

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061606.D
 Acq On : 12 Feb 2019 13:56
 Operator : VA/AP
 Sample : VF0212SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0212SBSD01

Quant Time: Feb 13 03:02:05 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	4.86	168	172637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	298335	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	272924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	142773	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	103322	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	4.10	113	110140	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	7.54	98	296572	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	11.40	95	144213	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	58718	17.310	ug/l	86
3) Chloromethane	1.09	50	42569	17.115	ug/l	96
4) Vinyl Chloride	1.13	62	38167	17.251	ug/l	97
5) Bromomethane	1.33	94	29201	20.240	ug/l	93
6) Chloroethane	1.39	64	19936	20.335	ug/l	95
7) Trichlorofluoromethane	1.49	101	80666	18.754	ug/l	99
8) Diethyl Ether	1.62	74	9887	17.940	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.82	101	44204	21.389	ug/l	93
10) Methyl Iodide	1.89	142	60439m	18.864	ug/l	
11) Tert butyl alcohol	2.57	59	8706	96.498	ug/l #	87
12) 1,1-Dichloroethene	1.78	96	30633	19.951	ug/l	97
13) Acrolein	2.00	56	4269	63.001	ug/l	92
14) Allyl chloride	2.09	41	38637	18.955	ug/l	94
15) Acrylonitrile	2.94	53	22192	96.029	ug/l	96
16) Acetone	2.23	43	46294	108.268	ug/l #	89
17) Carbon Disulfide	1.82	76	82972	17.331	ug/l	99
18) Methyl Acetate	2.33	43	16176	19.076	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	65440	19.012	ug/l	98
20) Methylene Chloride	2.24	84	34263m	22.644	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	30869	18.273	ug/l	83
22) Diisopropyl ether	2.79	45	106980	19.579	ug/l	96
23) Vinyl Acetate	3.17	43	250552	106.113	ug/l	97
24) 1,1-Dichloroethane	2.86	63	66869	19.499	ug/l	98
25) 2-Butanone	4.33	43	68953	96.972	ug/l #	90
26) 2,2-Dichloropropane	3.59	77	38626	18.332	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	47239	18.943	ug/l	92
28) Bromochloromethane	3.71	49	29643	19.230	ug/l #	100
29) Tetrahydrofuran	4.06	42	26176	85.493	ug/l	96
30) Chloroform	3.84	83	92647	20.018	ug/l	99
31) Cyclohexane	3.68	56	60370	17.623	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	66375	19.559	ug/l	95
36) 1,1-Dichloropropene	4.27	75	64801	18.734	ug/l	96
37) Ethyl Acetate	4.09	43	27871	20.157	ug/l #	90
38) Carbon Tetrachloride	3.97	117	53761	17.778	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	64990	17.337	ug/l	96
40) Benzene	4.61	78	144507	18.775	ug/l	98
41) Methacrylonitrile	4.73	41	14205	19.307	ug/l #	90
42) 1,2-Dichloroethane	4.93	62	53868	19.640	ug/l	93
43) Isopropyl Acetate	6.95	43	32739	18.866	ug/l #	100
44) Trichloroethene	5.49	130	46960	19.889	ug/l	95
45) 1,2-Dichloropropane	6.22	63	39978	19.790	ug/l	95
46) Dibromomethane	6.07	93	24429	18.187	ug/l	95
47) Bromodichloromethane	6.37	83	66870	20.121	ug/l	98
48) Methyl methacrylate	6.70	41	19060	16.356	ug/l	91
49) 1,4-Dioxane	6.68	88	2970	317.765	ug/l #	44
51) 4-Methyl-2-Pentanone	8.24	43	124167	97.327	ug/l	95
52) Toluene	7.61	92	94635	18.670	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	57794	21.900	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	69947	21.205	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	26861	18.662	ug/l	96
56) Ethyl methacrylate	8.61	69	32000	19.109	ug/l	98
57) 1,3-Dichloropropane	8.84	76	49340	18.288	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.29	63	27598	167.380	ug/l	93
59) 2-Hexanone	9.48	43	95873	107.768	ug/l	100
60) Dibromochloromethane	8.70	129	40994	19.481	ug/l	98
61) 1,2-Dibromoethane	8.97	107	32101	19.481	ug/l	97
64) Tetrachloroethene	8.14	164	41479	20.210	ug/l	95
65) Chlorobenzene	9.78	112	111139	20.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	45879	20.751	ug/l	94
67) Ethyl Benzene	9.89	91	200772	19.799	ug/l	99
68) m/p-Xylenes	10.12	106	142612	39.102	ug/l	95
69) o-Xylene	10.70	106	79247	20.048	ug/l	99
70) Styrene	10.78	104	112181	20.733	ug/l	95
71) Bromoform	10.76	173	20588	20.725	ug/l #	96
73) Isopropylbenzene	11.11	105	229555	19.769	ug/l	98
74) N-amyl acetate	11.36	43	56593	20.611	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	39732	19.207	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	29570	19.893	ug/l	98
77) Bromobenzene	11.49	156	48544	19.795	ug/l	94
78) n-propylbenzene	11.59	91	288752	19.051	ug/l	99
79) 2-Chlorotoluene	11.71	91	159098	19.747	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	195621	20.875	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	13976m	21.629	ug/l	
82) 4-Chlorotoluene	11.89	91	167481	20.600	ug/l	99
83) tert-Butylbenzene	12.12	119	205414	21.178	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	195094	20.211	ug/l	94
85) sec-Butylbenzene	12.30	105	280045	21.261	ug/l	98
86) p-Isopropyltoluene	12.45	119	226047	20.906	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	96903	18.782	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	95189	20.541	ug/l	95
89) n-Butylbenzene	12.84	91	243054	21.796	ug/l	97
90) Hexachloroethane	12.91	117	54503	21.384	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	93490	20.379	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6812	18.566	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	62887	19.568	ug/l	96
94) Hexachlorobutadiene	14.18	225	40079	20.098	ug/l	95
95) Naphthalene	14.45	128	109595	17.949	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	56635	19.037	ug/l	93

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

