

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059782.D
 Acq On : 2 Aug 2018 5:19
 Operator : VA/AP
 Sample : J4164-11
 Misc : 10.88g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DUP-072518

Quant Time: Aug 02 07:50:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	7210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	6514	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	3112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	1232	9.51	ug/l	0.00
Spiked Amount			Recovery	=	19.02%	
35) Dibromofluoromethane	4.30	113	2135	31.56	ug/l	0.01
Spiked Amount			Recovery	=	63.12%	
50) Toluene-d8	7.71	98	3994	25.31	ug/l	0.00
Spiked Amount			Recovery	=	50.62%	
62) 4-Bromofluorobenzene	11.51	95	701	8.03	ug/l	0.00
Spiked Amount			Recovery	=	16.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	103	Below Cal	#	38
4) Vinyl Chloride	0.99	62	95	Below Cal	#	47
5) Bromomethane	1.36	94	132	Below Cal	#	4
6) Chloroethane	1.43	64	60	Below Cal	#	35
8) Diethyl Ether	1.77	74	78	3.39	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	1.95	101	96	1.36	ug/l	# 22
11) Tert butyl alcohol	2.64	59	65	11.05	ug/l	# 74
12) 1,1-Dichloroethene	1.75	96	64	1.15	ug/l	# 1
13) Acrolein	1.93	56	67	38.97	ug/l	# 4
14) Allyl chloride	2.16	41	167	1.87	ug/l	# 1
16) Acetone	2.34	43	106	4.55	ug/l	# 68
17) Carbon Disulfide	1.94	76	64	Below Cal	#	71
18) Methyl Acetate	2.45	43	66	Below Cal	#	64
20) Methylene Chloride	2.40	84	93	Below Cal	#	1
23) Vinyl Acetate	3.36	43	173	1.78	ug/l	# 83
25) 2-Butanone	4.50	43	65	2.50	ug/l	# 74
29) Tetrahydrofuran	4.18	42	81	8.10	ug/l	# 39
31) Cyclohexane	3.84	56	65	Below Cal	#	15
37) Ethyl Acetate	4.36	43	73	Below Cal	#	19
39) Methylcyclohexane	5.62	83	60	Below Cal	#	13
41) Methacrylonitrile	4.89	41	177	8.46	ug/l	# 37
43) Isopropyl Acetate	7.13	43	326	8.37	ug/l	# 46
44) Trichloroethene	5.79	130	73	Below Cal	#	1
45) 1,2-Dichloropropane	6.31	63	88	2.53	ug/l	# 43
48) Methyl methacrylate	6.85	41	62	2.12	ug/l	# 13
49) 1,4-Dioxane	6.92	88	61	280.37	ug/l	# 21
51) 4-Methyl-2-Pentanone	8.43	43	63	2.13	ug/l	# 42
53) t-1,3-Dichloropropene	8.56	75	107	1.37	ug/l	# 55
55) 1,1,2-Trichloroethane	8.50	97	138	3.87	ug/l	# 14
56) Ethyl methacrylate	8.75	69	60	1.61	ug/l	# 14
58) 2-Chloroethyl Vinyl ether	7.86	63	63	14.69	ug/l	100
59) 2-Hexanone	9.62	43	155	6.53	ug/l	# 30
60) Dibromochloromethane	8.76	129	70	1.11	ug/l	# 12
68) m/p-Xylenes	10.22	106	76	Below Cal	#	1

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69) o-Xylene	10.89	106	74	1.86	ug/l #	1
70) Styrene	10.73	104	136	2.26	ug/l #	26
71) Bromoform	10.72	173	72	3.80	ug/l #	30
74) N-amyl acetate	11.45	43	64	9.10	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.70	83	60	11.43	ug/l #	25
76) 1,2,3-Trichloropropane	11.91	75	148	33.16	ug/l #	1
77) Bromobenzene	11.61	156	62	8.51	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.91	75	148	80.06	ug/l #	69
83) tert-Butylbenzene	12.34	119	62	2.48	ug/l #	26
85) sec-Butylbenzene	12.52	105	72	Below	Cal #	57
86) p-Isopropyltoluene	12.64	119	92	Below	Cal #	49
89) n-Butylbenzene	12.99	91	86	Below	Cal #	29
90) Hexachloroethane	12.96	117	63	8.96	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.83	75	70	54.55	ug/l #	39
93) 1,2,4-Trichlorobenzene	14.25	180	80	4.26	ug/l #	12
95) Naphthalene	14.47	128	93	5.08	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.60	180	68	6.71	ug/l #	13

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

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