

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056663.D
 Acq On : 23 Feb 2018 18:45
 Operator : JC/SY
 Sample : J1672-03
 Misc : 4.94g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 72-11982

Quant Time: Feb 24 00:49:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.75	168	86	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.17	114	64	50.00	ug/l	-0.34
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.69
72) 1,4-Dichlorobenzene-d4	12.45	152	78	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.69	65	166	159.66	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	319.32%	
35) Dibromofluoromethane	3.84	113	61	126.73	ug/l	-0.18
Spiked Amount	50.000		Recovery	=	253.46%	
50) Toluene-d8	7.04	98	61	42.28	ug/l	-0.43
Spiked Amount	50.000		Recovery	=	84.56%	
62) 4-Bromofluorobenzene	10.71	95	63	95.99	ug/l	-0.62
Spiked Amount	50.000		Recovery	=	191.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.76	85	64	73.79	ug/l #	45
3) Chloromethane	1.02	50	77	79.60	ug/l #	11
4) Vinyl Chloride	1.01	62	63	91.67	ug/l #	42
5) Bromomethane	1.18	94	66	171.73	ug/l #	1
6) Chloroethane	1.33	64	62	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	1.77	101	79	130.19	ug/l #	19
10) Methyl Iodide	1.72	142	69	61.00	ug/l #	33
11) Tert butyl alcohol	2.35	59	104	1482.02	ug/l #	67
12) 1,1-Dichloroethene	1.62	96	60	107.35	ug/l #	1
13) Acrolein	1.90	56	63	838.66	ug/l #	13
14) Allyl chloride	2.05	41	76	79.10	ug/l #	76
15) Acrylonitrile	2.87	53	69	390.19	ug/l #	15
16) Acetone	2.16	43	153	500.04	ug/l #	59
17) Carbon Disulfide	1.86	76	101	69.30	ug/l #	69
18) Methyl Acetate	2.26	43	215	378.97	ug/l #	64
19) Methyl tert-butyl Ether	2.35	73	106	64.13	ug/l #	55
20) Methylene Chloride	2.11	84	99	169.97	ug/l #	46
21) trans-1,2-Dichloroethene	2.31	96	78	132.45	ug/l #	1
22) Diisopropyl ether	2.72	45	209	97.04	ug/l #	43
23) Vinyl Acetate	3.11	43	394	224.83	ug/l #	77
24) 1,1-Dichloroethane	2.87	63	66	55.48	ug/l #	88
25) 2-Butanone	4.25	43	108	198.49	ug/l #	56
26) 2,2-Dichloropropane	3.53	77	62	94.16	ug/l #	57
27) cis-1,2-Dichloroethene	3.35	96	59	59.64	ug/l	34
28) Bromochloromethane	3.71	49	85	152.61	ug/l	90
29) Tetrahydrofuran	4.00	42	61	242.13	ug/l #	34
30) Chloroform	3.65	83	75	44.05	ug/l #	18
31) Cyclohexane	3.63	56	87	68.09	ug/l #	20
32) 1,1,1-Trichloroethane	3.91	97	66	63.98	ug/l #	22
36) 1,1-Dichloropropene	3.94	75	94	155.98	ug/l #	43
37) Ethyl Acetate	3.68	43	268	497.35	ug/l #	31
38) Carbon Tetrachloride	3.72	117	178	396.79	ug/l #	9
39) Methylcyclohexane	5.05	83	60	92.06	ug/l #	15
40) Benzene	4.30	78	80	52.35	ug/l #	52

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

41) Methacrylonitrile	4.33	41	64	244.71	ug/l #	24
42) 1,2-Dichloroethane	4.61	62	122	205.37	ug/l	76
43) Isopropyl Acetate	6.47	43	373	564.64	ug/l #	42
44) Trichloroethene	5.12	130	94	209.61	ug/l	1
46) Dibromomethane	5.56	93	63	188.06	ug/l #	5
47) Bromodichloromethane	5.76	83	62	100.15	ug/l #	24
48) Methyl methacrylate	6.23	41	98	253.18	ug/l #	17
49) 1,4-Dioxane	5.96	88	98	24560.60	ug/l #	26
51) 4-Methyl-2-Pentanone	7.68	43	69	152.70	ug/l #	36
53) t-1,3-Dichloropropene	7.70	75	124	198.86	ug/l #	43
54) cis-1,3-Dichloropropene	6.77	75	96	132.31	ug/l #	29
56) Ethyl methacrylate	8.00	69	92	174.73	ug/l #	76
57) 1,3-Dichloropropane	8.32	76	68	96.99	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.07	63	140	1955.75	ug/l	100
59) 2-Hexanone	8.80	43	92	250.85	ug/l #	25
61) 1,2-Dibromoethane	8.25	107	143	306.29	ug/l #	1
73) Isopropylbenzene	11.07	105	124	24.14	ug/l #	49
74) N-amyl acetate	11.31	43	115	50.04	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.51	83	71	45.68	ug/l #	25
76) 1,2,3-Trichloropropane	11.74	75	79	66.24	ug/l #	43
78) n-propylbenzene	11.36	91	64	10.11	ug/l #	55
81) trans-1,4-Dichloro-2-buten	11.78	75	63	96.42	ug/l #	20
82) 4-Chlorotoluene	11.92	91	85	20.96	ug/l #	40
83) tert-Butylbenzene	12.16	119	62	15.04	ug/l #	30
86) p-Isopropyltoluene	12.36	119	66	14.48	ug/l #	49
87) 1,3-Dichlorobenzene	12.38	146	69	26.92	ug/l #	24
88) 1,4-Dichlorobenzene	12.38	146	69	28.04	ug/l #	23
89) n-Butylbenzene	12.80	91	62	9.05	ug/l #	28
91) 1,2-Dichlorobenzene	12.70	146	60	24.40	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.67	75	66	227.92	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	80	47.92	ug/l #	11
95) Naphthalene	14.38	128	60	14.29	ug/l #	69

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

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