

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061942.D
 Acq On : 14 Mar 2019 16:54
 Operator : VA/AP
 Sample : K1922-01
 Misc : 6.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ORG-031419

Quant Time: Mar 15 01:17:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	270	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	565	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	166	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.39	152	66	50.00	ug/l	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.90	65	61	31.02	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	62.04%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
50) Toluene-d8	7.54	98	530	45.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.41	95	112	24.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	48.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	306	95.252	ug/l #	45
4) Vinyl Chloride	1.24	62	87	28.528	ug/l #	1
5) Bromomethane	1.33	94	496	238.651	ug/l #	3
6) Chloroethane	1.49	64	62	42.770	ug/l #	1
8) Diethyl Ether	1.65	74	67	79.104	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62	24.512	ug/l #	21
10) Methyl Iodide	1.97	142	67	13.920	ug/l #	1
11) Tert butyl alcohol	2.58	59	86	770.586	ug/l #	1
12) 1,1-Dichloroethene	1.78	96	237	102.635	ug/l #	1
13) Acrolein	2.04	56	451	3189.217	ug/l	86
14) Allyl chloride	2.05	41	776	305.041	ug/l #	74
15) Acrylonitrile	2.96	53	632	1778.407	ug/l #	5
16) Acetone	2.25	43	1369	3323.822	ug/l #	88
17) Carbon Disulfide	1.87	76	86	11.965	ug/l #	1
18) Methyl Acetate	2.35	43	3692	904.194	ug/l #	62
19) Methyl tert-butyl Ether	2.43	73	218	55.807	ug/l #	1
20) Methylene Chloride	2.18	84	110	47.855	ug/l #	10
21) trans-1,2-Dichloroethene	2.32	96	159	73.161	ug/l #	1
22) Diisopropyl ether	2.82	45	661	99.888	ug/l #	37
23) Vinyl Acetate	3.19	43	839	283.809	ug/l #	76
24) 1,1-Dichloroethane	2.89	63	78	19.720	ug/l #	85
25) 2-Butanone	4.31	43	1091	1302.233	ug/l #	56
26) 2,2-Dichloropropane	3.60	77	78	44.176	ug/l #	55
29) Tetrahydrofuran	4.05	42	172	476.040	ug/l #	33
31) Cyclohexane	3.71	56	445	107.416	ug/l #	15
32) 1,1,1-Trichloroethane	4.19	97	61	21.905	ug/l #	22
36) 1,1-Dichloropropene	4.19	75	66	12.366	ug/l #	41
37) Ethyl Acetate	4.16	43	300	133.920	ug/l #	20
39) Methylcyclohexane	5.46	83	2611	414.191	ug/l #	59
40) Benzene	4.63	78	144	10.322	ug/l #	51
41) Methacrylonitrile	4.74	41	260	211.839	ug/l #	46
43) Isopropyl Acetate	6.95	43	183	66.272	ug/l #	42
45) 1,2-Dichloropropane	6.25	63	61	18.388	ug/l #	45
46) Dibromomethane	6.07	93	62	29.696	ug/l #	2

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	6.42	83	91	19.729	ug/l #	56
48) Methyl methacrylate	6.75	41	533	304.992	ug/l #	18
51) 4-Methyl-2-Pentanone	8.28	43	2218	1162.189	ug/l #	35
52) Toluene	7.61	92	70	8.482	ug/l	97
55) 1,1,2-Trichloroethane	8.37	97	252	105.979	ug/l #	44
56) Ethyl methacrylate	8.62	69	1984	740.354	ug/l #	82
57) 1,3-Dichloropropane	8.96	76	68	17.487	ug/l #	43
59) 2-Hexanone	9.46	43	104	75.538	ug/l #	22
68) m/p-Xylenes	10.18	106	75	37.037	ug/l #	1
74) N-amyl acetate	11.41	43	211	201.714	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.79	83	70	92.693	ug/l #	23
76) 1,2,3-Trichloropropane	11.69	75	72	139.693	ug/l #	39
78) n-propylbenzene	11.71	91	88	17.150	ug/l #	54
79) 2-Chlorotoluene	11.71	91	88	29.997	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.83	105	66	18.092	ug/l #	24
81) trans-1,4-Dichloro-2-buten	12.00	75	92	390.354	ug/l #	18
82) 4-Chlorotoluene	11.82	91	69	22.995	ug/l #	41
86) p-Isopropyltoluene	12.35	119	62	14.469	ug/l #	50
89) n-Butylbenzene	12.88	91	89	21.734	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.78	75	65	462.082	ug/l #	1
95) Naphthalene	14.44	128	65	26.461	ug/l #	70

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

