

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062805.D
 Acq On : 31 May 2019 13:29
 Operator : FY/SY
 Sample : K3104-10
 Misc : 4.84g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-251-688

Quant Time: Jun 01 00:53:48 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	5.08	168	23882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.81	114	23817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	8127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.77	152	86	50.00	ug/l	0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	2682	16.24	ug/l	0.01
Spiked Amount			Recovery	=	32.48%	
35) Dibromofluoromethane	4.33	113	6316	35.09	ug/l	0.00
Spiked Amount			Recovery	=	70.18%	
50) Toluene-d8	7.74	98	14171	31.14	ug/l	0.00
Spiked Amount			Recovery	=	62.28%	
62) 4-Bromofluorobenzene	11.52	95	809	4.94	ug/l	0.01
Spiked Amount			Recovery	=	9.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	78	Below Cal	#	39
3) Chloromethane	1.20	50	398	1.611	ug/l	89
4) Vinyl Chloride	1.21	62	304	1.238	ug/l #	27
5) Bromomethane	1.30	94	513	3.663	ug/l	81
6) Chloroethane	1.53	64	345	3.758	ug/l	99
7) Trichlorofluoromethane	1.60	101	361	1.038	ug/l #	16
8) Diethyl Ether	1.74	74	148	2.164	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.91	101	452	2.068	ug/l #	58
11) Tert butyl alcohol	2.70	59	623	62.273	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	555	2.797	ug/l #	8
13) Acrolein	2.11	56	162	33.446	ug/l #	28
14) Allvl chloride	2.22	41	1738	11.288	ug/l #	39
15) Acrylonitrile	3.15	53	365	9.709	ug/l	94
16) Acetone	2.51	43	516	13.651	ug/l	99
18) Methyl Acetate	2.46	43	964	14.595	ug/l #	47
19) Methyl tert-butyl Ether	2.56	73	937	2.606	ug/l #	58
20) Methylene Chloride	2.37	84	151	Below Cal	#	60
21) trans-1,2-Dichloroethene	2.43	96	780	3.920	ug/l #	1
22) Diisopropyl ether	2.96	45	1055	2.412	ug/l #	48
23) Vinyl Acetate	3.38	43	316	1.055	ug/l #	73
24) 1,1-Dichloroethane	3.04	63	340	1.041	ug/l #	1
25) 2-Butanone	4.70	43	597	6.782	ug/l	99
26) 2,2-Dichloropropane	3.70	77	755	4.071	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	641	1.916	ug/l	51
28) Bromochloromethane	3.94	49	449	2.527	ug/l #	3
29) Tetrahydrofuran	4.28	42	830	24.654	ug/l #	78
31) Cyclohexane	3.92	56	837	1.893	ug/l #	43
32) 1,1,1-Trichloroethane	4.34	97	317	1.183	ug/l #	22
36) 1,1-Dichloropropene	4.51	75	342	1.560	ug/l #	39
37) Ethyl Acetate	4.33	43	1194	14.246	ug/l #	49
38) Carbon Tetrachloride	4.20	117	284	1.917	ug/l #	72
40) Benzene	4.87	78	649	1.017	ug/l #	50
41) Methacrylonitrile	4.95	41	417	8.950	ug/l #	37
42) 1,2-Dichloroethane	5.14	62	471	3.881	ug/l	69

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43) Isopropyl Acetate	7.13	43	833	7.524	ug/l #	87
45) 1,2-Dichloropropane	6.48	63	290	1.811	ug/l #	1
46) Dibromomethane	6.27	93	221	2.364	ug/l #	38
48) Methyl methacrylate	6.92	41	440	7.711	ug/l #	24
49) 1,4-Dioxane	6.87	88	119	158.218	ug/l #	1
51) 4-Methyl-2-Pentanone	8.49	43	832	10.525	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	664	4.208	ug/l #	58
55) 1,1,2-Trichloroethane	8.63	97	371	3.613	ug/l #	54
56) Ethyl methacrylate	8.78	69	239	2.169	ug/l #	16
57) 1,3-Dichloropropane	9.06	76	230	1.372	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.32	63	386	10.025	ug/l	96
59) 2-Hexanone	9.50	43	1027	18.228	ug/l	86
60) Dibromochloromethane	8.89	129	240	1.888	ug/l	78
61) 1,2-Dibromoethane	9.18	107	142	1.332	ug/l #	1
64) Tetrachloroethene	8.33	164	282	4.516	ug/l #	11
65) Chlorobenzene	9.94	112	222	1.415	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.06	131	360	5.760	ug/l #	49
67) Ethyl Benzene	10.15	91	357	1.326	ug/l	92
68) m/p-Xylenes	10.28	106	633	6.142	ug/l #	18
69) o-Xylene	10.84	106	229	2.195	ug/l	89
70) Styrene	10.92	104	158	1.027	ug/l #	52
71) Bromoform	10.89	173	74	2.468	ug/l #	28
73) Isopropylbenzene	11.33	105	356	59.326	ug/l	75
74) N-amyl acetate	11.44	43	693	409.753	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.77	83	367	286.390	ug/l #	25
76) 1,2,3-Trichloropropane	11.87	75	886	1043.051	ug/l	98
77) Bromobenzene	11.62	156	129	85.559	ug/l #	15
78) n-propylbenzene	11.70	91	466	64.316	ug/l #	49
79) 2-Chlorotoluene	11.77	91	360	86.835	ug/l	91
80) 1,3,5-Trimethylbenzene	11.79	105	210	42.793	ug/l	66
81) trans-1,4-Dichloro-2-buten	11.87	75	886	2463.694	ug/l	96
82) 4-Chlorotoluene	11.99	91	187	45.898	ug/l #	37
83) tert-Butylbenzene	12.05	119	320	65.809	ug/l	78
84) 1,2,4-Trimethylbenzene	12.29	105	248	53.301	ug/l #	24
85) sec-Butylbenzene	12.37	105	151	23.567	ug/l #	1
86) p-Isopropyltoluene	12.56	119	137	25.688	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	124	46.633	ug/l #	62
88) 1,4-Dichlorobenzene	12.67	146	223	89.863	ug/l #	47
89) n-Butylbenzene	12.91	91	432	80.525	ug/l #	63
90) Hexachloroethane	12.98	117	208	159.908	ug/l #	10
91) 1,2-Dichlorobenzene	13.04	146	200	85.573	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	532	3810.562	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	63	39.259	ug/l #	10
94) Hexachlorobutadiene	14.33	225	265	238.704	ug/l	62
95) Naphthalene	14.51	128	361	137.313	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.59	180	71	48.469	ug/l #	1

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

