

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060544.D
 Acq On : 30 Oct 2018 14:54
 Operator : VA/AP
 Sample : J5711-01
 Misc : 5.08/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-1

Quant Time: Oct 31 04:49:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	777	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.97	117	64	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	240	20.03	ug/l	0.04
Spiked Amount	50.000		Recovery	=	40.06%	
35) Dibromofluoromethane	4.28	113	93	11.17	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	22.34%	
50) Toluene-d8	7.72	98	195	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	
62) 4-Bromofluorobenzene	11.50	95	60	6.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	12.80%	

Target Compounds						Qvalue
3) Chloromethane	1.10	50	216	25.47	ug/l #	46
4) Vinyl Chloride	1.24	62	166	17.82	ug/l #	43
5) Bromomethane	1.33	94	297	40.57	ug/l #	4
6) Chloroethane	1.40	64	74	15.26	ug/l #	1
7) Trichlorofluoromethane	1.57	101	140	6.24	ug/l #	18
8) Diethyl Ether	1.66	74	76	27.00	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.88	101	77	6.82	ug/l #	22
10) Methyl Iodide	1.94	142	64	3.77	ug/l #	20
11) Tert butyl alcohol	2.72	59	190	387.75	ug/l #	71
12) 1,1-Dichloroethene	1.94	96	116	13.28	ug/l #	35
13) Acrolein	2.16	56	60	136.52	ug/l #	61
14) Allyl chloride	2.13	41	1107	79.73	ug/l #	40
15) Acrylonitrile	3.09	53	345	287.88	ug/l #	41
16) Acetone	2.35	43	80	26.09	ug/l #	62
17) Carbon Disulfide	1.98	76	60	2.44	ug/l #	73
18) Methyl Acetate	2.49	43	166	45.42	ug/l #	61
19) Methyl tert-butyl Ether	2.55	73	59	3.02	ug/l #	59
20) Methylene Chloride	2.31	84	68	7.77	ug/l #	1
21) trans-1,2-Dichloroethene	2.57	96	241	26.99	ug/l #	1
22) Diisopropyl ether	2.94	45	145	5.75	ug/l #	48
23) Vinyl Acetate	3.37	43	98	10.48	ug/l #	78
24) 1,1-Dichloroethane	2.89	63	86	4.73	ug/l #	1
25) 2-Butanone	4.53	43	129	21.34	ug/l #	54
26) 2,2-Dichloropropane	3.78	77	351	31.04	ug/l #	61
27) cis-1,2-Dichloroethene	3.63	96	63	5.85	ug/l	1
28) Bromochloromethane	4.05	49	88	13.42	ug/l	98
29) Tetrahydrofuran	4.28	42	199	195.69	ug/l #	34
30) Chloroform	3.96	83	64	2.78	ug/l #	1
31) Cyclohexane	3.89	56	137	10.54	ug/l #	1
32) 1,1,1-Trichloroethane	4.32	97	95	5.00	ug/l #	23
36) 1,1-Dichloropropene	4.52	75	161	14.89	ug/l #	44
37) Ethyl Acetate	4.34	43	338	96.54	ug/l #	1
38) Carbon Tetrachloride	4.23	117	62	4.79	ug/l #	12
39) Methylcyclohexane	5.64	83	594	54.39	ug/l #	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.86	78	65	3.03	ug/l #	52
41) Methacrylonitrile	4.98	41	341	170.39	ug/l #	23
42) 1,2-Dichloroethane	5.15	62	60	6.02	ug/l	78
43) Isopropyl Acetate	7.11	43	251	59.23	ug/l #	43
45) 1,2-Dichloropropane	6.46	63	108	20.18	ug/l #	42
46) Dibromomethane	6.15	93	163	38.78	ug/l #	9
47) Bromodichloromethane	6.54	83	70	6.49	ug/l #	24
48) Methyl methacrylate	6.93	41	186	63.63	ug/l	96
49) 1,4-Dioxane	6.83	88	69	2537.51	ug/l #	12
51) 4-Methyl-2-Pentanone	8.39	43	140	45.61	ug/l #	35
52) Toluene	7.75	92	111	7.97	ug/l #	1
53) t-1,3-Dichloropropene	8.51	75	117	13.89	ug/l #	44
54) cis-1,3-Dichloropropene	7.49	75	170	17.03	ug/l #	79
55) 1,1,2-Trichloroethane	8.73	97	73	17.50	ug/l #	47
56) Ethyl methacrylate	8.77	69	793	169.39	ug/l #	51
57) 1,3-Dichloropropane	8.90	76	65	9.21	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.77	63	67	138.86	ug/l	100
59) 2-Hexanone	9.62	43	202	85.80	ug/l #	29
60) Dibromochloromethane	8.71	129	96	14.28	ug/l #	10
61) 1,2-Dibromoethane	9.06	107	77	15.94	ug/l #	60
64) Tetrachloroethene	8.41	164	80	147.87	ug/l #	1
65) Chlorobenzene	9.90	112	67	52.03	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.07	131	95	161.91	ug/l #	10
67) Ethyl Benzene	10.16	91	103	41.86	ug/l #	47
68) m/p-Xylenes	10.41	106	72	85.69	ug/l #	1
69) o-Xylene	10.80	106	106	112.02	ug/l #	1

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

