

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060411.D
 Acq On : 2 Oct 2018 19:23
 Operator : VA/AP
 Sample : J4780-03
 Misc : 7.12/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Quant Time: Oct 03 02:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.97	168	77	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.66	114	99	50.00	ug/l	-0.08
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.89
72) 1,4-Dichlorobenzene-d4	12.62	152	64	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	181	150.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.44%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.51	98	207	90.37	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	180.74%	
62) 4-Bromofluorobenzene	11.47	95	153	146.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	292.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	102	63.123	ug/l #	43
3) Chloromethane	1.10	50	174	166.413	ug/l #	41
4) Vinyl Chloride	1.12	62	147	135.149	ug/l #	42
5) Bromomethane	1.31	94	89	105.638	ug/l #	3
6) Chloroethane	1.39	64	87	160.284	ug/l #	42
7) Trichlorofluoromethane	1.56	101	72	28.531	ug/l #	18
8) Diethyl Ether	1.64	74	67	193.729	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.79	101	61	50.463	ug/l #	22
11) Tert butyl alcohol	2.60	59	64	878.163	ug/l #	77
12) 1,1-Dichloroethene	1.83	96	257	275.162	ug/l #	25
13) Acrolein	2.17	56	418	7131.863	ug/l	89
14) Allvl chloride	2.12	41	1079	720.976	ug/l #	56
15) Acrylonitrile	3.01	53	67	536.521	ug/l #	14
16) Acetone	2.30	43	1225	5426.768	ug/l #	66
17) Carbon Disulfide	1.86	76	156	55.158	ug/l #	68
18) Methyl Acetate	2.41	43	647	1479.619	ug/l #	57
19) Methyl tert-butyl Ether	2.54	73	249	109.455	ug/l #	57
20) Methylene Chloride	2.24	84	103	125.540	ug/l #	1
21) trans-1,2-Dichloroethene	2.38	96	114	122.211	ug/l #	1
22) Diisopropyl ether	2.89	45	166	61.108	ug/l #	80
23) Vinyl Acetate	3.29	43	304	281.722	ug/l #	81
24) 1,1-Dichloroethane	3.03	63	230	125.204	ug/l #	90
25) 2-Butanone	4.44	43	536	1718.053	ug/l #	60
26) 2,2-Dichloropropane	3.70	77	88	84.580	ug/l #	61
27) cis-1,2-Dichloroethene	3.57	96	121	116.016	ug/l	1
28) Bromochloromethane	3.83	49	211	311.657	ug/l #	10
29) Tetrahydrofuran	4.17	42	282	2439.667	ug/l #	34
30) Chloroform	4.01	83	90	39.705	ug/l #	15
31) Cyclohexane	3.78	56	141	106.891	ug/l #	19
32) 1,1,1-Trichloroethane	4.24	97	62	32.870	ug/l #	23
36) 1,1-Dichloropropene	4.38	75	61	49.976	ug/l #	45
37) Ethyl Acetate	4.21	43	406	868.610	ug/l #	1
38) Carbon Tetrachloride	4.05	117	61	41.057	ug/l #	13
39) Methylcyclohexane	5.53	83	71	59.335	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.72	78	68	28.063	ug/l #	51
41) Methacrylonitrile	4.81	41	199	802.961	ug/l #	4
43) Isopropyl Acetate	6.97	43	231	408.952	ug/l #	44
44) Trichloroethene	5.47	130	68	87.461	ug/l	1
45) 1,2-Dichloropropane	6.34	63	69	106.927	ug/l #	46
46) Dibromomethane	6.20	93	61	117.574	ug/l #	9
47) Bromodichloromethane	6.42	83	243	189.113	ug/l #	23
48) Methyl methacrylate	6.77	41	821	2024.792	ug/l #	42
49) 1,4-Dioxane	7.04	88	90	25743.096	ug/l #	22
51) 4-Methyl-2-Pentanone	8.24	43	209	519.783	ug/l #	39
52) Toluene	7.50	92	151	91.747	ug/l #	1
53) t-1,3-Dichloropropene	8.24	75	90	89.374	ug/l #	44
54) cis-1,3-Dichloropropene	7.26	75	64	54.380	ug/l #	7
55) 1,1,2-Trichloroethane	8.50	97	75	143.766	ug/l #	6
56) Ethyl methacrylate	8.59	69	61	102.902	ug/l #	1
57) 1,3-Dichloropropane	8.83	76	63	71.384	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.65	63	92	1519.365	ug/l	100
59) 2-Hexanone	9.40	43	439	1488.497	ug/l	80
60) Dibromochloromethane	8.61	129	76	96.757	ug/l #	11
61) 1,2-Dibromoethane	9.00	107	76	133.139	ug/l #	4
73) Isopropylbenzene	11.21	105	71	14.090	ug/l #	51
74) N-amyl acetate	11.45	43	220	190.225	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.67	83	153	166.536	ug/l #	22
76) 1,2,3-Trichloropropane	11.94	75	137	202.556	ug/l #	1
77) Bromobenzene	11.54	156	68	60.367	ug/l #	29
78) n-propylbenzene	11.67	91	176	28.810	ug/l #	55
79) 2-Chlorotoluene	11.86	91	209	58.486	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.76	105	67	15.649	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.94	75	137	456.946	ug/l #	64
82) 4-Chlorotoluene	11.91	91	105	28.717	ug/l #	43
83) tert-Butylbenzene	12.32	119	105	24.865	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.23	105	85	20.019	ug/l #	30
85) sec-Butylbenzene	12.34	105	64	10.980	ug/l #	58
86) p-Isopropyltoluene	12.65	119	60	12.600	ug/l #	49
89) n-Butylbenzene	12.90	91	96	19.051	ug/l #	28
90) Hexachloroethane	12.98	117	316	256.750	ug/l #	27
91) 1,2-Dichlorobenzene	13.02	146	74	36.436	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.63	75	70	393.027	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.40	180	75	49.407	ug/l #	10
94) Hexachlorobutadiene	14.25	225	77	72.677	ug/l #	17
95) Naphthalene	14.51	128	117	43.108	ug/l #	70

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

