

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060550.D
 Acq On : 30 Oct 2018 17:45
 Operator : VA/AP
 Sample : J5711-03
 Misc : 6.18/5mL/MSVOA_F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3

Quant Time: Oct 31 04:52:48 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	4.95	168	82	50.00	ug/l	-0.11
34) 1,4-Difluorobenzene	5.84	114	88	50.00	ug/l	0.07
63) Chlorobenzene-d5	9.95	117	131	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.72	152	102	50.00	ug/l	0.09

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.94	65	70	55.34	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	110.68%	
35) Dibromofluoromethane	4.23	113	79	93.55	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	187.10%	
50) Toluene-d8	7.82	98	60	29.09	ug/l	0.09
Spiked Amount	50.000		Recovery	=	58.18%	
62) 4-Bromofluorobenzene	11.72	95	62	65.25	ug/l	0.20
Spiked Amount	50.000		Recovery	=	130.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	60	42.37	ug/l #	41
3) Chloromethane	1.08	50	302	373.59	ug/l #	46
4) Vinyl Chloride	1.21	62	81	82.39	ug/l #	43
5) Bromomethane	1.38	94	140	181.20	ug/l #	4
6) Chloroethane	1.45	64	80	156.29	ug/l #	41
7) Trichlorofluoromethane	1.51	101	62	26.18	ug/l #	18
8) Diethyl Ether	1.50	74	75	252.47	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	1.89	101	69	66.30	ug/l #	22
10) Methyl Iodide	2.06	142	137	76.47	ug/l #	20
11) Tert butyl alcohol	2.60	59	72	1044.05	ug/l #	71
12) 1,1-Dichloroethene	1.80	96	73	79.22	ug/l #	1
13) Acrolein	2.09	56	85	1867.84	ug/l #	12
14) Allyl chloride	2.15	41	201	137.18	ug/l #	69
15) Acrylonitrile	3.02	53	88	695.79	ug/l #	13
16) Acetone	2.27	43	125	524.41	ug/l #	62
17) Carbon Disulfide	1.80	76	85	32.82	ug/l #	73
18) Methyl Acetate	2.41	43	97	238.12	ug/l #	61
19) Methyl tert-butyl Ether	2.50	73	137	66.35	ug/l #	59
20) Methylene Chloride	2.36	84	74	89.48	ug/l #	1
21) trans-1,2-Dichloroethene	2.38	96	66	70.03	ug/l #	34
22) Diisopropyl ether	2.86	45	156	58.61	ug/l #	53
23) Vinyl Acetate	3.23	43	173	175.23	ug/l #	78
24) 1,1-Dichloroethane	3.01	63	66	34.36	ug/l #	90
25) 2-Butanone	4.41	43	74	249.97	ug/l #	54
26) 2,2-Dichloropropane	3.65	77	94	78.76	ug/l #	61
27) cis-1,2-Dichloroethene	3.57	96	168	147.83	ug/l	1
28) Bromochloromethane	3.91	49	67	96.85	ug/l #	1
29) Tetrahydrofuran	4.17	42	80	786.45	ug/l #	37
30) Chloroform	3.95	83	61	25.15	ug/l #	15
31) Cyclohexane	3.82	56	64	46.67	ug/l #	14
32) 1,1,1-Trichloroethane	4.15	97	206	102.73	ug/l #	23
37) Ethyl Acetate	4.38	43	131	369.06	ug/l #	1
38) Carbon Tetrachloride	4.08	117	149	113.50	ug/l #	12
39) Methylcyclohexane	5.72	83	85	76.77	ug/l #	15

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.93	41	108	532.28	ug/l #	24
42) 1,2-Dichloroethane	5.12	62	65	64.37	ug/l	78
43) Isopropyl Acetate	7.21	43	73	169.91	ug/l #	43
45) 1,2-Dichloropropane	6.56	63	61	112.41	ug/l #	42
46) Dibromomethane	6.28	93	64	150.18	ug/l #	9
47) Bromodichloromethane	6.79	83	163	149.07	ug/l #	24
48) Methyl methacrylate	6.97	41	223	752.49	ug/l #	14
49) 1,4-Dioxane	6.81	88	75	27205.55	ug/l #	12
51) 4-Methyl-2-Pentanone	8.53	43	529	1699.77	ug/l #	84
52) Toluene	7.97	92	68	48.17	ug/l #	1
53) t-1,3-Dichloropropene	8.56	75	115	134.63	ug/l #	44
54) cis-1,3-Dichloropropene	7.59	75	95	93.85	ug/l #	79
56) Ethyl methacrylate	8.82	69	89	187.51	ug/l #	5
57) 1,3-Dichloropropane	9.13	76	81	113.16	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.84	63	83	1696.74	ug/l	100
59) 2-Hexanone	9.75	43	110	543.53	ug/l #	29
64) Tetrachloroethene	8.39	164	63	56.89	ug/l #	37
65) Chlorobenzene	9.92	112	65	24.66	ug/l #	43
67) Ethyl Benzene	10.00	91	64	12.71	ug/l #	47
70) Styrene	10.85	104	73	26.73	ug/l #	27
71) Bromoform	11.05	173	67	108.16	ug/l #	34
73) Isopropylbenzene	11.28	105	76	9.75	ug/l #	51
74) N-amyl acetate	11.42	43	80	51.23	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.92	83	66	50.73	ug/l #	25
76) 1,2,3-Trichloropropane	11.83	75	147	150.19	ug/l #	41
79) 2-Chlorotoluene	11.89	91	60	10.84	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.99	105	172	25.53	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.97	75	237	554.38	ug/l #	15
82) 4-Chlorotoluene	11.89	91	60	10.45	ug/l #	44
83) tert-Butylbenzene	12.19	119	62	9.50	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.32	105	114	16.66	ug/l #	32
85) sec-Butylbenzene	12.32	105	114	12.46	ug/l #	58
87) 1,3-Dichlorobenzene	12.45	146	66	19.27	ug/l #	23
89) n-Butylbenzene	12.90	91	67	3.47	ug/l #	28
90) Hexachloroethane	13.08	117	67	34.57	ug/l #	23
91) 1,2-Dichlorobenzene	13.15	146	69	21.39	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.73	75	84	311.38	ug/l #	6
95) Naphthalene	14.52	128	83	19.42	ug/l #	69

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

