

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059410.D
 Acq On : 3 Jul 2018 14:22
 Operator : VA/AP
 Sample : J3774-06RE
 Misc : 5.32g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-6(2-4)RE

Quant Time: Jul 04 00:10:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	652	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	445	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	157	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	148	21.82	ug/l	0.02
Spiked Amount	50.000		Recovery	=	43.64%	
35) Dibromofluoromethane	4.26	113	209	43.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.74%	
50) Toluene-d8	7.67	98	230	19.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	39.00%	
62) 4-Bromofluorobenzene	11.49	95	417	62.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	125.34%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.02	85	69	14.385	ug/l #	8
3) Chloromethane	1.05	50	103	31.964	ug/l #	41
4) Vinyl Chloride	1.28	62	75	23.645	ug/l #	1
5) Bromomethane	1.30	94	134	75.878	ug/l #	4
6) Chloroethane	1.41	64	176	110.166	ug/l #	45
7) Trichlorofluoromethane	1.47	101	59	9.406	ug/l #	16
8) Diethyl Ether	1.62	74	76	47.256	ug/l #	1
11) Tert butyl alcohol	2.61	59	65	143.944	ug/l #	66
12) 1,1-Dichloroethene	1.71	96	86	27.785	ug/l #	1
13) Acrolein	2.05	56	66	311.263	ug/l #	10
14) Allyl chloride	2.16	41	151	25.989	ug/l #	64
15) Acrylonitrile	3.07	53	67	84.256	ug/l #	9
16) Acetone	2.34	43	223	126.606	ug/l #	65
17) Carbon Disulfide	1.91	76	157	21.564	ug/l #	71
18) Methyl Acetate	2.42	43	141	45.962	ug/l #	61
19) Methyl tert-butyl Ether	2.53	73	72	6.236	ug/l #	63
20) Methylene Chloride	2.26	84	70	12.922	ug/l #	1
21) trans-1,2-Dichloroethene	2.40	96	65	19.686	ug/l #	1
22) Diisopropyl ether	2.91	45	85	6.606	ug/l #	37
23) Vinyl Acetate	3.28	43	146	17.818	ug/l #	79
24) 1,1-Dichloroethane	3.06	63	156	19.556	ug/l #	90
25) 2-Butanone	4.44	43	62	27.774	ug/l #	59
26) 2,2-Dichloropropane	3.81	77	75	13.631	ug/l #	62
27) cis-1,2-Dichloroethene	3.69	96	107	21.345	ug/l	1
28) Bromochloromethane	3.76	49	88	26.752	ug/l #	6
29) Tetrahydrofuran	4.21	42	61	63.305	ug/l #	1
30) Chloroform	4.11	83	88	7.620	ug/l #	18
31) Cyclohexane	3.77	56	76	14.543	ug/l #	13
32) 1,1,1-Trichloroethane	4.23	97	143	16.921	ug/l #	21
36) 1,1-Dichloropropene	4.40	75	60	10.534	ug/l #	44
37) Ethyl Acetate	4.24	43	88	23.363	ug/l #	26
39) Methylcyclohexane	5.54	83	65	12.878	ug/l #	15
40) Benzene	4.80	78	89	7.047	ug/l #	15
41) Methacrylonitrile	4.86	41	406	208.967	ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.11	62	86	11.654	ug/l	83
43) Isopropyl Acetate	7.08	43	148	31.195	ug/l #	52
44) Trichloroethene	5.53	130	109	25.161	ug/l	1
46) Dibromomethane	6.23	93	87	27.781	ug/l #	4
48) Methyl methacrylate	6.78	41	77	24.216	ug/l #	11
51) 4-Methyl-2-Pentanone	8.34	43	279	79.379	ug/l #	39
52) Toluene	7.70	92	111	11.746	ug/l #	1
53) t-1,3-Dichloropropene	8.45	75	95	13.748	ug/l #	43
54) cis-1,3-Dichloropropene	7.42	75	91	12.124	ug/l #	64
55) 1,1,2-Trichloroethane	8.73	97	106	28.890	ug/l #	13
56) Ethyl methacrylate	8.65	69	71	15.621	ug/l #	1
59) 2-Hexanone	9.58	43	62	7.059	ug/l #	30
65) Chlorobenzene	9.82	112	64	7.761	ug/l #	42
67) Ethyl Benzene	10.04	91	83	5.933	ug/l #	44
73) Isopropylbenzene	11.18	105	64	6.997	ug/l #	51
74) N-amyl acetate	11.46	43	170	51.218	ug/l #	33
76) 1,2,3-Trichloropropane	11.96	75	174	99.858	ug/l #	39
78) n-propylbenzene	11.61	91	71	6.464	ug/l #	52
79) 2-Chlorotoluene	11.93	91	134	19.967	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.04	105	60	7.489	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.96	75	174	167.777	ug/l #	14
82) 4-Chlorotoluene	12.04	91	82	11.408	ug/l #	38
83) tert-Butylbenzene	12.24	119	80	9.983	ug/l #	31
86) p-Isopropyltoluene	12.50	119	74	8.302	ug/l #	50
88) 1,4-Dichlorobenzene	12.79	146	70	15.446	ug/l #	24
89) n-Butylbenzene	12.95	91	78	8.620	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.64	75	87	169.900	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.37	180	70	20.550	ug/l #	12
95) Naphthalene	14.44	128	70	9.822	ug/l #	69

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

