

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061928.D
 Acq On : 13 Mar 2019 15:29
 Operator : VA/AP
 Sample : VF0313SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

Quant Time: Mar 14 01:32:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	297240	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	478357	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	389998	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	211734	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	122193	56.45	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.90%	
35) Dibromofluoromethane	4.09	113	174513	52.28	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	7.54	98	502327	50.63	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.40	95	200365	51.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	88529	24.260	ug/l	94
3) Chloromethane	1.10	50	88713	25.084	ug/l	95
4) Vinyl Chloride	1.14	62	82781	24.657	ug/l	99
5) Bromomethane	1.31	94	54320	23.741	ug/l	94
6) Chloroethane	1.38	64	39978	25.051	ug/l	96
7) Trichlorofluoromethane	1.48	101	102537	25.007	ug/l	96
8) Diethyl Ether	1.63	74	22213	23.822	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70731	25.402	ug/l	97
10) Methyl Iodide	1.90	142	130966m	24.716	ug/l	
11) Tert butyl alcohol	2.57	59	15053	122.519	ug/l	94
12) 1,1-Dichloroethene	1.79	96	64296	25.292	ug/l	95
13) Acrolein	1.99	56	16457	105.710	ug/l	93
14) Allyl chloride	2.08	41	81613	29.141	ug/l	95
15) Acrylonitrile	2.93	53	49588	126.750	ug/l	95
16) Acetone	2.22	43	57145	126.029	ug/l	92
17) Carbon Disulfide	1.81	76	192934m	24.382	ug/l	
18) Methyl Acetate	2.33	43	24419	27.546	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	100550	23.382	ug/l	98
20) Methylene Chloride	2.17	84	62872m	22.015	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	65276	27.283	ug/l	88
22) Diisopropyl ether	2.79	45	191156	26.240	ug/l	97
23) Vinyl Acetate	3.18	43	369968	113.680	ug/l	99
24) 1,1-Dichloroethane	2.86	63	111385	25.580	ug/l	97
25) 2-Butanone	4.32	43	115646	125.387	ug/l	99
26) 2,2-Dichloropropane	3.58	77	52092	26.799	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	81692	24.645	ug/l	95
28) Bromochloromethane	3.70	49	46264	24.374	ug/l #	96
29) Tetrahydrofuran	4.05	42	44143	110.977	ug/l	99
30) Chloroform	3.84	83	118510	23.828	ug/l	92
31) Cyclohexane	3.68	56	116456	25.534	ug/l	88
32) 1,1,1-Trichloroethane	4.07	97	83037	27.086	ug/l	95
36) 1,1-Dichloropropene	4.26	75	99393	21.996	ug/l	93
37) Ethyl Acetate	4.08	43	41025	21.631	ug/l #	83
38) Carbon Tetrachloride	3.98	117	73999	23.134	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	125434	23.502	ug/l	98
40) Benzene	4.62	78	265182	22.452	ug/l	99
41) Methacrylonitrile	4.73	41	22370	21.528	ug/l #	92
42) 1,2-Dichloroethane	4.92	62	61364	20.848	ug/l	96
43) Isopropyl Acetate	6.94	43	47413	20.280	ug/l	99
44) Trichloroethene	5.48	130	83486	22.745	ug/l	96
45) 1,2-Dichloropropane	6.22	63	62142	22.126	ug/l	90
46) Dibromomethane	6.07	93	37359	21.135	ug/l	96
47) Bromodichloromethane	6.37	83	86399	22.125	ug/l	98
48) Methyl methacrylate	6.70	41	29796	20.138	ug/l	94
49) 1,4-Dioxane	6.70	88	5052	373.512	ug/l #	68
51) 4-Methyl-2-Pentanone	8.25	43	178102	110.225	ug/l	96
52) Toluene	7.60	92	145887	20.879	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	71367	22.140	ug/l	90
54) cis-1,3-Dichloropropene	7.29	75	93160	20.953	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	42517	21.119	ug/l	97
56) Ethyl methacrylate	8.60	69	48002	21.157	ug/l	95
57) 1,3-Dichloropropane	8.84	76	69244	21.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	42297	117.848	ug/l	96
59) 2-Hexanone	9.48	43	127319	109.224	ug/l	98
60) Dibromochloromethane	8.70	129	58256	20.303	ug/l	99
61) 1,2-Dibromoethane	8.97	107	46105	20.826	ug/l	97
64) Tetrachloroethene	8.14	164	71060	23.713	ug/l	94
65) Chlorobenzene	9.78	112	173012	23.091	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	66621	22.949	ug/l	98
67) Ethyl Benzene	9.88	91	302081	24.324	ug/l	97
68) m/p-Xylenes	10.12	106	221013	46.456	ug/l	99
69) o-Xylene	10.70	106	121467	23.710	ug/l	95
70) Styrene	10.77	104	162830	22.585	ug/l	98
71) Bromoform	10.76	173	32293	21.048	ug/l	96
73) Isopropylbenzene	11.12	105	339725	23.306	ug/l	99
74) N-amyl acetate	11.36	43	79892	23.807	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	54582	22.529	ug/l	89
76) 1,2,3-Trichloropropane	11.79	75	37284	22.548	ug/l	96
77) Bromobenzene	11.48	156	78346	22.333	ug/l	96
78) n-propylbenzene	11.58	91	398997	24.238	ug/l	100
79) 2-Chlorotoluene	11.71	91	216497	23.004	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	275285	23.522	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	16311m	21.573	ug/l	
82) 4-Chlorotoluene	11.88	91	225093	23.383	ug/l	99
83) tert-Butylbenzene	12.12	119	301437	24.256	ug/l	90
84) 1,2,4-Trimethylbenzene	12.19	105	267913	23.352	ug/l	96
85) sec-Butylbenzene	12.30	105	393247	24.317	ug/l	97
86) p-Isopropyltoluene	12.45	119	332587	24.195	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	159820	23.992	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	147372	22.935	ug/l	99
89) n-Butylbenzene	12.83	91	322553	24.553	ug/l	96
90) Hexachloroethane	12.91	117	72515	21.916	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	142496	22.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8440	22.318	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	103358	23.360	ug/l	97
94) Hexachlorobutadiene	14.18	225	65623	21.424	ug/l	93
95) Naphthalene	14.45	128	165370	20.985	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	89519	21.913	ug/l	94

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

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