

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061116.D
 Acq On : 20 Dec 2018 19:07
 Operator : VA/AP
 Sample : J6377-17MS
 Misc : 4.94g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Manual Integrations
 APPROVED

apatel
 12/21/2018 12:23:39 PM

Quant Time: Dec 21 08:09:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	146072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	259332	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.78	117	195419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	70255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	92783	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
35) Dibromofluoromethane	4.12	113	107274	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	7.56	98	283575	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.42	95	95616	35.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	163199	50.260	ug/l	100
3) Chloromethane	1.10	50	117166	62.993	ug/l	96
4) Vinyl Chloride	1.14	62	103065	59.733	ug/l	90
5) Bromomethane	1.34	94	68672	57.381	ug/l	91
6) Chloroethane	1.39	64	49741	62.564	ug/l	95
7) Trichlorofluoromethane	1.50	101	171002	51.905	ug/l	100
8) Diethyl Ether	1.64	74	28973	64.222	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	85026	49.776	ug/l	92
10) Methyl Iodide	1.91	142	147803m	54.893	ug/l	
11) Tert butyl alcohol	2.58	59	23161	305.495	ug/l	98
12) 1,1-Dichloroethene	1.79	96	76704	59.570	ug/l	88
13) Acrolein	2.01	56	8161m	148.969	ug/l	
14) Allyl chloride	2.10	41	76907	57.394	ug/l	87
15) Acrylonitrile	2.95	53	52805	301.204	ug/l	94
16) Acetone	2.25	43	75497	201.014	ug/l	97
17) Carbon Disulfide	1.84	76	223551m	57.450	ug/l	
18) Methyl Acetate	2.36	43	123041m	158.345	ug/l	
19) Methyl tert-butyl Ether	2.44	73	161218	56.408	ug/l	98
20) Methylene Chloride	2.19	84	74880m	63.614	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	79981m	58.076	ug/l	
22) Diisopropyl ether	2.81	45	272975	61.157	ug/l	95
23) Vinyl Acetate	3.19	43	146412	71.104	ug/l #	95
24) 1,1-Dichloroethane	2.88	63	153961	58.217	ug/l	99
25) 2-Butanone	4.35	43	156730	257.306	ug/l	100
26) 2,2-Dichloropropane	3.61	77	83625	55.100	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	122807	58.248	ug/l	93
28) Bromochloromethane	3.73	49	76155	56.753	ug/l	91
29) Tetrahydrofuran	4.09	42	73056	294.678	ug/l	97
30) Chloroform	3.88	83	207640	52.363	ug/l	96
31) Cyclohexane	3.71	56	133046m	48.482	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	131693	55.408	ug/l	98
36) 1,1-Dichloropropene	4.29	75	146901	46.929	ug/l	99
37) Ethyl Acetate	4.13	43	57597	46.778	ug/l	92
38) Carbon Tetrachloride	4.00	117	109669	46.005	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	117217	41.739	ug/l	98
40) Benzene	4.64	78	364183	54.099	ug/l	95
41) Methacrylonitrile	4.76	41	34452	52.114	ug/l	97
42) 1,2-Dichloroethane	4.95	62	118217	46.228	ug/l	99
43) Isopropyl Acetate	6.97	43	58842	38.930	ug/l #	98
44) Trichloroethene	5.51	130	101870	47.999	ug/l	97
45) 1,2-Dichloropropane	6.25	63	99142	54.132	ug/l	98
46) Dibromomethane	6.09	93	57275	48.216	ug/l	97
47) Bromodichloromethane	6.40	83	139172	45.092	ug/l	100
48) Methyl methacrylate	6.73	41	61634	58.411	ug/l	99
49) 1,4-Dioxane	6.73	88	8866	1158.002	ug/l #	81
51) 4-Methyl-2-Pentanone	8.27	43	267637	258.187	ug/l	100
52) Toluene	7.63	92	211973	47.569	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	100309	40.287	ug/l	98
54) cis-1,3-Dichloropropene	7.32	75	139807	44.739	ug/l	93
55) 1,1,2-Trichloroethane	8.50	97	65864	49.304	ug/l	94
56) Ethyl methacrylate	8.63	69	57339	39.667	ug/l	96
57) 1,3-Dichloropropane	8.87	76	116296	48.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	53196	191.614	ug/l	91
59) 2-Hexanone	9.51	43	176046	234.839	ug/l	98
60) Dibromochloromethane	8.73	129	79834	41.691	ug/l	95
61) 1,2-Dibromoethane	8.99	107	64492	45.204	ug/l	94
64) Tetrachloroethene	8.17	164	69367	46.144	ug/l	96
65) Chlorobenzene	9.81	112	204901	50.755	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	82386	49.937	ug/l	93
67) Ethyl Benzene	9.91	91	366540	49.837	ug/l	99
68) m/p-Xylenes	10.14	106	254188	98.205	ug/l	94
69) o-Xylene	10.72	106	139286	48.521	ug/l	95
70) Styrene	10.80	104	164355	46.659	ug/l	97
71) Bromoform	10.78	173	35375	46.347	ug/l #	99
73) Isopropylbenzene	11.14	105	367780	60.747	ug/l	97
74) N-amyl acetate	11.38	43	65272	48.560	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	71875	71.531	ug/l	93
76) 1,2,3-Trichloropropane	11.81	75	58434	78.144	ug/l	99
77) Bromobenzene	11.50	156	77039	59.112	ug/l	96
78) n-propylbenzene	11.60	91	402755	60.378	ug/l	99
79) 2-Chlorotoluene	11.73	91	230314	55.454	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	299061	59.990	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	22677m	70.573	ug/l	
82) 4-Chlorotoluene	11.90	91	232921	54.213	ug/l	100
83) tert-Butylbenzene	12.14	119	303538	59.170	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	270788	54.470	ug/l	98
85) sec-Butylbenzene	12.31	105	354506	52.954	ug/l	97
86) p-Isopropyltoluene	12.47	119	292199	52.584	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	118075	56.180	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	119423	49.902	ug/l	99
89) n-Butylbenzene	12.85	91	247162	42.546	ug/l	95
90) Hexachloroethane	12.92	117	67563	49.212	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	107772	46.256	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11390	61.773	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	51869	31.391	ug/l	99
94) Hexachlorobutadiene	14.19	225	31285	29.727	ug/l	95
95) Naphthalene	14.46	128	106264	35.219	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	42288	27.684	ug/l	97

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

