

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059259.D
 Acq On : 21 Jun 2018 12:50
 Operator : VA/AP
 Sample : J3570-01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 20180371-COMPOSITE-CS-1A

Quant Time: Jun 21 14:06:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	1430	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1299	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	319	18.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.78%	
35) Dibromofluoromethane	4.29	113	263	28.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	57.70%	
50) Toluene-d8	7.71	98	895	33.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.84%	
62) 4-Bromofluorobenzene	11.51	95	567	41.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.88	85	66	4.08	ug/l #	42
3) Chloromethane	1.09	50	67	5.34	ug/l #	41
4) Vinyl Chloride	1.22	62	66	5.84	ug/l #	43
5) Bromomethane	1.22	94	67	10.17	ug/l #	1
6) Chloroethane	1.37	64	67	14.28	ug/l #	44
8) Diethyl Ether	1.76	74	136	30.75	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	2.02	101	63	5.62	ug/l #	19
11) Tert butyl alcohol	2.50	59	79	71.09	ug/l #	71
12) 1,1-Dichloroethene	1.93	96	69	7.32	ug/l #	1
13) Acrolein	2.22	56	72	74.86	ug/l #	71
14) Allyl chloride	2.21	41	159	8.60	ug/l #	4
15) Acrylonitrile	3.07	53	60	27.19	ug/l #	13
16) Acetone	2.31	43	331	79.94	ug/l #	59
17) Carbon Disulfide	1.85	76	927	35.04	ug/l #	78
18) Methyl Acetate	2.44	43	132	18.54	ug/l #	66
19) Methyl tert-butyl Ether	2.52	73	106	3.62	ug/l #	58
20) Methylene Chloride	2.27	84	72	7.26	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	64	6.19	ug/l #	1
22) Diisopropyl ether	2.90	45	59	1.62	ug/l #	38
23) Vinyl Acetate	3.33	43	295	12.31	ug/l #	78
25) 2-Butanone	4.50	43	572	89.10	ug/l #	56
26) 2,2-Dichloropropane	3.71	77	172	10.76	ug/l #	65
27) cis-1,2-Dichloroethene	3.67	96	94	5.91	ug/l #	1
28) Bromochloromethane	3.81	49	98	9.88	ug/l #	2
29) Tetrahydrofuran	4.24	42	221	78.13	ug/l #	36
31) Cyclohexane	3.74	56	82	4.26	ug/l #	15
32) 1,1,1-Trichloroethane	4.17	97	60	2.55	ug/l #	20
36) 1,1-Dichloropropene	4.51	75	62	4.92	ug/l #	42
37) Ethyl Acetate	4.26	43	78	10.03	ug/l #	17
38) Carbon Tetrachloride	4.02	117	86	6.30	ug/l #	13
40) Benzene	4.79	78	86	2.94	ug/l #	50
41) Methacrylonitrile	4.93	41	77	20.15	ug/l #	24
42) 1,2-Dichloroethane	5.24	62	62	4.73	ug/l #	82
43) Isopropyl Acetate	7.10	43	879	84.36	ug/l #	44

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	5.61	130	72	7.88	ug/l	1
48) Methyl methacrylate	6.88	41	419	65.23	ug/l #	53
49) 1,4-Dioxane	6.65	88	92	2383.58	ug/l #	47
51) 4-Methyl-2-Pentanone	8.41	43	1008	141.15	ug/l #	77
52) Toluene	7.80	92	66	3.14	ug/l #	1
53) t-1,3-Dichloropropene	8.42	75	83	5.94	ug/l #	43
54) cis-1,3-Dichloropropene	7.35	75	63	3.93	ug/l #	1
55) 1,1,2-Trichloroethane	8.52	97	60	7.87	ug/l #	16
56) Ethyl methacrylate	8.76	69	371	38.59	ug/l	94
57) 1,3-Dichloropropane	9.01	76	125	9.58	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.93	63	159	231.27	ug/l	100
59) 2-Hexanone	9.64	43	2222	393.36	ug/l	98
60) Dibromochloromethane	8.95	129	66	6.02	ug/l #	12
65) Chlorobenzene	9.92	112	69	3.27	ug/l #	42
67) Ethyl Benzene	10.04	91	135	3.68	ug/l #	44
68) m/p-Xylenes	10.26	106	73	5.32	ug/l	90
69) o-Xylene	10.83	106	70	4.72	ug/l	41
70) Styrene	10.90	104	234	10.43	ug/l #	60
73) Isopropylbenzene	11.23	105	263	7.74	ug/l #	50
74) N-amyl acetate	11.47	43	176	14.49	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.78	83	65	8.07	ug/l #	24
76) 1,2,3-Trichloropropane	11.89	75	185	31.08	ug/l #	37
77) Bromobenzene	11.59	156	136	15.90	ug/l	72
78) n-propylbenzene	11.70	91	352	8.75	ug/l #	53
79) 2-Chlorotoluene	11.77	91	61	2.57	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.92	105	257	9.13	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	150	38.87	ug/l #	19
82) 4-Chlorotoluene	12.01	91	345	13.63	ug/l #	40
83) tert-Butylbenzene	12.15	119	67	2.40	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.29	105	277	9.50	ug/l #	28
85) sec-Butylbenzene	12.38	105	68	1.79	ug/l #	58
86) p-Isopropyltoluene	12.55	119	61	1.96	ug/l #	50
87) 1,3-Dichlorobenzene	12.56	146	129	8.17	ug/l #	49
88) 1,4-Dichlorobenzene	12.65	146	154	10.12	ug/l #	24
89) n-Butylbenzene	12.93	91	123	2.57	ug/l #	41
90) Hexachloroethane	12.99	117	64	8.34	ug/l #	24
91) 1,2-Dichlorobenzene	13.03	146	165	10.84	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.79	75	62	39.22	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.27	180	59	5.54	ug/l #	64
95) Naphthalene	14.55	128	312	13.72	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.66	180	61	6.20	ug/l #	11

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

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