

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059237.D
 Acq On : 20 Jun 2018 20:31
 Operator : VA/AP
 Sample : J3575-14RE
 Misc : 8.05µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11-SRE

Quant Time: Jun 21 06:39:08 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	5.02	168	4968	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	6409	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	3942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	992	16.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.92%	
35) Dibromofluoromethane	4.28	113	1393	30.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	61.96%	
50) Toluene-d8	7.70	98	5733	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
62) 4-Bromofluorobenzene	11.51	95	1625	23.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.96%	

Target Compounds			Qvalue			
3) Chloromethane	1.15	50	60	1.38	ug/l #	41
5) Bromomethane	1.22	94	104	4.54	ug/l	84
6) Chloroethane	1.37	64	76	4.66	ug/l #	44
8) Diethyl Ether	1.61	74	76	4.95	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	76	2.32	ug/l #	1
13) Acrolein	2.05	56	67	20.05	ug/l #	12
14) Allyl chloride	2.17	41	335	5.21	ug/l #	33
15) Acrylonitrile	3.05	53	80	10.43	ug/l #	13
16) Acetone	2.32	43	218	15.15	ug/l #	35
17) Carbon Disulfide	1.91	76	135	1.47	ug/l #	73
18) Methyl Acetate	2.49	43	208	8.41	ug/l #	66
19) Methyl tert-butyl Ether	2.51	73	102	1.00	ug/l #	58
20) Methylene Chloride	2.28	84	96	2.79	ug/l #	64
21) trans-1,2-Dichloroethene	2.48	96	68	1.89	ug/l #	1
25) 2-Butanone	4.49	43	147	6.59	ug/l #	56
26) 2,2-Dichloropropane	3.71	77	95	1.71	ug/l #	65
27) cis-1,2-Dichloroethene	3.72	96	61	1.10	ug/l	1
28) Bromochloromethane	3.92	49	61	1.77	ug/l #	2
29) Tetrahydrofuran	4.25	42	70	7.12	ug/l #	36
31) Cyclohexane	3.73	56	69	1.03	ug/l #	15
36) 1,1-Dichloropropene	4.38	75	63	1.01	ug/l #	42
37) Ethyl Acetate	4.36	43	242	6.30	ug/l #	17
39) Methylcyclohexane	5.75	83	201	3.17	ug/l #	13
40) Benzene	4.77	78	289	2.00	ug/l #	50
41) Methacrylonitrile	4.91	41	164	8.70	ug/l #	48
43) Isopropyl Acetate	7.05	43	128	2.49	ug/l #	44
45) 1,2-Dichloropropane	6.45	63	60	1.44	ug/l #	44
48) Methyl methacrylate	6.86	41	419	13.22	ug/l #	15
49) 1,4-Dioxane	6.81	88	61	253.29	ug/l #	16
51) 4-Methyl-2-Pentanone	8.39	43	244	6.93	ug/l #	38
53) t-1,3-Dichloropropene	8.48	75	76	1.10	ug/l #	43
54) cis-1,3-Dichloropropene	7.44	75	101	1.28	ug/l #	26
55) 1,1,2-Trichloroethane	8.77	97	72	1.91	ug/l #	16
56) Ethyl methacrylate	8.76	69	60	1.26	ug/l #	20

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

58) 2-Chloroethyl Vinyl ether	7.73	63	61	17.98	ug/l	100
59) 2-Hexanone	9.62	43	65	2.33	ug/l #	26
60) Dibromochloromethane	8.88	129	83	1.53	ug/l #	12
64) Tetrachloroethene	8.40	164	80	2.77	ug/l #	1
74) N-amyl acetate	11.46	43	160	10.61	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.90	83	72	7.19	ug/l #	24
76) 1,2,3-Trichloropropane	11.94	75	61	8.25	ug/l #	40
78) n-propylbenzene	11.62	91	62	1.24	ug/l #	53
79) 2-Chlorotoluene	11.96	91	143	4.84	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	60	1.72	ug/l #	21
81) trans-1,4-Dichloro-2-buten	11.94	75	61	12.72	ug/l #	1
82) 4-Chlorotoluene	11.96	91	143	4.55	ug/l #	40
83) tert-Butylbenzene	12.16	119	63	1.82	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.40	105	63	1.74	ug/l #	28
85) sec-Butylbenzene	12.40	105	63	1.34	ug/l #	58
86) p-Isopropyltoluene	12.48	119	63	1.63	ug/l #	50
89) n-Butylbenzene	12.99	91	166	2.87	ug/l #	28
90) Hexachloroethane	12.85	117	60	6.29	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.65	75	75	38.19	ug/l #	8
95) Naphthalene	14.49	128	117	4.14	ug/l #	70

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

