

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031819\
 Data File : VF062008.D
 Acq On : 18 Mar 2019 20:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 02:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	262388	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	399477	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	355611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	178231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	98654	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	4.09	113	138361	51.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	7.53	98	388498	49.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.40	95	157340	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	122584	43.825	ug/l	98
3) Chloromethane	1.10	50	120092	42.248	ug/l #	87
4) Vinyl Chloride	1.14	62	125311	45.581	ug/l	97
5) Bromomethane	1.33	94	93767	48.552	ug/l	100
6) Chloroethane	1.38	64	61669	43.453	ug/l	97
7) Trichlorofluoromethane	1.47	101	164144m	45.068	ug/l	
8) Diethyl Ether	1.62	74	35743	44.145	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.84	101	111920	43.615	ug/l	95
10) Methyl Iodide	1.90	142	208599m	46.445	ug/l	
11) Tert butyl alcohol	2.55	59	25259	218.550	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	105118	47.467	ug/l	90
13) Acrolein	1.99	56	32769	262.641	ug/l	88
14) Allyl chloride	2.09	41	111745	39.530	ug/l	94
15) Acrylonitrile	2.93	53	80587	229.292	ug/l	91
16) Acetone	2.23	43	80341	189.425	ug/l	98
17) Carbon Disulfide	1.82	76	283680m	44.293	ug/l	
18) Methyl Acetate	2.42	43	39660	45.707	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	167238	41.676	ug/l	98
20) Methylene Chloride	2.17	84	97248m	44.536	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	100398	43.443	ug/l	96
22) Diisopropyl ether	2.79	45	308982	45.441	ug/l	96
23) Vinyl Acetate	3.18	43	648868	242.073	ug/l	99
24) 1,1-Dichloroethane	2.86	63	173603	43.909	ug/l	97
25) 2-Butanone	4.32	43	179218	213.360	ug/l	91
26) 2,2-Dichloropropane	3.58	77	74543	39.972	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	138277	47.471	ug/l	96
28) Bromochloromethane	3.71	49	80960	49.350	ug/l	83
29) Tetrahydrofuran	4.05	42	77726	212.772	ug/l	99
30) Chloroform	3.85	83	202954	45.306	ug/l	98
31) Cyclohexane	3.68	56	174265m	44.988	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	118897	39.966	ug/l	96
36) 1,1-Dichloropropene	4.26	75	166895	46.264	ug/l	95
37) Ethyl Acetate	4.09	43	70698	43.646	ug/l	96
38) Carbon Tetrachloride	3.97	117	119902	45.478	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	188362	44.477	ug/l	93
40) Benzene	4.62	78	434376	45.442	ug/l	99
41) Methacrylonitrile	4.73	41	37786	43.662	ug/l	94
42) 1,2-Dichloroethane	4.92	62	109412	45.980	ug/l	98
43) Isopropyl Acetate	6.94	43	80285	41.892	ug/l #	99
44) Trichloroethene	5.48	130	134994	46.101	ug/l	98
45) 1,2-Dichloropropane	6.21	63	101810	45.005	ug/l	94
46) Dibromomethane	6.07	93	66309	49.273	ug/l	98
47) Bromodichloromethane	6.37	83	148015	46.653	ug/l #	96
48) Methyl methacrylate	6.70	41	53785	43.424	ug/l #	88
49) 1,4-Dioxane	6.69	88	10851	984.898	ug/l #	73
51) 4-Methyl-2-Pentanone	8.24	43	305737	224.656	ug/l	97
52) Toluene	7.60	92	251994	43.146	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	121382	45.317	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	161268	46.143	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	78659	48.255	ug/l	95
56) Ethyl methacrylate	8.60	69	89399	48.245	ug/l	100
57) 1,3-Dichloropropane	8.84	76	125504	46.155	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	74468	221.874	ug/l	96
59) 2-Hexanone	9.48	43	207448	210.629	ug/l	98
60) Dibromochloromethane	8.70	129	107260	47.398	ug/l	94
61) 1,2-Dibromoethane	8.96	107	82267	47.050	ug/l	94
64) Tetrachloroethene	8.14	164	120500	46.617	ug/l	96
65) Chlorobenzene	9.78	112	301394	45.522	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	121089	47.183	ug/l	98
67) Ethyl Benzene	9.88	91	472777	41.705	ug/l	98
68) m/p-Xylenes	10.12	106	353406	82.887	ug/l	98
69) o-Xylene	10.70	106	198621	43.536	ug/l	98
70) Styrene	10.77	104	253665	40.133	ug/l	99
71) Bromoform	10.76	173	58664	45.192	ug/l	94
73) Isopropylbenzene	11.11	105	556798	45.219	ug/l	100
74) N-amyl acetate	11.36	43	140160	49.677	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	96307	47.385	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	67186	47.274	ug/l	100
77) Bromobenzene	11.48	156	130886	45.900	ug/l	84
78) n-propylbenzene	11.58	91	650055	45.913	ug/l	98
79) 2-Chlorotoluene	11.71	91	362700	45.384	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	443539	44.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	29025m	46.165	ug/l	
82) 4-Chlorotoluene	11.88	91	377827	46.751	ug/l	95
83) tert-Butylbenzene	12.12	119	506688	48.710	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	458447	46.016	ug/l	93
85) sec-Butylbenzene	12.30	105	661547	47.071	ug/l	98
86) p-Isopropyltoluene	12.45	119	539521	46.005	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	252173	44.996	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	249980	46.342	ug/l	96
89) n-Butylbenzene	12.83	91	509409	46.227	ug/l	98
90) Hexachloroethane	12.91	117	133969	50.057	ug/l	83
91) 1,2-Dichlorobenzene	12.93	146	247578	47.696	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	15499	47.521	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	165339	45.741	ug/l	95
94) Hexachlorobutadiene	14.18	225	113345	47.234	ug/l	99
95) Naphthalene	14.45	128	318623	49.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	158656	47.709	ug/l	98

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

