

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061537.D
 Acq On : 28 Jan 2019 13:13
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:59 PM

Quant Time: Jan 29 04:31:04 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	195442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	348748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	302838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	157268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	124610	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	4.11	113	141540	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.54	98	371683	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.40	95	163975	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	70576	18.378	ug/l	89
3) Chloromethane	1.10	50	56677	20.129	ug/l	97
4) Vinyl Chloride	1.14	62	51059	20.385	ug/l	99
5) Bromomethane	1.32	94	31559	19.322	ug/l	96
6) Chloroethane	1.40	64	23062	20.779	ug/l	90
7) Trichlorofluoromethane	1.48	101	87636	17.998	ug/l	97
8) Diethyl Ether	1.63	74	14552	23.323	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	47091	20.127	ug/l	97
10) Methyl Iodide	1.91	142	75150m	20.718	ug/l	
11) Tert butyl alcohol	2.57	59	11612	113.690	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	37382	21.505	ug/l	96
13) Acrolein	2.00	56	6305	79.042	ug/l	98
14) Allyl chloride	2.10	41	59078	30.822	ug/l	87
15) Acrylonitrile	2.93	53	31518	120.470	ug/l	94
16) Acetone	2.23	43	64102	132.422	ug/l	96
17) Carbon Disulfide	1.83	76	110213m	20.334	ug/l	
18) Methyl Acetate	2.34	43	23624	24.609	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	79341	20.361	ug/l	96
20) Methylene Chloride	2.18	84	41163m	24.142	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	41147	21.515	ug/l	93
22) Diisopropyl ether	2.80	45	144246	23.319	ug/l	99
23) Vinyl Acetate	3.18	43	361619	134.403	ug/l	100
24) 1,1-Dichloroethane	2.87	63	83965	21.627	ug/l	99
25) 2-Butanone	4.33	43	101904	126.590	ug/l	100
26) 2,2-Dichloropropane	3.59	77	45363	19.018	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	61788	21.886	ug/l	94
28) Bromochloromethane	3.71	49	40659	23.298	ug/l #	94
29) Tetrahydrofuran	4.07	42	41272	119.068	ug/l	99
30) Chloroform	3.86	83	111474	21.275	ug/l	98
31) Cyclohexane	3.67	56	83789m	21.605	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	71351	18.572	ug/l	98
36) 1,1-Dichloropropene	4.27	75	87568	21.656	ug/l	99
37) Ethyl Acetate	4.10	43	37416	23.149	ug/l	91
38) Carbon Tetrachloride	3.98	117	64234	18.171	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	86636	19.771	ug/l	96
40) Benzene	4.62	78	208167	23.136	ug/l	99
41) Methacrylonitrile	4.74	41	20557	23.902	ug/l	94
42) 1,2-Dichloroethane	4.93	62	63290	19.740	ug/l	99
43) Isopropyl Acetate	6.95	43	45864	22.608	ug/l #	99
44) Trichloroethene	5.49	130	60571	21.945	ug/l	92
45) 1,2-Dichloropropane	6.22	63	50228	21.270	ug/l	92
46) Dibromomethane	6.08	93	33372	21.253	ug/l	94
47) Bromodichloromethane	6.38	83	82517	21.240	ug/l	96
48) Methyl methacrylate	6.70	41	30252	22.208	ug/l	93
49) 1,4-Dioxane	6.70	88	4360	418.131	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	166316	111.520	ug/l	99
52) Toluene	7.61	92	121868	20.568	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	66168	21.449	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	81945	21.251	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	33969	20.188	ug/l	94
56) Ethyl methacrylate	8.61	69	42944	21.937	ug/l	97
57) 1,3-Dichloropropane	8.84	76	63688	20.194	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	32901	170.152	ug/l	100
59) 2-Hexanone	9.48	43	130442	125.431	ug/l	95
60) Dibromochloromethane	8.71	129	49320	20.050	ug/l	99
61) 1,2-Dibromoethane	8.97	107	37358	19.394	ug/l	96
64) Tetrachloroethene	8.14	164	47988	21.072	ug/l	93
65) Chlorobenzene	9.79	112	136344	22.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	52099	21.236	ug/l	97
67) Ethyl Benzene	9.89	91	236195	20.992	ug/l	99
68) m/p-Xylenes	10.13	106	174760	43.184	ug/l	100
69) o-Xylene	10.70	106	95988	21.885	ug/l	94
70) Styrene	10.78	104	132145	22.010	ug/l	99
71) Bromoform	10.77	173	26500	24.041	ug/l #	93
73) Isopropylbenzene	11.11	105	288583	22.562	ug/l	97
74) N-amyl acetate	11.37	43	78576	25.979	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	51018	22.389	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	35429	21.638	ug/l	97
77) Bromobenzene	11.49	156	55402	20.509	ug/l	89
78) n-propylbenzene	11.59	91	339616	20.391	ug/l	97
79) 2-Chlorotoluene	11.71	91	195797	22.062	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	232360	22.510	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	17065m	23.976	ug/l	
82) 4-Chlorotoluene	11.89	91	188755	21.077	ug/l	98
83) tert-Butylbenzene	12.12	119	231767	21.693	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	226517	21.304	ug/l	94
85) sec-Butylbenzene	12.30	105	316681	21.826	ug/l	96
86) p-Isopropyltoluene	12.45	119	268580	22.550	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	114082	20.102	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	110747	21.696	ug/l	97
89) n-Butylbenzene	12.84	91	270308	22.006	ug/l	96
90) Hexachloroethane	12.91	117	64135	22.843	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	105477	20.873	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7616	18.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	70787	19.997	ug/l	94
94) Hexachlorobutadiene	14.18	225	43072	19.608	ug/l	94
95) Naphthalene	14.45	128	137745	20.481	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	66366	20.252	ug/l	97

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

