

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060549.D
 Acq On : 30 Oct 2018 17:17
 Operator : VA/AP
 Sample : J5711-02
 Misc : 6.98/5mL/MSVOA_F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

Quant Time: Oct 31 04:52:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	360	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	99	50.00	ug/l	-0.02
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	12.69	152	82	50.00	ug/l	0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	200	36.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.04%	
35) Dibromofluoromethane	4.29	113	79	83.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	166.32%	
50) Toluene-d8	7.72	98	74	31.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	63.80%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	98	12.65	ug/l #	41
3) Chloromethane	1.12	50	90	22.61	ug/l #	1
4) Vinyl Chloride	1.20	62	93	21.55	ug/l #	43
5) Bromomethane	1.35	94	70	20.64	ug/l	96
6) Chloroethane	1.46	64	75	33.37	ug/l #	41
7) Trichlorofluoromethane	1.66	101	61	5.87	ug/l #	18
8) Diethyl Ether	1.85	74	74	56.74	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.72	101	87	18.24	ug/l #	22
11) Tert butyl alcohol	2.56	59	69	312.71	ug/l #	71
12) 1,1-Dichloroethene	1.86	96	60	14.83	ug/l #	1
13) Acrolein	1.97	56	65	323.01	ug/l #	54
14) Allyl chloride	2.21	41	469	72.91	ug/l #	77
15) Acrylonitrile	3.04	53	109	196.31	ug/l #	13
16) Acetone	2.33	43	175	160.41	ug/l #	62
17) Carbon Disulfide	1.86	76	89	7.83	ug/l #	73
18) Methyl Acetate	2.43	43	67	39.95	ug/l #	61
19) Methyl tert-butyl Ether	2.56	73	135	14.89	ug/l #	59
20) Methylene Chloride	2.34	84	164	44.67	ug/l #	1
22) Diisopropyl ether	2.94	45	82	7.02	ug/l #	40
23) Vinyl Acetate	3.31	43	305	70.37	ug/l #	78
24) 1,1-Dichloroethane	3.14	63	72	8.54	ug/l #	90
25) 2-Butanone	4.46	43	461	367.36	ug/l #	54
26) 2,2-Dichloropropane	3.77	77	163	31.11	ug/l #	61
27) cis-1,2-Dichloroethene	3.72	96	86	17.24	ug/l	1
28) Bromochloromethane	3.94	49	199	65.52	ug/l #	10
29) Tetrahydrofuran	4.28	42	104	222.60	ug/l #	34
30) Chloroform	4.13	83	80	7.51	ug/l	94
31) Cyclohexane	3.87	56	146	24.25	ug/l #	14
32) 1,1,1-Trichloroethane	4.34	97	60	6.82	ug/l #	23
36) 1,1-Dichloropropene	4.37	75	68	55.13	ug/l #	44
37) Ethyl Acetate	4.29	43	175	438.24	ug/l #	1
39) Methylcyclohexane	5.62	83	69	55.39	ug/l #	15
40) Benzene	4.77	78	196	80.12	ug/l #	52
41) Methacrylonitrile	4.91	41	216	946.28	ug/l #	54

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

42) 1,2-Dichloroethane	5.06	62	218	191.90	ug/l	78
43) Isopropyl Acetate	7.09	43	120	248.27	ug/l #	43
44) Trichloroethene	5.60	130	233	294.63	ug/l	42
45) 1,2-Dichloropropane	6.39	63	168	275.18	ug/l #	42
46) Dibromomethane	6.35	93	60	125.15	ug/l #	9
47) Bromodichloromethane	6.54	83	118	95.92	ug/l #	24
48) Methyl methacrylate	6.90	41	142	425.92	ug/l #	14
49) 1,4-Dioxane	6.87	88	76	24505.15	ug/l #	50
51) 4-Methyl-2-Pentanone	8.47	43	139	397.01	ug/l #	35
53) t-1,3-Dichloropropene	8.37	75	128	133.20	ug/l #	44
54) cis-1,3-Dichloropropene	7.36	75	66	57.95	ug/l #	26
55) 1,1,2-Trichloroethane	8.67	97	83	174.42	ug/l #	15
56) Ethyl methacrylate	8.75	69	146	273.43	ug/l #	22
58) 2-Chloroethyl Vinyl ether	7.73	63	72	1308.33	ug/l	100
59) 2-Hexanone	9.62	43	83	332.34	ug/l #	29
60) Dibromochloromethane	8.93	129	83	108.27	ug/l #	10
61) 1,2-Dibromoethane	9.09	107	60	108.90	ug/l #	70
73) Isopropylbenzene	11.25	105	66	10.53	ug/l #	51
74) N-amyl acetate	11.44	43	297	236.60	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.76	83	102	97.52	ug/l #	9
76) 1,2,3-Trichloropropane	11.86	75	77	97.86	ug/l #	41
77) Bromobenzene	11.57	156	85	61.63	ug/l #	1
78) n-propylbenzene	11.66	91	241	32.42	ug/l #	55
79) 2-Chlorotoluene	11.76	91	67	15.06	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.77	105	149	27.51	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.04	75	77	224.05	ug/l #	57
82) 4-Chlorotoluene	11.96	91	75	16.26	ug/l #	44
83) tert-Butylbenzene	12.21	119	62	11.81	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.31	105	77	14.00	ug/l #	32
85) sec-Butylbenzene	12.31	105	77	10.47	ug/l #	58
86) p-Isopropyltoluene	12.40	119	62	10.27	ug/l #	48
87) 1,3-Dichlorobenzene	12.59	146	83	30.15	ug/l #	23
88) 1,4-Dichlorobenzene	12.69	146	78	30.02	ug/l #	22
89) n-Butylbenzene	13.01	91	73	7.41	ug/l #	28
90) Hexachloroethane	12.99	117	79	50.70	ug/l #	23
91) 1,2-Dichlorobenzene	13.01	146	62	23.91	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.83	75	96	442.65	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.20	180	61	31.40	ug/l #	12
94) Hexachlorobutadiene	14.26	225	60	43.62	ug/l #	20
95) Naphthalene	14.43	128	80	23.28	ug/l #	69

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

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