

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056662.D
 Acq On : 23 Feb 2018 18:17
 Operator : JC/SY
 Sample : J1672-02
 Misc : 3.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 72-11977

Quant Time: Feb 24 00:48:39 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	4.81	168	2703	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.56	114	2332	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.76	117	184	50.00	ug/l	0.07
72) 1,4-Dichlorobenzene-d4	12.45	152	141	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	61	1.87	ug/l	0.07
Spiked Amount	50.000		Recovery	=	3.74%	
35) Dibromofluoromethane	4.03	113	346	19.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	39.46%	
50) Toluene-d8	7.49	98	2128	40.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	80.96%	
62) 4-Bromofluorobenzene	11.43	95	114	4.77	ug/l	0.09
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.82	85	73	2.68	ug/l #	45
3) Chloromethane	1.04	50	274	9.01	ug/l #	1
4) Vinyl Chloride	1.21	62	69	3.19	ug/l #	42
5) Bromomethane	1.22	94	166	13.74	ug/l #	1
6) Chloroethane	1.41	64	118	13.34	ug/l #	43
7) Trichlorofluoromethane	1.35	101	86	3.82	ug/l #	18
8) Diethyl Ether	1.51	74	70	8.66	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.62	101	63	3.30	ug/l #	19
11) Tert butyl alcohol	2.43	59	67	30.38	ug/l #	67
13) Acrolein	2.00	56	60	25.41	ug/l #	13
14) Allyl chloride	2.09	41	157	5.20	ug/l #	10
15) Acrylonitrile	2.92	53	116	20.87	ug/l #	15
16) Acetone	2.17	43	82	8.53	ug/l #	59
17) Carbon Disulfide	1.77	76	121	2.64	ug/l #	69
19) Methyl tert-butyl Ether	2.43	73	70	1.35	ug/l #	55
20) Methylene Chloride	2.14	84	88	4.81	ug/l #	1
22) Diisopropyl ether	2.77	45	69	1.02	ug/l #	16
23) Vinyl Acetate	3.12	43	95	1.72	ug/l #	77
24) 1,1-Dichloroethane	2.83	63	65	1.74	ug/l #	88
25) 2-Butanone	4.32	43	298	17.43	ug/l #	56
26) 2,2-Dichloropropane	3.47	77	74	3.58	ug/l #	57
27) cis-1,2-Dichloroethene	3.53	96	82	2.64	ug/l	1
28) Bromochloromethane	3.66	49	73	Below	Cal #	10
29) Tetrahydrofuran	3.98	42	178	22.48	ug/l #	34
31) Cyclohexane	3.67	56	274	6.82	ug/l #	20
36) 1,1-Dichloropropene	4.15	75	125	5.69	ug/l #	1
37) Ethyl Acetate	4.04	43	84	4.28	ug/l #	31
39) Methylcyclohexane	5.33	83	86	3.62	ug/l #	15
40) Benzene	4.52	78	76	1.36	ug/l #	1
41) Methacrylonitrile	4.66	41	185	19.41	ug/l #	24
42) 1,2-Dichloroethane	4.94	62	82	3.79	ug/l	76
43) Isopropyl Acetate	6.90	43	205	8.52	ug/l #	1
45) 1,2-Dichloropropane	6.16	63	63	3.97	ug/l #	43
46) Dibromomethane	5.88	93	74	6.06	ug/l #	5

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

47) Bromodichloromethane	6.33	83	61	2.70	ug/l #	24
48) Methyl methacrylate	6.65	41	67	4.75	ug/l #	17
49) 1,4-Dioxane	6.74	88	63	433.32	ug/l #	26
51) 4-Methyl-2-Pentanone	8.13	43	144	8.75	ug/l #	36
52) Toluene	7.58	92	73	1.97	ug/l #	1
53) t-1,3-Dichloropropene	8.28	75	90	3.96	ug/l #	43
54) cis-1,3-Dichloropropene	7.24	75	85	3.22	ug/l #	29
55) 1,1,2-Trichloroethane	8.46	97	64	4.36	ug/l #	13
56) Ethyl methacrylate	8.65	69	61	3.18	ug/l #	24
58) 2-Chloroethyl Vinyl ether	7.64	63	73	27.99	ug/l	100
59) 2-Hexanone	9.47	43	76	5.69	ug/l #	25
64) Tetrachloroethene	8.00	164	62	46.82	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	9.78	131	99	79.66	ug/l #	7
67) Ethyl Benzene	9.66	91	61	9.92	ug/l #	46
68) m/p-Xylenes	10.18	106	60	26.68	ug/l #	1
71) Bromoform	10.69	173	86	86.46	ug/l #	36
74) N-amyl acetate	11.34	43	363	87.37	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.62	83	80	28.47	ug/l #	25
76) 1,2,3-Trichloropropane	11.75	75	81	37.57	ug/l #	43
78) n-propylbenzene	11.56	91	173	15.12	ug/l #	55
79) 2-Chlorotoluene	11.56	91	173	25.68	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.75	75	81	68.58	ug/l #	20
82) 4-Chlorotoluene	11.82	91	59	8.05	ug/l #	40
83) tert-Butylbenzene	12.02	119	132	17.71	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.10	105	72	8.97	ug/l #	30
85) sec-Butylbenzene	12.10	105	72	7.02	ug/l #	59
89) n-Butylbenzene	12.82	91	132	12.03	ug/l #	28
90) Hexachloroethane	12.97	117	208	131.37	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.44	75	62	118.44	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.96	180	64	21.21	ug/l #	11
95) Naphthalene	14.36	128	160	21.08	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.54	180	65	22.30	ug/l #	11

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

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