

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062829.D
 Acq On : 3 Jun 2019 15:24
 Operator : FY/SY
 Sample : K3097-10
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

Quant Time: Jun 04 08:52:36 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	5.15	168	280	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	5.91	114	277	50.00	ug/l	0.10
63) Chlorobenzene-d5	10.10	117	202	50.00	ug/l	0.16
72) 1,4-Dichlorobenzene-d4	12.59	152	130	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.15	65	542	279.93	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	559.86%	
35) Dibromofluoromethane	4.40	113	340	162.43	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	324.86%	
50) Toluene-d8	7.88	98	222	41.94	ug/l	0.14
Spiked Amount				50.000		
			Recovery	=	83.88%	
62) 4-Bromofluorobenzene	11.72	95	491	257.88	ug/l	0.21
Spiked Amount				50.000		
			Recovery	=	515.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.87	85	358	118.937	ug/l	87
3) Chloromethane	1.18	50	782	269.917	ug/l #	41
4) Vinyl Chloride	1.22	62	311	108.023	ug/l #	42
5) Bromomethane	1.44	94	591	359.948	ug/l #	42
6) Chloroethane	1.49	64	226	209.952	ug/l #	21
7) Trichlorofluoromethane	1.56	101	522	128.075	ug/l #	82
8) Diethyl Ether	1.65	74	262	326.734	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.92	101	178	69.465	ug/l #	19
10) Methyl Iodide	2.04	142	400	77.853	ug/l #	36
11) Tert butyl alcohol	2.79	59	1026	8747.233	ug/l #	1
12) 1,1-Dichloroethene	1.92	96	852	366.166	ug/l #	4
13) Acrolein	2.12	56	269	5926.521	ug/l	86
14) Allyl chloride	2.22	41	953	527.940	ug/l #	13
15) Acrylonitrile	3.14	53	319	723.779	ug/l #	5
16) Acetone	2.38	43	1134	2558.915	ug/l	91
17) Carbon Disulfide	1.97	76	703	103.372	ug/l #	15
18) Methyl Acetate	2.53	43	396	511.355	ug/l #	47
19) Methyl tert-butyl Ether	2.60	73	236	55.983	ug/l #	1
20) Methylene Chloride	2.42	84	304	142.514	ug/l #	12
21) trans-1,2-Dichloroethene	2.46	96	833	357.053	ug/l #	10
22) Diisopropyl ether	3.02	45	478	93.204	ug/l #	42
23) Vinyl Acetate	3.40	43	423	120.477	ug/l #	73
24) 1,1-Dichloroethane	3.10	63	655	171.055	ug/l #	88
25) 2-Butanone	4.69	43	1197	1159.870	ug/l	92
26) 2,2-Dichloropropane	3.88	77	529	243.306	ug/l	80
27) cis-1,2-Dichloroethene	3.74	96	800	203.998	ug/l	17
28) Bromochloromethane	3.99	49	185	88.819	ug/l #	3
29) Tetrahydrofuran	4.34	42	377	955.118	ug/l #	82
30) Chloroform	4.14	83	394	73.007	ug/l #	15
31) Cyclohexane	3.97	56	161	31.056	ug/l #	61
32) 1,1,1-Trichloroethane	4.40	97	468	148.944	ug/l	90
36) 1,1-Dichloropropene	4.62	75	1004	393.719	ug/l #	23
37) Ethyl Acetate	4.40	43	297	304.681	ug/l #	51
38) Carbon Tetrachloride	4.29	117	182	105.604	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.77	83	187	58.921	ug/l #	18
40) Benzene	4.95	78	334	45.004	ug/l #	1
41) Methacrylonitrile	5.07	41	670	1236.377	ug/l #	82
42) 1,2-Dichloroethane	5.23	62	233	165.070	ug/l	69
43) Isopropyl Acetate	7.25	43	324	251.610	ug/l #	38
44) Trichloroethene	5.78	130	186	88.803	ug/l	81
45) 1,2-Dichloropropane	6.45	63	653	350.622	ug/l	99
46) Dibromomethane	6.35	93	296	272.221	ug/l #	20
47) Bromodichloromethane	6.71	83	108	48.770	ug/l #	23
48) Methyl methacrylate	7.03	41	729	1098.490	ug/l #	80
49) 1,4-Dioxane	6.99	88	359	41040.297	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	1067	1160.609	ug/l	94
52) Toluene	7.77	92	93	23.266	ug/l	79
53) t-1,3-Dichloropropene	8.59	75	62	33.787	ug/l #	43
54) cis-1,3-Dichloropropene	7.64	75	226	85.083	ug/l #	1
55) 1,1,2-Trichloroethane	8.80	97	157	131.469	ug/l #	50
56) Ethyl methacrylate	8.91	69	386	301.247	ug/l #	13
57) 1,3-Dichloropropane	9.19	76	363	186.141	ug/l #	7
58) 2-Chloroethyl Vinyl ether	7.60	63	163	363.991	ug/l #	51
59) 2-Hexanone	9.82	43	370	564.644	ug/l	88
60) Dibromochloromethane	8.95	129	62	41.935	ug/l	58
61) 1,2-Dibromoethane	9.31	107	86	69.341	ug/l #	76
64) Tetrachloroethene	8.30	164	126	81.173	ug/l #	8
65) Chlorobenzene	9.88	112	60	15.381	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.11	131	83	53.425	ug/l #	6
67) Ethyl Benzene	10.04	91	60	8.963	ug/l #	1
68) m/p-Xylenes	10.28	106	86	33.573	ug/l	87
69) o-Xylene	10.80	106	134	51.667	ug/l	49
70) Styrene	10.87	104	335	87.634	ug/l #	1
71) Bromoform	10.89	173	280	375.698	ug/l #	28
73) Isopropylbenzene	11.25	105	122	13.450	ug/l #	44
74) N-amyl acetate	11.46	43	441	172.497	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.79	83	248	128.026	ug/l #	25
76) 1,2,3-Trichloropropane	11.73	75	205	159.654	ug/l	69
77) Bromobenzene	11.63	156	120	52.651	ug/l	71
78) n-propylbenzene	11.67	91	168	15.339	ug/l #	49
79) 2-Chlorotoluene	11.87	91	425	67.816	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	305	41.116	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.94	75	133	244.658	ug/l #	69
82) 4-Chlorotoluene	11.87	91	425	69.007	ug/l	89
83) tert-Butylbenzene	12.23	119	63	8.571	ug/l #	45
84) 1,2,4-Trimethylbenzene	12.41	105	90	12.796	ug/l	72
85) sec-Butylbenzene	12.41	105	90	9.292	ug/l #	55
86) p-Isopropyltoluene	12.51	119	403	49.989	ug/l #	14
87) 1,3-Dichlorobenzene	12.60	146	149	37.069	ug/l #	76
88) 1,4-Dichlorobenzene	12.64	146	211	56.249	ug/l #	34
89) n-Butylbenzene	12.94	91	513	63.258	ug/l #	24
90) Hexachloroethane	12.83	117	126	64.081	ug/l	90
91) 1,2-Dichlorobenzene	12.99	146	90	25.475	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	69	326.950	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	77	31.743	ug/l #	10
94) Hexachlorobutadiene	14.21	225	119	70.911	ug/l #	45
95) Naphthalene	14.54	128	130	32.712	ug/l #	19
96) 1,2,3-Trichlorobenzene	14.57	180	60	27.097	ug/l #	11

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

