

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061939.D
 Acq On : 14 Mar 2019 15:28
 Operator : VA/AP
 Sample : VF0314SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBS01

Quant Time: Mar 15 01:40:59 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	4.86	168	298844	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	468987	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	384948	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	207315	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	116426	53.50	ug/l	-0.02
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	4.10	113	168482	51.48	ug/l	-0.02
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	7.54	98	489241	50.29	ug/l	-0.02
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.40	95	187478	49.20	ug/l	-0.02
Spiked Amount			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	85104	23.196	ug/l	93
3) Chloromethane	1.09	50	88041	24.760	ug/l	94
4) Vinyl Chloride	1.14	62	83754	24.813	ug/l	92
5) Bromomethane	1.32	94	57371	24.940	ug/l	97
6) Chloroethane	1.39	64	42097	26.237	ug/l	100
7) Trichlorofluoromethane	1.48	101	98558	23.907	ug/l	100
8) Diethyl Ether	1.63	74	21633	23.076	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	65834	23.516	ug/l	94
10) Methyl Iodide	1.90	142	127201m	23.876	ug/l	
11) Tert butyl alcohol	2.56	59	15811	127.998	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	62317	24.382	ug/l	92
13) Acrolein	1.99	56	13191	84.276	ug/l	95
14) Allyl chloride	2.09	41	74623	26.503	ug/l	93
15) Acrylonitrile	2.94	53	48726	123.878	ug/l	97
16) Acetone	2.23	43	61177	134.197	ug/l	94
17) Carbon Disulfide	1.80	76	187689m	23.592	ug/l	
18) Methyl Acetate	2.35	43	26481m	30.095	ug/l	
19) Methyl tert-butyl Ether	2.43	73	105416	24.382	ug/l	97
20) Methylene Chloride	2.18	84	72718m	26.211	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	64532	26.827	ug/l	90
22) Diisopropyl ether	2.79	45	177667	24.257	ug/l	97
23) Vinyl Acetate	3.19	43	408182	124.749	ug/l	100
24) 1,1-Dichloroethane	2.86	63	108535	24.792	ug/l	99
25) 2-Butanone	4.33	43	116013	125.109	ug/l	100
26) 2,2-Dichloropropane	3.59	77	49804	25.484	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	78204	23.466	ug/l	97
28) Bromochloromethane	3.72	49	43340	22.711	ug/l #	97
29) Tetrahydrofuran	4.07	42	43361	108.426	ug/l	99
30) Chloroform	3.85	83	123567	24.711	ug/l	92
31) Cyclohexane	3.69	56	112310m	24.493	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	64259	20.848	ug/l	96
36) 1,1-Dichloropropene	4.27	75	96616	21.809	ug/l	94
37) Ethyl Acetate	4.10	43	40401	21.727	ug/l	99
38) Carbon Tetrachloride	3.98	117	69191	22.063	ug/l	92

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39) Methylcyclohexane	5.44	83	115290	22.033	ug/l	99
40) Benzene	4.62	78	254859	22.009	ug/l	100
41) Methacrylonitrile	4.73	41	22337	21.925	ug/l #	86
42) 1,2-Dichloroethane	4.93	62	59605	20.655	ug/l	95
43) Isopropyl Acetate	6.95	43	46598	20.330	ug/l	93
44) Trichloroethene	5.49	130	79521	22.098	ug/l	96
45) 1,2-Dichloropropane	6.22	63	59831	21.728	ug/l	94
46) Dibromomethane	6.07	93	36344	20.972	ug/l	94
47) Bromodichloromethane	6.37	83	83473	21.802	ug/l #	92
48) Methyl methacrylate	6.71	41	28544	19.677	ug/l	96
49) 1,4-Dioxane	6.71	88	5252	396.056	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	176501	111.417	ug/l	95
52) Toluene	7.61	92	143298	20.918	ug/l	91
53) t-1,3-Dichloropropene	8.27	75	64058	20.269	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	93025	21.340	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	42240	21.401	ug/l	97
56) Ethyl methacrylate	8.61	69	47142	21.193	ug/l	95
57) 1,3-Dichloropropane	8.85	76	72109	22.340	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	36336	103.262	ug/l	93
59) 2-Hexanone	9.49	43	130459	114.154	ug/l	99
60) Dibromochloromethane	8.71	129	58133	20.665	ug/l	100
61) 1,2-Dibromoethane	8.97	107	44500	20.502	ug/l	100
64) Tetrachloroethene	8.15	164	64608	21.842	ug/l	98
65) Chlorobenzene	9.79	112	165395	22.364	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	68506	23.908	ug/l	93
67) Ethyl Benzene	9.89	91	289842	23.645	ug/l	97
68) m/p-Xylenes	10.13	106	210104	44.742	ug/l	99
69) o-Xylene	10.71	106	114544	22.652	ug/l	96
70) Styrene	10.78	104	158631	22.291	ug/l	96
71) Bromoform	10.77	173	31447	20.765	ug/l	97
73) Isopropylbenzene	11.11	105	340493	23.857	ug/l	97
74) N-amyl acetate	11.37	43	77680	23.641	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	53321	22.478	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	35683	22.040	ug/l	99
77) Bromobenzene	11.49	156	75943	22.109	ug/l	93
78) n-propylbenzene	11.59	91	375751	23.313	ug/l	100
79) 2-Chlorotoluene	11.71	91	215388	23.374	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	277339	24.203	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	17450m	23.571	ug/l	
82) 4-Chlorotoluene	11.89	91	218896	23.224	ug/l	97
83) tert-Butylbenzene	12.13	119	292807	24.064	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	266401	23.715	ug/l	95
85) sec-Butylbenzene	12.30	105	364990	23.051	ug/l	99
86) p-Isopropyltoluene	12.45	119	308957	22.955	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	149567	22.932	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	144291	22.934	ug/l	98
89) n-Butylbenzene	12.84	91	302913	23.549	ug/l	96
90) Hexachloroethane	12.91	117	75415	23.278	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	137926	22.320	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8004	21.734	ug/l	94

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93) 1,2,4-Trichlorobenzene	14.19	180	96818	22.348	ug/l	92
94) Hexachlorobutadiene	14.18	225	63653	21.224	ug/l	99
95) Naphthalene	14.45	128	174249	22.583	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	88785	22.196	ug/l	94

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

