

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061605.D
 Acq On : 12 Feb 2019 13:27
 Operator : VA/AP
 Sample : VF0212SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0212SBS01

Quant Time: Feb 13 03:00:28 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	186448	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	302740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	285948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	153504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	111177	48.30	ug/l	-0.01
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	4.09	113	119980	50.22	ug/l	-0.01
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	7.53	98	304427	46.51	ug/l	-0.01
Spiked Amount			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.40	95	146022	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	59008	16.107	ug/l	94
3) Chloromethane	1.10	50	42473	15.812	ug/l	91
4) Vinyl Chloride	1.14	62	39595	16.571	ug/l	96
5) Bromomethane	1.31	94	29780	19.112	ug/l	89
6) Chloroethane	1.39	64	20355	19.225	ug/l	94
7) Trichlorofluoromethane	1.49	101	78995	17.006	ug/l	86
8) Diethyl Ether	1.62	74	10701	17.978	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	1.83	101	40351	18.078	ug/l	96
10) Methyl Iodide	1.90	142	64865m	18.746	ug/l	
11) Tert butyl alcohol	2.57	59	9504	97.540	ug/l	94
12) 1,1-Dichloroethene	1.78	96	31321	18.888	ug/l	95
13) Acrolein	1.99	56	4682	63.817	ug/l	95
14) Allyl chloride	2.09	41	49316	25.481	ug/l	94
15) Acrylonitrile	2.93	53	23863	95.611	ug/l	98
16) Acetone	2.23	43	61416	132.994	ug/l	96
17) Carbon Disulfide	1.81	76	88271	17.072	ug/l	97
18) Methyl Acetate	2.33	43	19561	21.359	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	72087	19.392	ug/l	93
20) Methylene Chloride	2.17	84	36998m	22.640	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36033	19.750	ug/l	98
22) Diisopropyl ether	2.79	45	115168	19.516	ug/l	99
23) Vinyl Acetate	3.17	43	261886	102.800	ug/l	99
24) 1,1-Dichloroethane	2.86	63	69690	18.816	ug/l	96
25) 2-Butanone	4.32	43	83728	109.028	ug/l	93
26) 2,2-Dichloropropane	3.58	77	41020	18.026	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	47849	17.767	ug/l	89
28) Bromochloromethane	3.71	49	34796	20.900	ug/l #	95
29) Tetrahydrofuran	4.06	42	30309	91.659	ug/l	94
30) Chloroform	3.84	83	101907	20.388	ug/l	96
31) Cyclohexane	3.68	56	62881m	16.996	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	57309	15.637	ug/l	94
36) 1,1-Dichloropropene	4.26	75	70577	20.107	ug/l	94
37) Ethyl Acetate	4.10	43	30118	21.465	ug/l #	84
38) Carbon Tetrachloride	3.97	117	57392	18.703	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	61717	16.224	ug/l #	83
40) Benzene	4.61	78	150778	19.304	ug/l	97
41) Methacrylonitrile	4.73	41	14325	19.187	ug/l	97
42) 1,2-Dichloroethane	4.92	62	54637	19.631	ug/l	94
43) Isopropyl Acetate	6.94	43	34093	19.360	ug/l #	93
44) Trichloroethene	5.49	130	50046	20.887	ug/l	89
45) 1,2-Dichloropropane	6.22	63	41532	20.260	ug/l	96
46) Dibromomethane	6.06	93	26528	19.462	ug/l	91
47) Bromodichloromethane	6.37	83	69719	20.673	ug/l	99
48) Methyl methacrylate	6.69	41	20569	17.394	ug/l	93
49) 1,4-Dioxane	6.68	88	3269	350.981	ug/l #	71
51) 4-Methyl-2-Pentanone	8.24	43	139250	107.561	ug/l	96
52) Toluene	7.61	92	94587	18.389	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	56577	21.127	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	69364	20.722	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	31018	21.236	ug/l	96
56) Ethyl methacrylate	8.60	69	32774	19.286	ug/l	95
57) 1,3-Dichloropropane	8.83	76	53960	19.710	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	22970	142.232	ug/l #	89
59) 2-Hexanone	9.48	43	103620	114.781	ug/l	98
60) Dibromochloromethane	8.70	129	42147	19.738	ug/l	98
61) 1,2-Dibromoethane	8.97	107	32261	19.294	ug/l	92
64) Tetrachloroethene	8.13	164	40316	18.748	ug/l	90
65) Chlorobenzene	9.78	112	113653	19.545	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	46763	20.187	ug/l	98
67) Ethyl Benzene	9.88	91	202728	19.082	ug/l	99
68) m/p-Xylenes	10.12	106	145141	37.983	ug/l	95
69) o-Xylene	10.70	106	82644	19.955	ug/l	93
70) Styrene	10.78	104	109444	19.306	ug/l	99
71) Bromoform	10.76	173	22259	21.386	ug/l	95
73) Isopropylbenzene	11.11	105	245932	19.699	ug/l	98
74) N-amyl acetate	11.36	43	61503	20.833	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	43092	19.375	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	31554	19.744	ug/l	97
77) Bromobenzene	11.48	156	52430	19.885	ug/l	86
78) n-propylbenzene	11.59	91	293923	18.005	ug/l	98
79) 2-Chlorotoluene	11.71	91	167855	19.377	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	207292	20.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	14543m	20.933	ug/l	
82) 4-Chlorotoluene	11.88	91	173929	19.898	ug/l	96
83) tert-Butylbenzene	12.12	119	206690	19.820	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	198328	19.110	ug/l	96
85) sec-Butylbenzene	12.30	105	291363	20.574	ug/l	97
86) p-Isopropyltoluene	12.44	119	242497	20.859	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	106128	19.139	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	98438	19.757	ug/l	98
89) n-Butylbenzene	12.83	91	249330	20.796	ug/l	92
90) Hexachloroethane	12.91	117	56394	20.579	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	94741	19.208	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7418	18.804	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	68213	19.742	ug/l	98
94) Hexachlorobutadiene	14.18	225	40101	18.703	ug/l	98
95) Naphthalene	14.45	128	118775	18.093	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	59038	18.458	ug/l	98

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

