

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060303.D
 Acq On : 20 Sep 2018 17:59
 Operator : VA/AP
 Sample : J5021-09
 Misc : 6.05/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

Quant Time: Sep 21 05:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	71	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.50	114	63	50.00	ug/l	-0.26
63) Chlorobenzene-d5	9.44	117	77	50.00	ug/l	-0.48
72) 1,4-Dichlorobenzene-d4	12.65	152	428	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	71	74.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	148.52%	
35) Dibromofluoromethane	4.00	113	66	117.52	ug/l	-0.29
Spiked Amount 50.000			Recovery	=	235.04%	
50) Toluene-d8	7.40	98	72	49.23	ug/l	-0.31
Spiked Amount 50.000			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.01	95	759	1200.56	ug/l	-0.50
Spiked Amount 50.000			Recovery	=	2401.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	65	62.637	ug/l #	40
3) Chloromethane	1.13	50	107	110.590	ug/l #	42
4) Vinyl Chloride	1.10	62	147	149.079	ug/l #	43
5) Bromomethane	1.39	94	97	194.691	ug/l	88
6) Chloroethane	1.43	64	78	166.096	ug/l #	1
7) Trichlorofluoromethane	1.38	101	64	34.839	ug/l #	18
8) Diethyl Ether	1.76	74	89	291.198	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	96	98.262	ug/l #	23
10) Methyl Iodide	1.85	142	62	39.354	ug/l #	24
11) Tert butyl alcohol	2.59	59	156	3115.323	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	518	641.114	ug/l #	1
13) Acrolein	1.92	56	174	3801.291	ug/l	91
14) Allyl chloride	2.18	41	1202	852.514	ug/l #	44
15) Acrylonitrile	3.06	53	134	992.409	ug/l #	20
16) Acetone	2.28	43	834	3097.598	ug/l #	83
17) Carbon Disulfide	1.84	76	70	31.989	ug/l #	70
18) Methyl Acetate	2.41	43	865	1928.514	ug/l #	46
19) Methyl tert-butyl Ether	2.54	73	274	136.032	ug/l #	36
20) Methylene Chloride	2.28	84	193	303.007	ug/l #	1
21) trans-1,2-Dichloroethene	2.39	96	198	237.268	ug/l #	1
22) Diisopropyl ether	2.93	45	223	83.828	ug/l #	7
23) Vinyl Acetate	3.31	43	1178	1127.490	ug/l #	79
24) 1,1-Dichloroethane	2.99	63	68	39.415	ug/l #	89
25) 2-Butanone	4.51	43	801	2210.286	ug/l #	86
26) 2,2-Dichloropropane	3.73	77	114	115.808	ug/l #	58
27) cis-1,2-Dichloroethene	3.59	96	559	509.893	ug/l	1
28) Bromochloromethane	3.78	49	134	199.496	ug/l #	8
29) Tetrahydrofuran	4.21	42	597	4498.501	ug/l #	35
30) Chloroform	3.89	83	110	52.842	ug/l	94
31) Cyclohexane	3.83	56	189	129.696	ug/l #	15
32) 1,1,1-Trichloroethane	4.25	97	125	76.100	ug/l #	46
36) 1,1-Dichloropropene	4.25	75	64	81.442	ug/l #	1
37) Ethyl Acetate	4.08	43	371	1115.758	ug/l #	1
38) Carbon Tetrachloride	3.92	117	84	99.517	ug/l #	14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.40	83	77	90.408	ug/l #	6
40) Benzene	4.61	78	71	39.846	ug/l #	1
41) Methacrylonitrile	4.69	41	824	4566.952	ug/l #	36
42) 1,2-Dichloroethane	4.92	62	63	96.056	ug/l	79
43) Isopropyl Acetate	6.76	43	474	1184.123	ug/l #	48
44) Trichloroethene	5.48	130	60	113.143	ug/l	1
45) 1,2-Dichloropropane	6.05	63	218	472.722	ug/l #	42
46) Dibromomethane	5.95	93	67	203.254	ug/l #	5
47) Bromodichloromethane	6.24	83	270	340.838	ug/l #	26
48) Methyl methacrylate	6.53	41	476	1693.973	ug/l #	48
49) 1,4-Dioxane	6.56	88	250	99585.528	ug/l #	56
51) 4-Methyl-2-Pentanone	8.01	43	171	554.252	ug/l #	35
52) Toluene	7.47	92	72	63.871	ug/l	77
53) t-1,3-Dichloropropene	8.02	75	66	103.289	ug/l #	42
54) cis-1,3-Dichloropropene	7.13	75	64	79.506	ug/l #	29
55) 1,1,2-Trichloroethane	8.24	97	92	268.901	ug/l #	37
56) Ethyl methacrylate	8.33	69	471	1139.870	ug/l #	78
57) 1,3-Dichloropropane	8.45	76	70	123.566	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.44	63	79	2162.689	ug/l	100
59) 2-Hexanone	9.15	43	568	2585.680	ug/l	78
60) Dibromochloromethane	8.36	129	60	117.662	ug/l #	32
61) 1,2-Dibromoethane	8.67	107	77	202.105	ug/l	92
65) Chlorobenzene	9.89	112	60	34.381	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	86	118.746	ug/l #	58
67) Ethyl Benzene	10.02	91	424	131.403	ug/l #	49
68) m/p-Xylenes	10.15	106	75	67.277	ug/l	85
69) o-Xylene	10.71	106	122	97.570	ug/l	97
70) Styrene	10.87	104	194	110.016	ug/l #	31
71) Bromoform	10.91	173	67	168.447	ug/l #	31
73) Isopropylbenzene	11.21	105	655	17.047	ug/l #	51
74) N-amyl acetate	11.51	43	847	103.375	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	11.79	83	992	145.682	ug/l #	47
76) 1,2,3-Trichloropropane	11.74	75	171	35.073	ug/l #	1
77) Bromobenzene	11.68	156	79	9.540	ug/l #	1
78) n-propylbenzene	11.69	91	2233	60.769	ug/l	88
79) 2-Chlorotoluene	11.79	91	787	30.365	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.97	105	628	20.305	ug/l	79
81) trans-1,4-Dichloro-2-buten	12.04	75	85	32.989	ug/l #	1
82) 4-Chlorotoluene	11.98	91	696	26.717	ug/l #	43
83) tert-Butylbenzene	12.19	119	1343	42.835	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.22	105	926	29.485	ug/l	74
85) sec-Butylbenzene	12.40	105	405	3.284	ug/l	83
86) p-Isopropyltoluene	12.51	119	784	22.523	ug/l #	1
87) 1,3-Dichlorobenzene	12.59	146	360	23.266	ug/l #	1
88) 1,4-Dichlorobenzene	12.67	146	122	7.977	ug/l #	1
89) n-Butylbenzene	12.95	91	326	5.665	ug/l	67
90) Hexachloroethane	12.97	117	466	53.115	ug/l #	22
91) 1,2-Dichlorobenzene	12.99	146	339	22.966	ug/l #	48
92) 1,2-Dibromo-3-Chloropropan	13.75	75	282	220.576	ug/l	81
93) 1,2,4-Trichlorobenzene	14.24	180	84	7.830	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.54	128	496	26.369	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	66	6.658	ug/l #	12

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

