

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056656.D
 Acq On : 23 Feb 2018 15:11
 Operator : JC/SY
 Sample : J1398-05
 Misc : 6.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-022218

Quant Time: Feb 24 00:47:13 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	4.83	168	72	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.51	114	541	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.74	117	63	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.56	152	140	50.00	ug/l	0.08

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.79	65	64	73.53	ug/l	0.03
Spiked Amount	50.000		Recovery	=	147.06%	
35) Dibromofluoromethane	4.11	113	179	43.99	ug/l	0.09
Spiked Amount	50.000		Recovery	=	87.98%	
50) Toluene-d8	7.48	98	138	11.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.62%	
62) 4-Bromofluorobenzene	11.32	95	75	13.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	27.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.80	85	104	143.22	ug/l #	45
3) Chloromethane	1.03	50	459	566.79	ug/l #	42
4) Vinyl Chloride	1.10	62	63	109.49	ug/l #	42
5) Bromomethane	1.28	94	66	205.13	ug/l #	1
6) Chloroethane	1.36	64	61	Below	Cal #	43
7) Trichlorofluoromethane	1.49	101	64	106.69	ug/l #	60
8) Diethyl Ether	1.47	74	72	334.53	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	1.83	101	76	149.60	ug/l #	32
10) Methyl Iodide	1.75	142	70	73.92	ug/l #	33
11) Tert butyl alcohol	2.57	59	183	3114.85	ug/l #	67
12) 1,1-Dichloroethene	1.60	96	99	211.57	ug/l #	1
13) Acrolein	2.05	56	63	1001.74	ug/l #	13
14) Allyl chloride	2.05	41	147	182.75	ug/l #	10
15) Acrylonitrile	2.94	53	68	459.30	ug/l #	15
16) Acetone	2.19	43	99	386.47	ug/l #	59
17) Carbon Disulfide	1.85	76	60	49.18	ug/l #	69
18) Methyl Acetate	2.33	43	72	149.26	ug/l #	64
19) Methyl tert-butyl Ether	2.39	73	116	83.83	ug/l #	55
20) Methylene Chloride	2.10	84	88	180.46	ug/l #	1
21) trans-1,2-Dichloroethene	2.27	96	64	129.81	ug/l #	1
22) Diisopropyl ether	2.74	45	104	57.68	ug/l #	28
23) Vinyl Acetate	3.12	43	158	107.69	ug/l #	77
24) 1,1-Dichloroethane	2.81	63	135	135.54	ug/l #	88
25) 2-Butanone	4.33	43	296	649.79	ug/l #	56
26) 2,2-Dichloropropane	3.49	77	74	134.24	ug/l #	57
28) Bromochloromethane	3.61	49	85	183.49	ug/l #	10
29) Tetrahydrofuran	4.04	42	319	1512.40	ug/l #	50
30) Chloroform	3.84	83	77	54.02	ug/l #	18
31) Cyclohexane	3.62	56	60	56.09	ug/l #	20
32) 1,1,1-Trichloroethane	3.99	97	64	74.10	ug/l #	22
36) 1,1-Dichloropropene	4.17	75	63	12.37	ug/l #	43
37) Ethyl Acetate	4.02	43	242	53.13	ug/l #	31
39) Methylcyclohexane	5.25	83	59	10.71	ug/l #	49
40) Benzene	4.64	78	73	5.65	ug/l #	52

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

41) Methacrylonitrile	4.63	41	156	70.56	ug/l #	24
42) 1,2-Dichloroethane	4.97	62	130	25.89	ug/l	76
43) Isopropyl Acetate	6.86	43	111	19.88	ug/l #	42
44) Trichloroethene	5.49	130	73	19.26	ug/l	1
45) 1,2-Dichloropropane	6.11	63	62	16.85	ug/l #	43
46) Dibromomethane	5.97	93	67	23.66	ug/l #	5
48) Methyl methacrylate	6.62	41	60	18.34	ug/l #	17
49) 1,4-Dioxane	6.55	88	62	1838.18	ug/l #	26
51) 4-Methyl-2-Pentanone	8.19	43	85	22.25	ug/l #	36
53) t-1,3-Dichloropropene	8.21	75	71	13.47	ug/l #	43
54) cis-1,3-Dichloropropene	7.16	75	76	12.39	ug/l #	29
55) 1,1,2-Trichloroethane	8.37	97	64	18.78	ug/l #	13
56) Ethyl methacrylate	8.45	69	105	23.59	ug/l #	76
57) 1,3-Dichloropropane	8.77	76	66	11.14	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.44	63	64	105.77	ug/l	100
59) 2-Hexanone	9.43	43	186	60.00	ug/l #	25
60) Dibromochloromethane	8.63	129	135	32.67	ug/l #	9
61) 1,2-Dibromoethane	8.88	107	82	20.78	ug/l #	1
64) Tetrachloroethene	8.07	164	60	132.33	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	9.70	131	128	300.80	ug/l #	7
67) Ethyl Benzene	9.96	91	62	29.45	ug/l #	46
69) o-Xylene	10.76	106	60	75.07	ug/l #	1
70) Styrene	10.77	104	98	77.37	ug/l #	27
71) Bromoform	10.79	173	66	193.79	ug/l #	36
73) Isopropylbenzene	10.95	105	82	8.89	ug/l #	49
74) N-amyl acetate	11.36	43	88	21.33	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.56	83	64	22.94	ug/l #	25
76) 1,2,3-Trichloropropane	11.73	75	61	28.50	ug/l #	1
77) Bromobenzene	11.42	156	66	26.38	ug/l #	1
78) n-propylbenzene	11.51	91	232	20.42	ug/l #	55
79) 2-Chlorotoluene	11.65	91	279	41.70	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.73	105	216	28.27	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.73	75	61	52.02	ug/l #	20
82) 4-Chlorotoluene	11.80	91	179	24.60	ug/l #	40
83) tert-Butylbenzene	12.08	119	60	8.11	ug/l #	35
84) 1,2,4-Trimethylbenzene	12.14	105	148	18.57	ug/l #	30
85) sec-Butylbenzene	12.24	105	166	16.30	ug/l #	59
86) p-Isopropyltoluene	12.42	119	206	25.19	ug/l #	49
87) 1,3-Dichlorobenzene	12.40	146	66	14.35	ug/l #	24
88) 1,4-Dichlorobenzene	12.51	146	60	13.58	ug/l #	23
89) n-Butylbenzene	12.78	91	95	6.60	ug/l #	28
90) Hexachloroethane	12.83	117	149	94.78	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.70	75	62	119.29	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.08	180	92	30.70	ug/l #	11
95) Naphthalene	14.38	128	434	57.58	ug/l #	64
96) 1,2,3-Trichlorobenzene	14.54	180	128	44.22	ug/l #	11

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

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