

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061584.D
 Acq On : 11 Feb 2019 14:20
 Operator : VA/AP
 Sample : VF0211SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBSD01

Quant Time: Feb 12 04:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	171979	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	283818	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	255592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	129783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	105745	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	4.10	113	119238	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	7.54	98	287362	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	11.40	95	136831	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	59334	17.559	ug/l	95
3) Chloromethane	1.09	50	44102	17.799	ug/l #	86
4) Vinyl Chloride	1.14	62	41614	18.881	ug/l	95
5) Bromomethane	1.31	94	28929	20.128	ug/l	99
6) Chloroethane	1.40	64	19096	19.553	ug/l	96
7) Trichlorofluoromethane	1.46	101	82519m	19.259	ug/l	
8) Diethyl Ether	1.62	74	11498	20.943	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42764	20.771	ug/l	92
10) Methyl Iodide	1.91	142	64867m	20.323	ug/l	
11) Tert butyl alcohol	2.55	59	9134	101.630	ug/l	94
12) 1,1-Dichloroethene	1.79	96	31706	20.729	ug/l	89
13) Acrolein	2.00	56	4534m	66.484	ug/l	
14) Allyl chloride	2.09	41	49382	28.749	ug/l	87
15) Acrylonitrile	2.92	53	23187	100.718	ug/l	96
16) Acetone	2.22	43	51612	121.167	ug/l #	92
17) Carbon Disulfide	1.82	76	90072m	18.886	ug/l	
18) Methyl Acetate	2.33	43	19441	23.014	ug/l #	90
19) Methyl tert-butyl Ether	2.41	73	68798	20.064	ug/l	97
20) Methylene Chloride	2.17	84	33950m	22.514	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	34206	20.326	ug/l	89
22) Diisopropyl ether	2.79	45	113052	20.769	ug/l	96
23) Vinyl Acetate	3.17	43	258722	109.875	ug/l	96
24) 1,1-Dichloroethane	2.86	63	67708	19.819	ug/l	98
25) 2-Butanone	4.32	43	76887	108.543	ug/l	98
26) 2,2-Dichloropropane	3.58	77	41924	19.974	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	50738	20.424	ug/l	100
28) Bromochloromethane	3.70	49	31925	20.789	ug/l #	92
29) Tetrahydrofuran	4.05	42	30569	100.222	ug/l	95
30) Chloroform	3.84	83	100150	21.722	ug/l	99
31) Cyclohexane	3.67	56	64382m	18.866	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	60307	17.839	ug/l	93
36) 1,1-Dichloropropene	4.27	75	67913	20.638	ug/l	94
37) Ethyl Acetate	4.09	43	29533	22.452	ug/l	95
38) Carbon Tetrachloride	3.97	117	55898	19.430	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	74434	20.872	ug/l	95
40) Benzene	4.61	78	153433	20.954	ug/l	99
41) Methacrylonitrile	4.73	41	13940	19.916	ug/l	94
42) 1,2-Dichloroethane	4.93	62	57279	21.952	ug/l	95
43) Isopropyl Acetate	6.94	43	34061	20.631	ug/l #	100
44) Trichloroethene	5.49	130	50086	22.297	ug/l	95
45) 1,2-Dichloropropane	6.22	63	40545	21.097	ug/l	95
46) Dibromomethane	6.06	93	26258	20.548	ug/l #	86
47) Bromodichloromethane	6.37	83	67926	21.484	ug/l	97
48) Methyl methacrylate	6.70	41	21750	19.619	ug/l	95
49) 1,4-Dioxane	6.69	88	3659	433.509	ug/l #	78
51) 4-Methyl-2-Pentanone	8.24	43	128612	105.967	ug/l	100
52) Toluene	7.61	92	94845	19.669	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	52808	21.034	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	67153	21.399	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	27636	20.182	ug/l	94
56) Ethyl methacrylate	8.61	69	32489	20.393	ug/l	98
57) 1,3-Dichloropropane	8.83	76	50607	19.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	24037	155.564	ug/l	97
59) 2-Hexanone	9.47	43	100771	119.068	ug/l	93
60) Dibromochloromethane	8.71	129	42428	21.194	ug/l	95
61) 1,2-Dibromoethane	8.97	107	29766	18.988	ug/l	93
64) Tetrachloroethene	8.13	164	39124	20.355	ug/l	92
65) Chlorobenzene	9.78	112	105087	20.218	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	46650	22.530	ug/l	98
67) Ethyl Benzene	9.89	91	195774	20.616	ug/l	99
68) m/p-Xylenes	10.12	106	139319	40.790	ug/l	93
69) o-Xylene	10.70	106	80501	21.746	ug/l	99
70) Styrene	10.78	104	108337	21.380	ug/l	99
71) Bromoform	10.76	173	20801	22.359	ug/l	96
73) Isopropylbenzene	11.11	105	245483	23.256	ug/l	100
74) N-amyl acetate	11.36	43	62273	24.949	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	39565	21.040	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	29382	21.745	ug/l	97
77) Bromobenzene	11.48	156	51737	23.209	ug/l	88
78) n-propylbenzene	11.59	91	277093	20.152	ug/l	97
79) 2-Chlorotoluene	11.70	91	160445	21.907	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	192001	22.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	11457m	19.506	ug/l	
82) 4-Chlorotoluene	11.89	91	159751	21.616	ug/l	98
83) tert-Butylbenzene	12.12	119	207878	23.578	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	197311	22.487	ug/l	91
85) sec-Butylbenzene	12.30	105	273077	22.807	ug/l	98
86) p-Isopropyltoluene	12.44	119	231738	23.577	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	99463	21.268	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	93027	22.084	ug/l	97
89) n-Butylbenzene	12.83	91	233054	22.991	ug/l	95
90) Hexachloroethane	12.91	117	53975	23.296	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	88470	21.215	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6751	20.241	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	64465	22.067	ug/l	98
94) Hexachlorobutadiene	14.18	225	39909	22.016	ug/l	95
95) Naphthalene	14.45	128	111845	20.151	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	61195	22.629	ug/l	97

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

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