

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061764.D
 Acq On : 27 Feb 2019 14:11
 Operator : VA/AP
 Sample : VF0227SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

Quant Time: Feb 28 00:46:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	298135	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	449588	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	390486	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	222414	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	124876	57.12	ug/l	-0.03
Spiked Amount 50.000			Recovery =	114.24%		
35) Dibromofluoromethane	4.09	113	172890	51.78	ug/l	-0.03
Spiked Amount 50.000			Recovery =	103.56%		
50) Toluene-d8	7.53	98	489832	51.04	ug/l	-0.03
Spiked Amount 50.000			Recovery =	102.08%		
62) 4-Bromofluorobenzene	11.40	95	189258	48.73	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.46%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	87731	25.624	ug/l	98
3) Chloromethane	1.08	50	84460	23.512	ug/l	100
4) Vinyl Chloride	1.13	62	80887	24.221	ug/l	97
5) Bromomethane	1.32	94	52457	22.824	ug/l	95
6) Chloroethane	1.41	64	35517	21.581	ug/l #	85
7) Trichlorofluoromethane	1.47	101	102747m	25.509	ug/l	
8) Diethyl Ether	1.62	74	20236	19.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	69598	23.952	ug/l	94
10) Methyl Iodide	1.91	142	125920m	22.686	ug/l	
11) Tert butyl alcohol	2.56	59	15252	120.543	ug/l	93
12) 1,1-Dichloroethene	1.79	96	61359m	24.018	ug/l	
13) Acrolein	1.99	56	15050	94.641	ug/l	93
14) Allyl chloride	2.08	41	60208	19.206	ug/l	98
15) Acrylonitrile	2.93	53	42465	94.620	ug/l	88
16) Acetone	2.23	43	60314	128.581	ug/l	98
17) Carbon Disulfide	1.81	76	180486m	22.476	ug/l	
18) Methyl Acetate	2.33	43	23209	21.963	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	92411	21.165	ug/l	95
20) Methylene Chloride	2.26	84	62304m	23.449	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	56968m	20.513	ug/l	
22) Diisopropyl ether	2.79	45	170949	22.717	ug/l	97
23) Vinyl Acetate	3.17	43	396311	107.825	ug/l	99
24) 1,1-Dichloroethane	2.86	63	98401	21.608	ug/l	98
25) 2-Butanone	4.32	43	103920	101.424	ug/l	100
26) 2,2-Dichloropropane	3.57	77	44170	22.898	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	75917	20.826	ug/l	98
28) Bromochloromethane	3.70	49	43999	20.136	ug/l	94
29) Tetrahydrofuran	4.06	42	45460	97.618	ug/l	99
30) Chloroform	3.84	83	120472	23.262	ug/l	93
31) Cyclohexane	3.67	56	105287m	21.357	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	62765	18.501	ug/l	97
36) 1,1-Dichloropropene	4.26	75	91369	20.515	ug/l	96
37) Ethyl Acetate	4.09	43	41220	19.926	ug/l	97
38) Carbon Tetrachloride	3.97	117	64668	21.028	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	98291	18.661	ug/l	95
40) Benzene	4.61	78	245025	21.033	ug/l	100
41) Methacrylonitrile	4.73	41	21975	20.772	ug/l	95
42) 1,2-Dichloroethane	4.92	62	59264	21.268	ug/l	95
43) Isopropyl Acetate	6.94	43	49460	20.199	ug/l #	98
44) Trichloroethene	5.48	130	76821	20.392	ug/l	96
45) 1,2-Dichloropropane	6.22	63	56725	20.145	ug/l	98
46) Dibromomethane	6.06	93	35086	20.237	ug/l	86
47) Bromodichloromethane	6.37	83	81532	21.474	ug/l	99
48) Methyl methacrylate	6.70	41	28184	19.126	ug/l	96
49) 1,4-Dioxane	6.69	88	5725	413.292	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	173652	99.251	ug/l	98
52) Toluene	7.61	92	140253	19.851	ug/l	91
53) t-1,3-Dichloropropene	8.26	75	66111	20.922	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	95859	22.775	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	41639	20.059	ug/l	93
56) Ethyl methacrylate	8.61	69	46140	19.964	ug/l	98
57) 1,3-Dichloropropane	8.83	76	73582	21.237	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	39506	99.074	ug/l	93
59) 2-Hexanone	9.47	43	133552	108.894	ug/l	95
60) Dibromochloromethane	8.69	129	57306	19.834	ug/l	94
61) 1,2-Dibromoethane	8.97	107	46379	20.599	ug/l	93
64) Tetrachloroethene	8.13	164	69550	21.790	ug/l	97
65) Chlorobenzene	9.78	112	164259	20.730	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	68784	22.153	ug/l	98
67) Ethyl Benzene	9.88	91	280427	21.281	ug/l	98
68) m/p-Xylenes	10.11	106	205094	40.668	ug/l	99
69) o-Xylene	10.70	106	117962	21.921	ug/l	100
70) Styrene	10.78	104	162071	21.289	ug/l	96
71) Bromoform	10.76	173	34430	20.420	ug/l	98
73) Isopropylbenzene	11.11	105	343257	21.676	ug/l	98
74) N-amyl acetate	11.36	43	79642	20.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	55627	19.608	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	37015	19.190	ug/l	97
77) Bromobenzene	11.49	156	77255	19.748	ug/l	95
78) n-propylbenzene	11.58	91	379778	20.899	ug/l	99
79) 2-Chlorotoluene	11.70	91	216830	21.306	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	269036	21.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	15249m	16.491	ug/l	
82) 4-Chlorotoluene	11.89	91	214691	20.324	ug/l	99
83) tert-Butylbenzene	12.12	119	298424	21.288	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	264492	21.035	ug/l	98
85) sec-Butylbenzene	12.29	105	373688	20.614	ug/l	98
86) p-Isopropyltoluene	12.45	119	332140	21.832	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	157769	20.687	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	152376	20.775	ug/l	99
89) n-Butylbenzene	12.84	91	308147	21.450	ug/l	96
90) Hexachloroethane	12.91	117	73429	20.753	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	148707	20.500	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9054	20.129	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	107429	20.661	ug/l	99
94) Hexachlorobutadiene	14.18	225	70138	21.841	ug/l	97
95) Naphthalene	14.44	128	180010	19.787	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	101317	21.230	ug/l	96

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

