

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059847.D
 Acq On : 3 Aug 2018 19:07
 Operator : VA/AP
 Sample : J4278-05
 Misc : 7.33q/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-C

Quant Time: Aug 04 03:17:02 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	5.17	168	61	50.00	ug/l	0.13
34) 1,4-Difluorobenzene	6.08	114	92	50.00	ug/l	0.32
63) Chlorobenzene-d5	10.51	117	89	50.00	ug/l	0.60
72) 1,4-Dichlorobenzene-d4	12.60	152	62	50.00	ug/l	-0.04

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.20	65	89	81.18	ug/l	0.18
Spiked Amount	50.000		Recovery	=	162.36%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.24	98	60	26.93	ug/l	0.54
Spiked Amount	50.000		Recovery	=	53.86%	
62) 4-Bromofluorobenzene	12.13	95	157	127.27	ug/l	0.62
Spiked Amount	50.000		Recovery	=	254.54%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	258	802.41	ug/l #	38
4) Vinyl Chloride	1.16	62	66	184.31	ug/l #	47
5) Bromomethane	1.42	94	60	206.33	ug/l #	4
6) Chloroethane	1.31	64	134	632.95	ug/l #	35
8) Diethyl Ether	1.64	74	76	390.18	ug/l #	1
11) Tert butyl alcohol	2.76	59	131	2979.52	ug/l #	74
14) Allyl chloride	2.22	41	99	131.26	ug/l #	61
15) Acrylonitrile	3.15	53	143	2018.36	ug/l #	7
16) Acetone	2.39	43	86	436.12	ug/l #	68
18) Methyl Acetate	2.51	43	163	585.74	ug/l #	64
19) Methyl tert-butyl Ether	2.60	73	76	52.76	ug/l #	60
20) Methylene Chloride	2.26	84	93	243.81	ug/l #	1
21) trans-1,2-Dichloroethene	2.39	96	76	190.96	ug/l #	1
22) Diisopropyl ether	2.98	45	93	58.31	ug/l #	12
23) Vinyl Acetate	3.43	43	216	263.41	ug/l #	83
24) 1,1-Dichloroethane	3.01	63	88	79.41	ug/l #	91
25) 2-Butanone	4.56	43	75	340.81	ug/l #	74
26) 2,2-Dichloropropane	3.84	77	61	77.22	ug/l #	66
27) cis-1,2-Dichloroethene	3.77	96	74	124.71	ug/l	1
28) Bromochloromethane	3.93	49	69	191.74	ug/l #	15
29) Tetrahydrofuran	4.37	42	62	733.03	ug/l #	39
30) Chloroform	4.10	83	62	39.64	ug/l #	20
31) Cyclohexane	3.95	56	135	269.46	ug/l #	15
32) 1,1,1-Trichloroethane	4.27	97	73	60.18	ug/l #	22
36) 1,1-Dichloropropene	4.73	75	60	65.66	ug/l #	46
37) Ethyl Acetate	4.56	43	75	174.94	ug/l #	19
38) Carbon Tetrachloride	4.41	117	97	66.31	ug/l #	14
39) Methylcyclohexane	5.96	83	70	103.19	ug/l #	13
40) Benzene	5.04	78	78	41.98	ug/l #	52
41) Methacrylonitrile	5.21	41	83	376.73	ug/l #	24
42) 1,2-Dichloroethane	5.22	62	80	61.53	ug/l	85
43) Isopropyl Acetate	7.51	43	165	299.94	ug/l #	46
44) Trichloroethene	6.11	130	71	121.46	ug/l	2
45) 1,2-Dichloropropane	6.78	63	86	175.28	ug/l #	43

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.68	93	83	178.18	ug/l #	8
47) Bromodichloromethane	6.90	83	60	47.30	ug/l #	25
48) Methyl methacrylate	7.27	41	402	971.52	ug/l #	13
51) 4-Methyl-2-Pentanone	8.86	43	132	315.43	ug/l #	42
52) Toluene	8.23	92	63	50.99	ug/l #	1
53) t-1,3-Dichloropropene	8.79	75	91	82.67	ug/l #	41
54) cis-1,3-Dichloropropene	7.96	75	84	78.79	ug/l #	18
55) 1,1,2-Trichloroethane	8.99	97	67	133.15	ug/l #	14
56) Ethyl methacrylate	9.26	69	94	179.13	ug/l #	14
57) 1,3-Dichloropropane	9.36	76	101	117.00	ug/l #	41
58) 2-Chloroethyl Vinyl ether	8.28	63	69	1138.85	ug/l	100
59) 2-Hexanone	10.23	43	153	456.25	ug/l #	30
60) Dibromochloromethane	9.47	129	108	121.64	ug/l #	12
61) 1,2-Dibromoethane	9.56	107	65	110.63	ug/l #	4
65) Chlorobenzene	10.05	112	62	34.82	ug/l #	43
67) Ethyl Benzene	9.88	91	78	25.32	ug/l #	46
68) m/p-Xylenes	10.24	106	77	78.34	ug/l #	1
69) o-Xylene	10.69	106	70	61.67	ug/l #	1
70) Styrene	10.78	104	79	45.94	ug/l #	26
73) Isopropylbenzene	11.10	105	67	16.47	ug/l #	50
74) N-amyl acetate	11.49	43	216	210.46	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.71	83	292	381.31	ug/l #	25
76) 1,2,3-Trichloropropane	11.93	75	90	138.21	ug/l #	44
78) n-propylbenzene	11.81	91	131	29.35	ug/l #	54
79) 2-Chlorotoluene	11.81	91	131	49.91	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.97	105	75	20.38	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.98	75	90	333.74	ug/l #	9
83) tert-Butylbenzene	12.24	119	77	21.08	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.39	105	64	16.51	ug/l #	33
85) sec-Butylbenzene	12.39	105	64	11.22	ug/l #	57
86) p-Isopropyltoluene	12.63	119	111	28.20	ug/l #	49
88) 1,4-Dichlorobenzene	12.80	146	70	38.95	ug/l #	24
89) n-Butylbenzene	12.86	91	85	21.44	ug/l #	29
90) Hexachloroethane	13.12	117	63	61.40	ug/l #	18
91) 1,2-Dichlorobenzene	12.98	146	65	37.18	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	73	389.95	ug/l #	9
95) Naphthalene	14.49	128	76	28.43	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.81	180	62	41.96	ug/l #	13

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

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