

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062833.D
 Acq On : 3 Jun 2019 17:23
 Operator : FY/SY
 Sample : K3138-05RE
 Misc : 5.01g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-09-1.5-2.0RE

Quant Time: Jun 04 08:53:41 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	5.05	168	526	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.66	114	60	50.00	ug/l	-0.14
63) Chlorobenzene-d5	9.70	117	263	50.00	ug/l	-0.23
72) 1,4-Dichlorobenzene-d4	12.71	152	285	50.00	ug/l	0.08
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	253	69.56	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	139.12%	
35) Dibromofluoromethane	4.25	113	60	132.34	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	264.68%	
50) Toluene-d8	7.56	98	529	461.39	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	922.78%	
62) 4-Bromofluorobenzene	11.25	95	448	1086.28	ug/l	-0.26
Spiked Amount	50.000		Recovery	=	2172.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.06	85	150	22.866	ug/l	71
3) Chloromethane	1.28	50	276	50.711	ug/l	95
4) Vinyl Chloride	1.18	62	280	51.771	ug/l	93
5) Bromomethane	1.36	94	568	184.150	ug/l	91
6) Chloroethane	1.34	64	361	178.522	ug/l	98
7) Trichlorofluoromethane	1.47	101	90	11.755	ug/l	97
8) Diethyl Ether	1.69	74	533	353.828	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.89	101	60	12.464	ug/l #	19
10) Methyl Iodide	2.01	142	280	29.010	ug/l #	36
11) Tert butyl alcohol	2.69	59	225	1021.123	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	1338	306.102	ug/l #	6
13) Acrolein	2.02	56	560	6568.533	ug/l	90
14) Allyl chloride	2.21	41	797	235.029	ug/l #	28
15) Acrylonitrile	3.09	53	232	280.205	ug/l #	83
16) Acetone	2.48	43	1378	1655.253	ug/l	91
17) Carbon Disulfide	1.92	76	169	13.228	ug/l #	1
18) Methyl Acetate	2.36	43	479	329.257	ug/l	93
19) Methyl tert-butyl Ether	2.58	73	288	36.367	ug/l #	58
20) Methylene Chloride	2.38	84	573	143.002	ug/l #	9
21) trans-1,2-Dichloroethene	2.45	96	914	208.548	ug/l #	1
22) Diisopropyl ether	2.99	45	867	89.991	ug/l #	12
23) Vinyl Acetate	3.35	43	222	33.658	ug/l #	73
24) 1,1-Dichloroethane	3.06	63	413	57.414	ug/l #	88
25) 2-Butanone	4.53	43	1515	781.448	ug/l #	74
26) 2,2-Dichloropropane	3.81	77	1678	410.829	ug/l #	50
27) cis-1,2-Dichloroethene	3.65	96	165	22.397	ug/l	35
28) Bromochloromethane	3.84	49	99	25.301	ug/l	85
29) Tetrahydrofuran	4.29	42	1236	1666.888	ug/l #	70
30) Chloroform	4.04	83	348	34.326	ug/l	98
31) Cyclohexane	3.88	56	707	72.596	ug/l #	13
32) 1,1,1-Trichloroethane	4.30	97	334	56.584	ug/l #	58
36) 1,1-Dichloropropene	4.39	75	300	543.129	ug/l #	24
37) Ethyl Acetate	4.23	43	887	4200.892	ug/l #	71
38) Carbon Tetrachloride	4.06	117	287	768.813	ug/l #	1

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

39) Methylcyclohexane	5.51	83	169	245.833	ug/l #	22
40) Benzene	4.72	78	596	370.749	ug/l #	21
41) Methacrylonitrile	4.84	41	747	6363.928	ug/l #	64
42) 1,2-Dichloroethane	4.99	62	519	1697.495	ug/l #	69
43) Isopropyl Acetate	6.97	43	1292	4632.062	ug/l #	38
44) Trichloroethene	5.57	130	72	158.699	ug/l #	96
45) 1,2-Dichloropropane	6.27	63	98	242.929	ug/l #	1
46) Dibromomethane	6.12	93	213	904.352	ug/l #	40
47) Bromodichloromethane	6.46	83	109	227.241	ug/l #	23
48) Methyl methacrylate	6.71	41	474	3297.428	ug/l #	50
49) 1,4-Dioxane	6.71	88	481	253857.290	ug/l #	58
51) 4-Methyl-2-Pentanone	8.22	43	201	1009.360	ug/l #	32
52) Toluene	7.65	92	218	251.777	ug/l #	55
53) t-1,3-Dichloropropene	8.11	75	232	583.683	ug/l #	96
54) cis-1,3-Dichloropropene	7.28	75	357	620.488	ug/l #	1
55) 1,1,2-Trichloroethane	8.44	97	96	371.128	ug/l #	13
56) Ethyl methacrylate	8.57	69	212	763.837	ug/l #	28
57) 1,3-Dichloropropane	8.78	76	319	755.186	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.32	63	84	865.986	ug/l #	51
59) 2-Hexanone	9.31	43	416	2930.860	ug/l #	87
60) Dibromochloromethane	8.63	129	203	633.881	ug/l #	12
61) 1,2-Dibromoethane	8.93	107	63	234.511	ug/l #	100
64) Tetrachloroethene	8.32	164	95	47.007	ug/l #	53
65) Chlorobenzene	9.95	112	86	16.933	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	199	98.382	ug/l #	63
67) Ethyl Benzene	10.07	91	759	87.085	ug/l #	56
68) m/p-Xylenes	10.22	106	75	22.488	ug/l #	79
69) o-Xylene	10.86	106	143	42.348	ug/l #	46
70) Styrene	10.93	104	382	76.751	ug/l #	1
71) Bromoform	10.90	173	79	81.415	ug/l #	28
73) Isopropylbenzene	11.23	105	60	3.017	ug/l #	44
74) N-amyl acetate	11.45	43	823	146.839	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.74	83	182	42.857	ug/l #	65
76) 1,2,3-Trichloropropane	11.89	75	115	40.853	ug/l #	13
77) Bromobenzene	11.61	156	99	19.814	ug/l #	55
78) n-propylbenzene	11.70	91	151	6.289	ug/l #	49
79) 2-Chlorotoluene	11.85	91	529	38.503	ug/l #	60
80) 1,3,5-Trimethylbenzene	11.90	105	179	11.007	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.97	75	80	67.127	ug/l #	28
82) 4-Chlorotoluene	12.03	91	597	44.216	ug/l #	37
83) tert-Butylbenzene	12.22	119	130	8.067	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.26	105	307	19.910	ug/l #	24
85) sec-Butylbenzene	12.41	105	336	15.824	ug/l #	55
86) p-Isopropyltoluene	12.58	119	186	10.524	ug/l #	48
87) 1,3-Dichlorobenzene	12.55	146	90	10.213	ug/l #	23
88) 1,4-Dichlorobenzene	12.69	146	77	9.363	ug/l #	63
89) n-Butylbenzene	12.89	91	176	9.899	ug/l #	24
90) Hexachloroethane	12.98	117	86	19.951	ug/l #	10
91) 1,2-Dichlorobenzene	13.06	146	93	12.007	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	13.68	75	201	434.437	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	80	15.043	ug/l #	10
94) Hexachlorobutadiene	14.21	225	60	16.309	ug/l #	19
95) Naphthalene	14.50	128	64	7.346	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.57	180	76	15.656	ug/l #	81

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

