

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059275.D
 Acq On : 21 Jun 2018 22:18
 Operator : VA/AP
 Sample : J3570-02RE
 Misc : 5.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 20180372-COMPOSITE-CS-1BRE

Quant Time: Jun 22 07:07:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	61	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.97	114	84	50.00	ug/l	0.21
63) Chlorobenzene-d5	10.29	117	63	50.00	ug/l	0.38
72) 1,4-Dichlorobenzene-d4	12.75	152	82	50.00	ug/l	0.11

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	60	68.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.04%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.92	98	61	33.93	ug/l	0.21
Spiked Amount	50.000		Recovery	=	67.86%	
62) 4-Bromofluorobenzene	11.75	95	138	138.44	ug/l	0.24
Spiked Amount	50.000		Recovery	=	276.88%	

Target Compounds						Qvalue
3) Chloromethane	1.10	50	123	274.93	ug/l #	40
6) Chloroethane	1.48	64	67	309.62	ug/l #	38
8) Diethyl Ether	1.68	74	65	332.44	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	1.90	101	64	132.03	ug/l #	19
11) Tert butyl alcohol	2.69	59	59	1156.34	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	106	245.19	ug/l #	1
13) Acrolein	2.10	56	303	7816.03	ug/l #	10
14) Allyl chloride	2.19	41	60	75.19	ug/l #	84
15) Acrylonitrile	3.15	53	67	608.26	ug/l #	10
16) Acetone	2.33	43	65	314.09	ug/l #	64
17) Carbon Disulfide	1.94	76	76	72.37	ug/l #	72
18) Methyl Acetate	2.38	43	203	520.28	ug/l #	66
19) Methyl tert-butyl Ether	2.54	73	86	59.30	ug/l #	62
20) Methylene Chloride	2.41	84	77	189.72	ug/l #	42
21) trans-1,2-Dichloroethene	2.50	96	63	139.59	ug/l #	1
22) Diisopropyl ether	2.91	45	62	37.45	ug/l #	36
23) Vinyl Acetate	3.33	43	180	169.97	ug/l #	80
25) 2-Butanone	4.51	43	93	336.89	ug/l #	58
26) 2,2-Dichloropropane	3.77	77	135	180.47	ug/l #	64
27) cis-1,2-Dichloroethene	3.61	96	76	110.84	ug/l	1
28) Bromochloromethane	3.84	49	71	191.89	ug/l #	8
29) Tetrahydrofuran	4.18	42	180	1452.21	ug/l #	37
31) Cyclohexane	3.78	56	143	193.54	ug/l #	18
36) 1,1-Dichloropropene	4.57	75	187	211.84	ug/l #	49
37) Ethyl Acetate	4.48	43	105	186.15	ug/l #	11
40) Benzene	5.00	78	67	35.77	ug/l #	1
41) Methacrylonitrile	5.12	41	80	296.89	ug/l #	31
42) 1,2-Dichloroethane	5.23	62	66	61.17	ug/l	84
43) Isopropyl Acetate	7.34	43	73	105.62	ug/l #	47
45) 1,2-Dichloropropane	6.75	63	77	140.91	ug/l #	43
48) Methyl methacrylate	7.11	41	196	447.94	ug/l #	1
49) 1,4-Dioxane	7.20	88	70	27584.45	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	98	198.82	ug/l #	39
53) t-1,3-Dichloropropene	8.86	75	76	73.31	ug/l #	42

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

54) cis-1,3-Dichloropropene	7.67	75	63	57.56	ug/l #	5
55) 1,1,2-Trichloroethane	8.86	97	64	114.69	ug/l #	17
57) 1,3-Dichloropropane	9.48	76	86	93.18	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.03	63	75	1469.89	ug/l	100
59) 2-Hexanone	9.99	43	180	460.61	ug/l #	43
61) 1,2-Dibromoethane	9.54	107	63	98.00	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	9.97	131	60	107.43	ug/l #	10
67) Ethyl Benzene	10.10	91	125	54.93	ug/l #	45
68) m/p-Xylenes	10.30	106	65	79.46	ug/l #	1
70) Styrene	10.97	104	70	51.39	ug/l #	29
73) Isopropylbenzene	11.27	105	76	13.45	ug/l #	49
74) N-amyl acetate	11.45	43	254	137.72	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.75	83	59	44.52	ug/l #	25
76) 1,2,3-Trichloropropane	11.95	75	68	70.07	ug/l #	40
79) 2-Chlorotoluene	11.85	91	138	34.44	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.95	75	68	109.42	ug/l #	12
82) 4-Chlorotoluene	11.85	91	138	32.06	ug/l #	40
84) 1,2,4-Trimethylbenzene	12.41	105	64	12.72	ug/l #	31
85) sec-Butylbenzene	12.41	105	64	9.92	ug/l #	58
86) p-Isopropyltoluene	12.53	119	127	23.88	ug/l #	50
87) 1,3-Dichlorobenzene	12.43	146	70	25.58	ug/l #	25
89) n-Butylbenzene	12.85	91	60	11.08	ug/l #	28
90) Hexachloroethane	13.00	117	85	63.93	ug/l #	10
91) 1,2-Dichlorobenzene	12.99	146	101	37.22	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.79	75	77	269.04	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.26	180	127	64.07	ug/l #	11
95) Naphthalene	14.54	128	138	33.90	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.67	180	67	35.92	ug/l #	13

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

