

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060366.D
 Acq On : 26 Sep 2018 21:54
 Operator : VA/AP
 Sample : J4773-11
 Misc : 11.98/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-092518-A

Quant Time: Sep 27 03:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	6771	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	6860	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	2592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	67	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	1707	18.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.44%	
35) Dibromofluoromethane	4.27	113	2503	40.93	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	81.86%	
50) Toluene-d8	7.69	98	5316	33.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	66.76%	
62) 4-Bromofluorobenzene	11.51	95	654	9.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.03	85	73	Below Cal	# 40
3) Chloromethane	1.12	50	132	1.431 ug/l	# 42
4) Vinyl Chloride	1.12	62	143	1.521 ug/l	# 43
5) Bromomethane	1.36	94	187	Below Cal	# 71
6) Chloroethane	1.34	64	72	1.608 ug/l	# 42
8) Diethyl Ether	1.55	74	141	4.838 ug/l	91
11) Tert butyl alcohol	2.77	59	83	Below Cal	# 1
12) 1,1-Dichloroethene	1.84	96	83	1.077 ug/l	# 1
13) Acrolein	1.96	56	157	17.084 ug/l	99
14) Allyl chloride	2.21	41	1519	11.297 ug/l	# 52
15) Acrylonitrile	3.11	53	154	11.959 ug/l	# 75
16) Acetone	2.34	43	428	16.669 ug/l	# 59
17) Carbon Disulfide	1.93	76	60	Below Cal	# 70
18) Methyl Acetate	2.44	43	509	11.900 ug/l	# 21
20) Methylene Chloride	2.28	84	135	Below Cal	# 1
21) trans-1,2-Dichloroethene	2.34	96	231	2.903 ug/l	# 1
22) Diisopropyl ether	2.88	45	372	1.466 ug/l	# 6
23) Vinyl Acetate	3.27	43	665	6.674 ug/l	# 79
25) 2-Butanone	4.52	43	840	24.305 ug/l	# 56
27) cis-1,2-Dichloroethene	3.62	96	128	1.224 ug/l	45
29) Tetrahydrofuran	4.22	42	384	30.341 ug/l	# 47
31) Cyclohexane	3.80	56	407	2.929 ug/l	# 15
37) Ethyl Acetate	4.25	43	698	19.278 ug/l	# 1
39) Methylcyclohexane	5.62	83	223	2.405 ug/l	# 66
41) Methacrylonitrile	4.92	41	401	20.411 ug/l	# 74
42) 1,2-Dichloroethane	5.09	62	158	2.212 ug/l	79
43) Isopropyl Acetate	7.08	43	692	15.876 ug/l	# 48
45) 1,2-Dichloropropane	6.40	63	88	1.752 ug/l	# 42
46) Dibromomethane	6.14	93	70	1.950 ug/l	# 47
48) Methyl methacrylate	6.82	41	444	14.511 ug/l	# 38
49) 1,4-Dioxane	6.84	88	76	278.027 ug/l	# 1
51) 4-Methyl-2-Pentanone	8.42	43	513	15.270 ug/l	# 35
52) Toluene	7.75	92	148	1.206 ug/l	# 1
53) t-1,3-Dichloropropene	8.43	75	76	1.092 ug/l	# 1

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

55) 1,1,2-Trichloroethane	8.74	97	65	1.745	ug/l #	17
56) Ethyl methacrylate	8.75	69	244	5.423	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.74	63	223	56.065	ug/l	100
59) 2-Hexanone	9.64	43	1170	48.914	ug/l #	26
60) Dibromochloromethane	8.94	129	71	1.279	ug/l #	13
61) 1,2-Dibromoethane	9.19	107	60	1.446	ug/l #	4
64) Tetrachloroethene	8.29	164	72	3.064	ug/l #	23
65) Chlorobenzene	9.82	112	73	1.243	ug/l #	41
67) Ethyl Benzene	10.13	91	264	2.431	ug/l #	46
69) o-Xylene	10.84	106	132	3.136	ug/l #	4
70) Styrene	10.90	104	72	1.213	ug/l #	31
71) Bromoform	10.81	173	60	4.481	ug/l #	31
73) Isopropylbenzene	11.19	105	140	23.276	ug/l #	51
74) N-amyl acetate	11.46	43	468	364.879	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.82	83	69	64.731	ug/l #	15
76) 1,2,3-Trichloropropane	11.86	75	65	85.164	ug/l #	1
77) Bromobenzene	11.63	156	60	46.287	ug/l #	1
78) n-propylbenzene	11.67	91	60	2.131	ug/l #	57
79) 2-Chlorotoluene	11.81	91	79	19.471	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.96	105	61	12.599	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.98	75	156	386.761	ug/l #	20
82) 4-Chlorotoluene	12.03	91	59	14.468	ug/l #	43
83) tert-Butylbenzene	12.26	119	60	12.225	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.28	105	83	16.882	ug/l #	31
85) sec-Butylbenzene	12.38	105	124	16.016	ug/l #	58
86) p-Isopropyltoluene	12.52	119	83	12.184	ug/l #	50
87) 1,3-Dichlorobenzene	12.39	146	73	30.137	ug/l #	8
89) n-Butylbenzene	12.95	91	59	7.269	ug/l #	28
90) Hexachloroethane	12.95	117	64	46.599	ug/l #	22
91) 1,2-Dichlorobenzene	13.10	146	65	28.130	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	87	434.708	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	88	52.397	ug/l #	8
95) Naphthalene	14.51	128	180	61.130	ug/l #	1

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

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