

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062884.D
 Acq On : 6 Jun 2019 15:54
 Operator : FY/SY
 Sample : K3211-05RE
 Misc : 5.45g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-5124RE

Quant Time: Jun 07 01:12:57 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	5.11	168	818	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.92	114	74	50.00	ug/l	0.11
63) Chlorobenzene-d5	10.11	117	216	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	12.73	152	326	50.00	ug/l	0.10

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	1230	217.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	434.90%	
35) Dibromofluoromethane	4.41	113	160	286.13	ug/l	0.07
Spiked Amount	50.000		Recovery	=	572.26%	
50) Toluene-d8	7.87	98	272	192.36	ug/l	0.13
Spiked Amount	50.000		Recovery	=	384.72%	
62) 4-Bromofluorobenzene	11.72	95	192	377.47	ug/l	0.21
Spiked Amount	50.000		Recovery	=	754.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.03	85	286	29.100	ug/l	92
3) Chloromethane	1.21	50	865	102.199	ug/l	93
4) Vinyl Chloride	1.21	62	252	29.961	ug/l #	1
5) Bromomethane	1.43	94	517	107.782	ug/l	97
6) Chloroethane	1.49	64	169	53.741	ug/l #	84
7) Trichlorofluoromethane	1.60	101	134	11.254	ug/l	85
8) Diethyl Ether	1.73	74	230	98.181	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.96	101	329	43.949	ug/l #	60
10) Methyl Iodide	2.00	142	278	18.521	ug/l #	32
11) Tert butyl alcohol	2.70	59	458	1336.576	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	1220	179.475	ug/l #	12
13) Acrolein	1.96	56	652	4915.555	ug/l	87
14) Allyl chloride	2.23	41	743	140.892	ug/l #	38
15) Acrylonitrile	3.11	53	761	591.023	ug/l #	43
16) Acetone	2.39	43	300	231.723	ug/l #	52
17) Carbon Disulfide	1.92	76	547	27.532	ug/l #	1
18) Methyl Acetate	2.36	43	715	316.037	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	236	19.163	ug/l #	58
20) Methylene Chloride	2.35	84	73	8.799	ug/l #	12
21) trans-1,2-Dichloroethene	2.46	96	1134	166.382	ug/l #	17
22) Diisopropyl ether	2.97	45	672	44.852	ug/l #	61
23) Vinyl Acetate	3.39	43	690	67.270	ug/l #	73
24) 1,1-Dichloroethane	3.05	63	176	15.733	ug/l #	1
25) 2-Butanone	4.62	43	630	208.959	ug/l	98
26) 2,2-Dichloropropane	3.91	77	893	140.590	ug/l	97
27) cis-1,2-Dichloroethene	3.72	96	372	32.470	ug/l	32
28) Bromochloromethane	3.94	49	400	65.736	ug/l #	28
29) Tetrahydrofuran	4.30	42	1011	876.742	ug/l #	52
30) Chloroform	4.12	83	121	7.675	ug/l #	15
31) Cyclohexane	3.94	56	359	23.704	ug/l #	13
32) 1,1,1-Trichloroethane	4.31	97	138	15.033	ug/l #	58
36) 1,1-Dichloropropene	4.42	75	449	659.094	ug/l	88
37) Ethyl Acetate	4.44	43	1015	3897.655	ug/l #	44
38) Carbon Tetrachloride	4.30	117	124	269.327	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.79	83	552	651.047	ug/l #	1
40) Benzene	4.98	78	607	306.156	ug/l	98
41) Methacrylonitrile	5.09	41	1246	8606.811	ug/l #	40
42) 1,2-Dichloroethane	5.31	62	234	620.550	ug/l	69
43) Isopropyl Acetate	7.29	43	624	1813.911	ug/l #	76
44) Trichloroethene	5.83	130	117	209.097	ug/l	3
45) 1,2-Dichloropropane	6.59	63	143	287.415	ug/l #	44
46) Dibromomethane	6.43	93	79	271.960	ug/l #	61
47) Bromodichloromethane	6.71	83	69	116.635	ug/l #	23
48) Methyl methacrylate	7.02	41	741	4179.600	ug/l #	33
49) 1,4-Dioxane	7.30	88	252	107836.214	ug/l	86
51) 4-Methyl-2-Pentanone	8.69	43	629	2561.062	ug/l	87
52) Toluene	7.97	92	67	62.741	ug/l #	1
53) t-1,3-Dichloropropene	8.60	75	368	750.683	ug/l #	1
54) cis-1,3-Dichloropropene	7.65	75	733	1032.973	ug/l #	1
55) 1,1,2-Trichloroethane	8.82	97	606	1899.524	ug/l #	28
56) Ethyl methacrylate	8.94	69	647	1890.116	ug/l #	1
57) 1,3-Dichloropropane	9.17	76	272	522.097	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.63	63	549	4589.057	ug/l #	51
59) 2-Hexanone	9.68	43	1222	6980.596	ug/l	80
60) Dibromochloromethane	9.10	129	81	205.077	ug/l #	12
61) 1,2-Dibromoethane	9.32	107	238	718.321	ug/l #	1
64) Tetrachloroethene	8.31	164	64	38.558	ug/l #	5
65) Chlorobenzene	9.92	112	69	16.542	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.07	131	287	172.761	ug/l #	6
67) Ethyl Benzene	9.90	91	496	69.292	ug/l	94
68) m/p-Xylenes	10.30	106	183	66.809	ug/l #	1
69) o-Xylene	10.79	106	73	26.322	ug/l	72
70) Styrene	10.92	104	692	169.290	ug/l #	59
71) Bromoform	10.89	173	166	208.299	ug/l #	28
73) Isopropylbenzene	11.27	105	420	18.464	ug/l #	1
74) N-amyl acetate	11.43	43	1376	214.629	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.78	83	263	54.141	ug/l #	25
76) 1,2,3-Trichloropropane	11.97	75	401	124.537	ug/l	75
77) Bromobenzene	11.58	156	189	33.069	ug/l	66
78) n-propylbenzene	11.61	91	493	17.950	ug/l	97
79) 2-Chlorotoluene	11.76	91	341	21.698	ug/l	83
80) 1,3,5-Trimethylbenzene	11.95	105	690	37.092	ug/l	80
81) trans-1,4-Dichloro-2-buten	11.97	75	401	294.156	ug/l #	85
82) 4-Chlorotoluene	11.89	91	489	31.662	ug/l	86
83) tert-Butylbenzene	12.19	119	237	12.858	ug/l #	71
84) 1,2,4-Trimethylbenzene	12.13	105	195	11.056	ug/l	80
85) sec-Butylbenzene	12.39	105	106	4.364	ug/l #	55
86) p-Isopropyltoluene	12.56	119	247	12.218	ug/l #	12
87) 1,3-Dichlorobenzene	12.54	146	159	15.774	ug/l #	27
88) 1,4-Dichlorobenzene	12.68	146	262	27.852	ug/l #	23
89) n-Butylbenzene	13.02	91	273	13.424	ug/l	89
90) Hexachloroethane	13.03	117	681	138.113	ug/l #	10
91) 1,2-Dichlorobenzene	13.03	146	103	11.626	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	13.71	75	176	332.561	ug/l #	35

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	231	37.974	ug/l #	10
94) Hexachlorobutadiene	14.24	225	63	14.970	ug/l #	19
95) Naphthalene	14.50	128	607	60.908	ug/l #	12
96) 1,2,3-Trichlorobenzene	14.66	180	84	15.128	ug/l #	60

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

