

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060293.D
 Acq On : 19 Sep 2018 21:50
 Operator : VA/AP
 Sample : J4778-01RE
 Misc : 7.12/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SA-01-091918RE

Quant Time: Sep 20 04:17:14 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	5.13	168	137	50.00	ug/l	0.09
34) 1,4-Difluorobenzene	5.95	114	72	50.00	ug/l	0.19
63) Chlorobenzene-d5	10.29	117	63	50.00	ug/l	0.38
72) 1,4-Dichlorobenzene-d4	12.65	152	61	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.15	65	63	34.15	ug/l	0.14
Spiked Amount	50.000		Recovery	=	68.30%	
35) Dibromofluoromethane	4.48	113	141	219.69	ug/l	0.19
Spiked Amount	50.000		Recovery	=	439.38%	
50) Toluene-d8	7.98	98	60	35.90	ug/l	0.27
Spiked Amount	50.000		Recovery	=	71.80%	
62) 4-Bromofluorobenzene	11.91	95	60	83.04	ug/l	0.41
Spiked Amount	50.000		Recovery	=	166.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	80	37.40	ug/l #	40
3) Chloromethane	1.18	50	129	69.10	ug/l #	42
4) Vinyl Chloride	1.25	62	72	37.84	ug/l #	43
5) Bromomethane	1.24	94	75	73.13	ug/l	84
6) Chloroethane	1.51	64	99	109.25	ug/l #	42
8) Diethyl Ether	1.66	74	178	301.83	ug/l	92
10) Methyl Iodide	1.99	142	60	19.74	ug/l #	36
11) Tert butyl alcohol	2.76	59	72	731.53	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	179	114.81	ug/l #	1
13) Acrolein	2.11	56	626	5357.63	ug/l	87
14) Allyl chloride	2.26	41	493	181.21	ug/l #	49
15) Acrylonitrile	3.10	53	132	506.64	ug/l #	14
16) Acetone	2.20	43	1089	2096.16	ug/l	98
17) Carbon Disulfide	1.96	76	74	13.93	ug/l #	70
18) Methyl Acetate	2.54	43	1290	1490.51	ug/l #	62
19) Methyl tert-butyl Ether	2.56	73	263	67.67	ug/l #	14
20) Methylene Chloride	2.26	84	251	201.38	ug/l #	23
21) trans-1,2-Dichloroethene	2.43	96	195	121.10	ug/l #	1
22) Diisopropyl ether	2.95	45	276	53.77	ug/l #	18
23) Vinyl Acetate	3.38	43	878	435.51	ug/l #	79
24) 1,1-Dichloroethane	3.05	63	62	18.62	ug/l #	89
25) 2-Butanone	4.57	43	441	630.66	ug/l	93
26) 2,2-Dichloropropane	3.80	77	224	117.93	ug/l #	58
27) cis-1,2-Dichloroethene	3.69	96	179	84.62	ug/l	1
28) Bromochloromethane	3.80	49	131	101.07	ug/l #	8
29) Tetrahydrofuran	4.33	42	418	1632.33	ug/l #	61
30) Chloroform	4.17	83	231	57.51	ug/l #	15
31) Cyclohexane	3.90	56	267	94.95	ug/l #	15
32) 1,1,1-Trichloroethane	4.39	97	219	69.10	ug/l #	21
36) 1,1-Dichloropropene	4.56	75	66	73.49	ug/l #	1
37) Ethyl Acetate	4.45	43	370	973.66	ug/l #	1
38) Carbon Tetrachloride	4.23	117	98	101.59	ug/l #	14
39) Methylcyclohexane	5.81	83	64	65.75	ug/l #	1
40) Benzene	4.95	78	177	86.92	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.09	41	583	2827.33	ug/l #	49
42) 1,2-Dichloroethane	5.35	62	110	146.75	ug/l	79
43) Isopropyl Acetate	7.32	43	160	349.74	ug/l #	48
45) 1,2-Dichloropropane	6.54	63	109	206.82	ug/l #	42
46) Dibromomethane	6.46	93	147	390.20	ug/l #	5
47) Bromodichloromethane	6.74	83	203	224.23	ug/l #	26
48) Methyl methacrylate	7.08	41	512	1594.33	ug/l #	56
49) 1,4-Dioxane	7.12	88	94	32763.64	ug/l #	6
51) 4-Methyl-2-Pentanone	8.66	43	284	805.45	ug/l #	35
52) Toluene	8.08	92	67	52.01	ug/l #	1
53) t-1,3-Dichloropropene	8.72	75	59	80.79	ug/l #	42
54) cis-1,3-Dichloropropene	7.71	75	88	95.66	ug/l #	1
55) 1,1,2-Trichloroethane	8.96	97	181	462.90	ug/l #	17
56) Ethyl methacrylate	9.02	69	137	290.11	ug/l #	64
57) 1,3-Dichloropropane	9.26	76	60	92.67	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.01	63	190	4551.23	ug/l	100
59) 2-Hexanone	10.05	43	128	509.85	ug/l	77
60) Dibromochloromethane	9.22	129	67	114.97	ug/l #	13
61) 1,2-Dibromoethane	9.41	107	99	227.37	ug/l #	4
64) Tetrachloroethene	8.32	164	117	204.86	ug/l #	1
65) Chlorobenzene	9.82	112	60	42.02	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	73	123.19	ug/l #	6
67) Ethyl Benzene	10.02	91	66	25.00	ug/l #	46
70) Styrene	10.85	104	62	42.97	ug/l #	31
73) Isopropylbenzene	11.32	105	60	10.96	ug/l #	51
74) N-amyl acetate	11.47	43	380	325.41	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.79	83	163	167.96	ug/l #	27
76) 1,2,3-Trichloropropane	11.96	75	63	90.66	ug/l #	1
77) Bromobenzene	11.42	156	66	55.92	ug/l #	1
78) n-propylbenzene	11.71	91	122	17.12	ug/l #	57
79) 2-Chlorotoluene	11.80	91	261	70.66	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.87	105	75	17.01	ug/l #	53
81) trans-1,4-Dichloro-2-buten	11.96	75	63	171.56	ug/l #	51
82) 4-Chlorotoluene	11.96	91	240	64.64	ug/l #	17
83) tert-Butylbenzene	12.19	119	75	16.78	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.20	105	69	15.42	ug/l #	31
85) sec-Butylbenzene	12.48	105	207	37.73	ug/l #	58
86) p-Isopropyltoluene	12.55	119	59	7.45	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	70	31.74	ug/l #	51
88) 1,4-Dichlorobenzene	12.71	146	73	33.49	ug/l #	1
89) n-Butylbenzene	12.91	91	83	13.84	ug/l #	28
91) 1,2-Dichlorobenzene	13.02	146	63	29.95	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	169	927.49	ug/l #	26
94) Hexachlorobutadiene	14.36	225	87	84.17	ug/l #	19
95) Naphthalene	14.50	128	322	120.11	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.51	180	69	48.84	ug/l #	12

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

