

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061583.D
 Acq On : 11 Feb 2019 13:51
 Operator : VA/AP
 Sample : VF0211SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

Quant Time: Feb 12 04:23:52 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	173252	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	295846	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	265509	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	140220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	109224	51.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	4.09	113	123435	52.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	7.53	98	311562	48.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.40	95	145907	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	60410	17.746	ug/l	91
3) Chloromethane	1.09	50	47015	18.836	ug/l	97
4) Vinyl Chloride	1.13	62	44286	19.945	ug/l	90
5) Bromomethane	1.32	94	32494	22.442	ug/l	94
6) Chloroethane	1.39	64	20042	20.371	ug/l	93
7) Trichlorofluoromethane	1.47	101	84637m	19.608	ug/l	
8) Diethyl Ether	1.62	74	10653	19.261	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41142	19.836	ug/l	97
10) Methyl Iodide	1.90	142	62565m	19.458	ug/l	
11) Tert butyl alcohol	2.55	59	9114	100.662	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33048	21.447	ug/l	98
13) Acrolein	1.99	56	3833	57.454	ug/l	94
14) Allyl chloride	2.09	41	47767	27.126	ug/l	98
15) Acrylonitrile	2.93	53	23849	102.833	ug/l	89
16) Acetone	2.23	43	56104	130.744	ug/l #	91
17) Carbon Disulfide	1.82	76	91524m	19.049	ug/l	
18) Methyl Acetate	2.33	43	17490	20.552	ug/l	94
19) Methyl tert-butyl Ether	2.41	73	68918	19.952	ug/l	97
20) Methylene Chloride	2.17	84	35739m	23.608	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	33561	19.796	ug/l	92
22) Diisopropyl ether	2.79	45	116888	21.316	ug/l	97
23) Vinyl Acetate	3.17	43	267282	112.595	ug/l	99
24) 1,1-Dichloroethane	2.86	63	72772	21.145	ug/l	96
25) 2-Butanone	4.31	43	81577	114.318	ug/l	95
26) 2,2-Dichloropropane	3.58	77	42027	19.876	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	51460	20.563	ug/l	92
28) Bromochloromethane	3.70	49	31450	20.329	ug/l	86
29) Tetrahydrofuran	4.05	42	32367	105.338	ug/l	96
30) Chloroform	3.84	83	96952	20.874	ug/l	99
31) Cyclohexane	3.67	56	67653m	19.679	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	59996	17.617	ug/l	97
36) 1,1-Dichloropropene	4.26	75	67106	19.563	ug/l #	91
37) Ethyl Acetate	4.09	43	29232	21.319	ug/l #	84
38) Carbon Tetrachloride	3.97	117	59090	19.705	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	70598	18.991	ug/l	94
40) Benzene	4.61	78	152814	20.021	ug/l	96
41) Methacrylonitrile	4.72	41	16192	22.193	ug/l	94
42) 1,2-Dichloroethane	4.92	62	57288	21.063	ug/l	95
43) Isopropyl Acetate	6.94	43	32986	19.168	ug/l #	89
44) Trichloroethene	5.48	130	49294	21.053	ug/l	98
45) 1,2-Dichloropropane	6.21	63	39685	19.810	ug/l	97
46) Dibromomethane	6.06	93	25377	19.051	ug/l	96
47) Bromodichloromethane	6.37	83	70702	21.453	ug/l	94
48) Methyl methacrylate	6.69	41	22464	19.439	ug/l	98
49) 1,4-Dioxane	6.68	88	3382	375.951	ug/l	89
51) 4-Methyl-2-Pentanone	8.24	43	141272	111.666	ug/l	99
52) Toluene	7.60	92	103741	20.639	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	58665	22.417	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	73523	22.476	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	28691	20.101	ug/l	93
56) Ethyl methacrylate	8.61	69	34099	20.534	ug/l	96
57) 1,3-Dichloropropane	8.83	76	54400	20.333	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28247	171.873	ug/l	97
59) 2-Hexanone	9.48	43	109980	124.665	ug/l	92
60) Dibromochloromethane	8.70	129	41663	19.966	ug/l	98
61) 1,2-Dibromoethane	8.97	107	32359	19.803	ug/l	100
64) Tetrachloroethene	8.13	164	42165	21.118	ug/l	94
65) Chlorobenzene	9.78	112	107676	19.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	50012	23.252	ug/l	97
67) Ethyl Benzene	9.88	91	214502	21.744	ug/l	97
68) m/p-Xylenes	10.12	106	151228	42.623	ug/l	98
69) o-Xylene	10.70	106	80735	20.995	ug/l	100
70) Styrene	10.77	104	113839	21.627	ug/l	99
71) Bromoform	10.76	173	21659	22.412	ug/l #	93
73) Isopropylbenzene	11.11	105	250661	21.979	ug/l	99
74) N-amyl acetate	11.36	43	60671	22.498	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	42027	20.686	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	31344	21.471	ug/l	99
77) Bromobenzene	11.48	156	52019	21.598	ug/l	89
78) n-propylbenzene	11.58	91	299664	20.172	ug/l	96
79) 2-Chlorotoluene	11.70	91	169241	21.388	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	207791	22.577	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	13310m	20.974	ug/l	
82) 4-Chlorotoluene	11.88	91	167595	20.989	ug/l	94
83) tert-Butylbenzene	12.12	119	217968	22.882	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	207596	21.898	ug/l	94
85) sec-Butylbenzene	12.30	105	282702	21.853	ug/l	98
86) p-Isopropyltoluene	12.44	119	237947	22.407	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	102022	20.164	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	98314	21.602	ug/l	96
89) n-Butylbenzene	12.83	91	243767	22.258	ug/l	96
90) Hexachloroethane	12.91	117	57852	23.111	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	94426	20.958	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6856	19.026	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	69764	22.104	ug/l	95
94) Hexachlorobutadiene	14.18	225	42513	21.707	ug/l	96
95) Naphthalene	14.45	128	119109	19.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	59615	20.404	ug/l	97

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

