

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061992.D
 Acq On : 18 Mar 2019 12:41
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

Quant Time: Mar 19 01:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	278591	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	405893	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	347619	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	192249	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	94413	47.08	ug/l	-0.02
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	4.09	113	130613	47.92	ug/l	-0.02
Spiked Amount			Recovery	=	95.84%	
50) Toluene-d8	7.53	98	370445	46.49	ug/l	-0.02
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.40	95	156959	49.59	ug/l	-0.01
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	58619	19.738	ug/l	92
3) Chloromethane	1.09	50	60839	20.158	ug/l	92
4) Vinyl Chloride	1.14	62	57797	19.801	ug/l	90
5) Bromomethane	1.32	94	40262	19.635	ug/l	96
6) Chloroethane	1.37	64	29357	19.482	ug/l	100
7) Trichlorofluoromethane	1.47	101	77456	20.030	ug/l	99
8) Diethyl Ether	1.62	74	15826	18.409	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	53961	19.805	ug/l	88
10) Methyl Iodide	1.88	142	88988m	18.661	ug/l	
11) Tert butyl alcohol	2.55	59	9734	79.324	ug/l #	82
12) 1,1-Dichloroethene	1.77	96	43254	18.396	ug/l	90
13) Acrolein	1.99	56	12705m	95.907	ug/l	
14) Allyl chloride	2.09	41	65383	21.784	ug/l	92
15) Acrylonitrile	2.93	53	34669	92.906	ug/l	88
16) Acetone	2.23	43	42344	94.030	ug/l	94
17) Carbon Disulfide	1.81	76	132566	19.494	ug/l	96
18) Methyl Acetate	2.41	43	17928	19.460	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	73359	17.218	ug/l	98
20) Methylene Chloride	2.17	84	44177m	19.055	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	44939	18.314	ug/l	97
22) Diisopropyl ether	2.79	45	134323	18.606	ug/l	97
23) Vinyl Acetate	3.17	43	281355	98.860	ug/l	100
24) 1,1-Dichloroethane	2.86	63	78969	18.812	ug/l	99
25) 2-Butanone	4.32	43	79716	89.383	ug/l	92
26) 2,2-Dichloropropane	3.57	77	38146	19.265	ug/l	90
27) cis-1,2-Dichloroethene	3.46	96	60213	19.469	ug/l	96
28) Bromochloromethane	3.69	49	35351	20.295	ug/l	96
29) Tetrahydrofuran	4.06	42	30734	79.240	ug/l	98
30) Chloroform	3.84	83	91032	19.139	ug/l	89
31) Cyclohexane	3.67	56	80748	19.633	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	60853	19.265	ug/l	95
36) 1,1-Dichloropropene	4.26	75	74319	20.276	ug/l	97
37) Ethyl Acetate	4.09	43	29348	17.832	ug/l #	94
38) Carbon Tetrachloride	3.97	117	58821	21.958	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	82576	19.190	ug/l	97
40) Benzene	4.61	78	183288	18.871	ug/l	94
41) Methacrylonitrile	4.72	41	17368	19.752	ug/l	89
42) 1,2-Dichloroethane	4.92	62	45596	18.858	ug/l	97
43) Isopropyl Acetate	6.94	43	35938	18.456	ug/l #	96
44) Trichloroethene	5.48	130	55905	18.790	ug/l	99
45) 1,2-Dichloropropane	6.22	63	42954	18.688	ug/l	94
46) Dibromomethane	6.06	93	26779	19.585	ug/l	94
47) Bromodichloromethane	6.36	83	59428	18.435	ug/l	99
48) Methyl methacrylate	6.69	41	20545	16.325	ug/l #	76
49) 1,4-Dioxane	6.69	88	4068	363.398	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	132764	96.013	ug/l	100
52) Toluene	7.61	92	111039	18.711	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	52083	19.137	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	68257	19.222	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	31185	18.828	ug/l	95
56) Ethyl methacrylate	8.61	69	37105	19.708	ug/l	96
57) 1,3-Dichloropropane	8.83	76	51048	18.477	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	35951	105.421	ug/l	98
59) 2-Hexanone	9.47	43	95138	95.070	ug/l	99
60) Dibromochloromethane	8.69	129	45094	19.612	ug/l	95
61) 1,2-Dibromoethane	8.97	107	33804	19.027	ug/l	96
64) Tetrachloroethene	8.13	164	43360	17.160	ug/l	95
65) Chlorobenzene	9.78	112	122509	18.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	50031	19.943	ug/l	98
67) Ethyl Benzene	9.88	91	213018	19.223	ug/l	97
68) m/p-Xylenes	10.11	106	169037	40.557	ug/l	94
69) o-Xylene	10.70	106	87099	19.530	ug/l	94
70) Styrene	10.77	104	123648	20.013	ug/l	98
71) Bromoform	10.76	173	24632	19.412	ug/l	96
73) Isopropylbenzene	11.11	105	253545	19.090	ug/l	99
74) N-amyl acetate	11.36	43	58652	19.272	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	42580	19.423	ug/l	90
76) 1,2,3-Trichloropropane	11.78	75	28606	18.660	ug/l	99
77) Bromobenzene	11.47	156	57878	18.817	ug/l	92
78) n-propylbenzene	11.58	91	287873	18.850	ug/l	99
79) 2-Chlorotoluene	11.70	91	163600	18.978	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	201346	18.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	11696m	17.246	ug/l	
82) 4-Chlorotoluene	11.88	91	172554	19.794	ug/l	92
83) tert-Butylbenzene	12.12	119	219074	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	203956	18.979	ug/l	99
85) sec-Butylbenzene	12.29	105	286961	18.929	ug/l	99
86) p-Isopropyltoluene	12.45	119	251755	19.902	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	119906	19.835	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	110675	19.021	ug/l	98
89) n-Butylbenzene	12.84	91	243569	20.491	ug/l	99
90) Hexachloroethane	12.90	117	56453	19.556	ug/l	94
91) 1,2-Dichlorobenzene	12.92	146	111326	19.883	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6399	18.189	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77316	19.830	ug/l	97
94) Hexachlorobutadiene	14.18	225	50211	19.399	ug/l	95
95) Naphthalene	14.44	128	132117	18.841	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	66920	18.656	ug/l	98

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

