

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062843.D
 Acq On : 4 Jun 2019 17:14
 Operator : FY/SY
 Sample : K3173-02
 Misc : 4.41g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-02-004-A

Quant Time: Jun 05 05:22:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	1332	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.86	114	228	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.00	117	135	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.59	152	435	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	488	52.98	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	105.96%	
35) Dibromofluoromethane	4.38	113	78	45.27	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	90.54%	
50) Toluene-d8	7.82	98	86	19.74	ug/l	0.08
Spiked Amount				50.000		
			Recovery	=	39.48%	
62) 4-Bromofluorobenzene	11.65	95	113	72.10	ug/l	0.14
Spiked Amount				50.000		
			Recovery	=	144.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	83	1.314	ug/l #	1
3) Chloromethane	1.08	50	839	60.875	ug/l	90
4) Vinyl Chloride	1.18	62	263	19.203	ug/l #	22
5) Bromomethane	1.41	94	465	59.533	ug/l #	59
6) Chloroethane	1.48	64	545	106.430	ug/l	96
7) Trichlorofluoromethane	1.58	101	182	9.387	ug/l #	16
8) Diethyl Ether	1.73	74	363	95.160	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.94	101	92	7.547	ug/l #	19
10) Methyl Iodide	1.98	142	155	6.342	ug/l #	36
11) Tert butyl alcohol	2.69	59	571	1023.324	ug/l #	70
12) 1,1-Dichloroethene	1.92	96	617	55.741	ug/l #	9
13) Acrolein	2.24	56	494	2282.660	ug/l	96
14) Allyl chloride	2.22	41	741	86.291	ug/l #	43
15) Acrylonitrile	3.10	53	101	48.172	ug/l #	48
16) Acetone	2.32	43	617	292.672	ug/l	95
17) Carbon Disulfide	1.95	76	369	11.406	ug/l #	4
18) Methyl Acetate	2.46	43	194	52.660	ug/l #	46
19) Methyl tert-butyl Ether	2.53	73	587	29.271	ug/l #	1
20) Methylene Chloride	2.36	84	458	42.964	ug/l #	12
21) trans-1,2-Dichloroethene	2.44	96	452	40.727	ug/l #	15
22) Diisopropyl ether	2.95	45	1301	53.326	ug/l #	69
23) Vinyl Acetate	3.36	43	1382	82.742	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	323	17.732	ug/l #	88
25) 2-Butanone	4.53	43	1525	310.627	ug/l #	5
26) 2,2-Dichloropropane	3.78	77	1321	127.718	ug/l	85
27) cis-1,2-Dichloroethene	3.70	96	727	38.969	ug/l	54
28) Bromochloromethane	3.93	49	409	41.277	ug/l #	3
29) Tetrahydrofuran	4.30	42	928	494.217	ug/l #	57
30) Chloroform	4.08	83	164	6.388	ug/l #	59
31) Cyclohexane	3.93	56	637	25.829	ug/l #	50
32) 1,1,1-Trichloroethane	4.30	97	124	8.296	ug/l #	43
36) 1,1-Dichloropropene	4.58	75	593	282.522	ug/l #	53
37) Ethyl Acetate	4.39	43	638	795.161	ug/l #	21
38) Carbon Tetrachloride	4.24	117	150	105.742	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.71	83	567	217.047	ug/l #	71
40) Benzene	4.89	78	618	101.167	ug/l #	52
41) Methacrylonitrile	5.05	41	1904	4268.625	ug/l #	47
42) 1,2-Dichloroethane	5.19	62	153	131.689	ug/l #	69
43) Isopropyl Acetate	7.20	43	966	911.392	ug/l #	99
44) Trichloroethene	5.79	130	80	46.403	ug/l #	3
45) 1,2-Dichloropropane	6.54	63	164	106.983	ug/l #	44
46) Dibromomethane	6.38	93	117	130.725	ug/l #	2
47) Bromodichloromethane	6.66	83	166	91.072	ug/l #	7
48) Methyl methacrylate	6.98	41	499	913.511	ug/l #	53
49) 1,4-Dioxane	7.22	88	238	33055.058	ug/l #	92
51) 4-Methyl-2-Pentanone	8.62	43	1391	1838.203	ug/l #	91
52) Toluene	7.90	92	207	62.914	ug/l #	1
53) t-1,3-Dichloropropene	8.51	75	80	52.966	ug/l #	1
54) cis-1,3-Dichloropropene	7.53	75	683	312.394	ug/l #	67
55) 1,1,2-Trichloroethane	8.76	97	272	276.718	ug/l #	13
56) Ethyl methacrylate	8.86	69	374	354.611	ug/l #	75
57) 1,3-Dichloropropane	9.09	76	364	226.768	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.55	63	243	659.256	ug/l #	51
59) 2-Hexanone	9.78	43	1035	1918.927	ug/l #	92
60) Dibromochloromethane	8.96	129	134	110.112	ug/l #	35
61) 1,2-Dibromoethane	9.28	107	142	139.100	ug/l #	1
64) Tetrachloroethene	8.31	164	64	61.693	ug/l #	5
65) Chlorobenzene	9.90	112	96	36.823	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.03	131	66	63.567	ug/l #	1
67) Ethyl Benzene	10.01	91	455	101.703	ug/l #	95
68) m/p-Xylenes	10.11	106	273	159.465	ug/l #	90
69) o-Xylene	10.82	106	534	308.081	ug/l #	41
70) Styrene	10.92	104	253	99.030	ug/l #	1
71) Bromoform	10.86	173	76	152.585	ug/l #	28
73) Isopropylbenzene	11.23	105	291	9.587	ug/l #	44
74) N-amyl acetate	11.26	43	726	84.866	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.81	83	69	10.645	ug/l #	25
76) 1,2,3-Trichloropropane	11.86	75	354	82.392	ug/l #	42
77) Bromobenzene	11.62	156	95	12.457	ug/l #	30
78) n-propylbenzene	11.70	91	143	3.902	ug/l #	49
79) 2-Chlorotoluene	11.78	91	110	5.246	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.83	105	108	4.351	ug/l #	72
81) trans-1,4-Dichloro-2-buten	11.94	75	221	121.494	ug/l #	84
82) 4-Chlorotoluene	11.96	91	187	9.074	ug/l #	74
83) tert-Butylbenzene	12.15	119	390	15.857	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.33	105	186	7.903	ug/l #	24
85) sec-Butylbenzene	12.35	105	176	5.431	ug/l #	55
86) p-Isopropyltoluene	12.51	119	206	7.636	ug/l #	19
87) 1,3-Dichlorobenzene	12.58	146	74	5.502	ug/l #	1
88) 1,4-Dichlorobenzene	12.65	146	175	13.942	ug/l #	23
89) n-Butylbenzene	12.92	91	189	6.965	ug/l #	24
90) Hexachloroethane	12.86	117	150	22.798	ug/l #	80
91) 1,2-Dichlorobenzene	13.00	146	127	10.743	ug/l #	36
92) 1,2-Dibromo-3-Chloropropan	13.74	75	372	526.780	ug/l #	15

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	139	17.125	ug/l #	10
94) Hexachlorobutadiene	14.20	225	171	30.452	ug/l #	19
95) Naphthalene	14.51	128	418	31.433	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	250	33.741	ug/l #	11

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

