrachloride	3.98	117	81010	25.109	ug/l	99

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39) Methylcyclohexane	5.45	83	126112	22.822	ug/l	96
40) Benzene	4.63	78	294384	24.088	ug/l	99
41) Methacrylonitrile	4.75	41	25332	22.825	ug/l	94
42) 1,2-Dichloroethane	4.94	62	72310	24.735	ug/l	97
43) Isopropyl Acetate	6.96	43	52376	20.389	ug/l #	90
44) Trichloroethene	5.50	130	91779	23.223	ug/l	98
45) 1,2-Dichloropropane	6.24	63	66423	22.485	ug/l	97
46) Dibromomethane	6.09	93	43591	23.966	ug/l	89
47) Bromodichloromethane	6.39	83	91189	22.894	ug/l	96
48) Methyl methacrylate	6.72	41	33022	21.361	ug/l	90
49) 1,4-Dioxane	6.70	88	5748	395.537	ug/l	91
51) 4-Methyl-2-Pentanone	8.26	43	210071	114.449	ug/l	98
52) Toluene	7.63	92	166146	22.416	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	79298	23.921	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	112002	25.365	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	48628	22.330	ug/l	95
56) Ethyl methacrylate	8.61	69	53971	22.260	ug/l	95
57) 1,3-Dichloropropane	8.85	76	84300	23.192	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	36033	86.136	ug/l	97
59) 2-Hexanone	9.49	43	153059	118.960	ug/l	96
60) Dibromochloromethane	8.71	129	70673	23.316	ug/l	99
61) 1,2-Dibromoethane	8.99	107	56713	24.010	ug/l	88
64) Tetrachloroethene	8.15	164	82950	25.173	ug/l	98
65) Chlorobenzene	9.80	112	185604	22.688	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.94	131	81458	25.411	ug/l	99
67) Ethyl Benzene	9.90	91	327666	24.085	ug/l	97
68) m/p-Xylenes	10.13	106	262610	50.438	ug/l	97
69) o-Xylene	10.71	106	130325	23.458	ug/l	95
70) Styrene	10.79	104	185321	23.579	ug/l	98
71) Bromoform	10.77	173	42808	24.592	ug/l	99
73) Isopropylbenzene	11.13	105	385986	22.274	ug/l	98
74) N-amyl acetate	11.38	43	93070	22.375	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	66030	21.268	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	43871	20.784	ug/l	99
77) Bromobenzene	11.49	156	94112	21.983	ug/l	95
78) n-propylbenzene	11.59	91	444674	22.361	ug/l	98
79) 2-Chlorotoluene	11.72	91	260783	23.416	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	311258	22.473	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	21892m	21.634	ug/l	
82) 4-Chlorotoluene	11.90	91	253835	21.959	ug/l	95
83) tert-Butylbenzene	12.13	119	336538	21.938	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	317455	23.071	ug/l	98
85) sec-Butylbenzene	12.30	105	458290	23.102	ug/l	95
86) p-Isopropyltoluene	12.46	119	383388	23.028	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	192537	23.069	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	185064	23.056	ug/l	98
89) n-Butylbenzene	12.84	91	370588	23.573	ug/l	97
90) Hexachloroethane	12.91	117	89791	23.189	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	180414	22.727	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10397	21.122	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	134107	23.568	ug/l	97
94) Hexachlorobutadiene	14.19	225	83317	23.709	ug/l	99
95) Naphthalene	14.45	128	212213	21.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	114452	21.915	ug/l	96

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

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