

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060891.D
 Acq On : 3 Dec 2018 15:04
 Operator : VA/AP
 Sample : J5771-07
 Misc : 6.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-A

Quant Time: Dec 04 03:09:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	2596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	3155	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	2287	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	879	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	575	18.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.60%	
35) Dibromofluoromethane	4.14	113	640	25.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.14%	
50) Toluene-d8	7.58	98	2661	36.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	72.18%	
62) 4-Bromofluorobenzene	11.43	95	797	23.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.56%	

Target Compounds					Qvalue
3) Chloromethane	1.08	50	71	2.811	ug/l # 41
4) Vinyl Chloride	1.27	62	131	5.560	ug/l # 42
5) Bromomethane	1.34	94	724	43.580	ug/l # 2
6) Chloroethane	1.31	64	65	6.382	ug/l # 40
7) Trichlorofluoromethane	1.48	101	67	1.325	ug/l # 15
8) Diethyl Ether	1.52	74	111	15.270	ug/l # 1
11) Tert butyl alcohol	2.46	59	65	51.850	ug/l # 62
12) 1,1-Dichloroethene	1.81	96	66	3.211	ug/l # 1
13) Acrolein	1.89	56	329	276.991	ug/l # 92
14) Allyl chloride	2.12	41	662	25.839	ug/l # 66
15) Acrylonitrile	2.98	53	365	129.869	ug/l # 19
16) Acetone	2.24	43	1304	231.228	ug/l # 98
17) Carbon Disulfide	1.76	76	70	1.270	ug/l # 1
18) Methyl Acetate	2.35	43	1112	119.839	ug/l # 97
19) Methyl tert-butyl Ether	2.45	73	273	5.897	ug/l # 1
20) Methylene Chloride	2.20	84	197	9.522	ug/l # 49
21) trans-1,2-Dichloroethene	2.32	96	145	7.317	ug/l # 1
22) Diisopropyl ether	2.79	45	632	9.062	ug/l # 11
23) Vinyl Acetate	3.24	43	1387	43.510	ug/l # 80
24) 1,1-Dichloroethane	2.92	63	148	3.567	ug/l # 86
25) 2-Butanone	4.37	43	654	67.048	ug/l # 57
26) 2,2-Dichloropropane	3.57	77	75	2.788	ug/l # 60
27) cis-1,2-Dichloroethene	3.48	96	60	1.860	ug/l # 1
29) Tetrahydrofuran	4.12	42	91	22.009	ug/l # 37
30) Chloroform	4.01	83	65	1.018	ug/l # 17
31) Cyclohexane	3.71	56	170	3.948	ug/l # 15
32) 1,1,1-Trichloroethane	3.98	97	83	1.874	ug/l # 22
36) 1,1-Dichloropropene	4.30	75	63	1.800	ug/l # 44
37) Ethyl Acetate	4.13	43	320	22.502	ug/l # 14
40) Benzene	4.71	78	141	1.824	ug/l # 52
41) Methacrylonitrile	4.80	41	326	43.795	ug/l # 38
43) Isopropyl Acetate	6.98	43	194	8.817	ug/l # 49
47) Bromodichloromethane	6.42	83	70	1.935	ug/l # 25
48) Methyl methacrylate	6.78	41	168	13.051	ug/l # 53

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

51) 4-Methyl-2-Pentanone	8.27	43	267	20.360	ug/l #	38
54) cis-1,3-Dichloropropene	7.43	75	73	2.004	ug/l #	1
56) Ethyl methacrylate	8.62	69	149	8.477	ug/l #	51
59) 2-Hexanone	9.48	43	621	67.499	ug/l #	27
66) 1,1,1,2-Tetrachloroethane	10.06	131	63	3.294	ug/l #	10
74) N-amyl acetate	11.42	43	305	19.015	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	11.58	83	76	6.648	ug/l #	25
76) 1,2,3-Trichloropropane	11.81	75	62	7.461	ug/l #	38
78) n-propylbenzene	11.61	91	82	1.008	ug/l #	56
79) 2-Chlorotoluene	11.75	91	81	1.737	ug/l #	43
81) trans-1,4-Dichloro-2-buten	11.81	75	62	15.228	ug/l #	16
82) 4-Chlorotoluene	11.94	91	61	1.243	ug/l #	45
83) tert-Butylbenzene	12.29	119	74	1.288	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.23	105	139	2.470	ug/l #	29
85) sec-Butylbenzene	12.32	105	134	1.704	ug/l #	58
86) p-Isopropyltoluene	12.47	119	86	1.304	ug/l #	51
87) 1,3-Dichlorobenzene	12.44	146	61	2.106	ug/l #	24
88) 1,4-Dichlorobenzene	12.44	146	61	2.161	ug/l #	25
95) Naphthalene	14.47	128	228	2.828	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.62	180	66	3.708	ug/l #	12

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

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