

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061232.D
 Acq On : 28 Dec 2018 13:25
 Operator : VA/AP
 Sample : VF1228SBS02
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:07 AM

Quant Time: Dec 29 06:30:40 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	193863	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	357448	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	338602	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	171798	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	125009	50.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	4.12	113	147302	51.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.88%	
50) Toluene-d8	7.57	98	395332	48.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.42	95	172419	46.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	82326	19.104	ug/l	97
3) Chloromethane	1.11	50	53773	21.783	ug/l	95
4) Vinyl Chloride	1.15	62	50979	22.262	ug/l	92
5) Bromomethane	1.34	94	33091	20.834	ug/l	97
6) Chloroethane	1.41	64	23139	21.929	ug/l	91
7) Trichlorofluoromethane	1.49	101	83732m	19.150	ug/l	
8) Diethyl Ether	1.64	74	13862	23.152	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.85	101	45989	20.286	ug/l	97
10) Methyl Iodide	1.91	142	71715m	20.068	ug/l	
11) Tert butyl alcohol	2.59	59	11311	112.414	ug/l	93
12) 1,1-Dichloroethene	1.81	96	36483	21.349	ug/l	95
13) Acrolein	2.00	56	7857	108.064	ug/l	100
14) Allyl chloride	2.10	41	44435	24.986	ug/l	86
15) Acrylonitrile	2.95	53	26945	115.807	ug/l	91
16) Acetone	2.25	43	54383	109.102	ug/l	100
17) Carbon Disulfide	1.86	76	103768m	20.093	ug/l	
18) Methyl Acetate	2.35	43	26190m	25.396	ug/l	
19) Methyl tert-butyl Ether	2.44	73	84152	22.185	ug/l	96
20) Methylene Chloride	2.27	84	37670m	21.049	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	36203m	19.807	ug/l	
22) Diisopropyl ether	2.81	45	134234	22.660	ug/l	93
23) Vinyl Acetate	3.20	43	321635	117.694	ug/l	97
24) 1,1-Dichloroethane	2.88	63	77193	21.993	ug/l	98
25) 2-Butanone	4.35	43	97051	120.052	ug/l	98
26) 2,2-Dichloropropane	3.61	77	43738	21.715	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	59617	21.306	ug/l	98
28) Bromochloromethane	3.73	49	40103	22.518	ug/l	86
29) Tetrahydrofuran	4.08	42	40449	122.934	ug/l	99
30) Chloroform	3.88	83	109795	20.863	ug/l	99
31) Cyclohexane	3.70	56	76195m	20.921	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	65231	20.679	ug/l	95
36) 1,1-Dichloropropene	4.29	75	81704	18.936	ug/l	98
37) Ethyl Acetate	4.12	43	38992	21.029	ug/l #	93
38) Carbon Tetrachloride	4.01	117	62035	18.880	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	76659	19.804	ug/l	92
40) Benzene	4.65	78	191850	20.676	ug/l	99
41) Methacrylonitrile	4.76	41	19374	21.262	ug/l	94
42) 1,2-Dichloroethane	4.96	62	67014	19.012	ug/l	97
43) Isopropyl Acetate	6.98	43	45341	21.764	ug/l #	94
44) Trichloroethene	5.52	130	61051	20.870	ug/l	98
45) 1,2-Dichloropropane	6.25	63	47866	18.961	ug/l	96
46) Dibromomethane	6.10	93	33089	20.209	ug/l	91
47) Bromodichloromethane	6.40	83	83137	19.543	ug/l	98
48) Methyl methacrylate	6.73	41	31117	21.395	ug/l	91
49) 1,4-Dioxane	6.73	88	4443	421.018	ug/l #	58
51) 4-Methyl-2-Pentanone	8.28	43	158209	110.729	ug/l	96
52) Toluene	7.64	92	117800	19.179	ug/l	95
53) t-1,3-Dichloropropene	8.30	75	71249	20.761	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	83571	19.402	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	38474	20.895	ug/l	97
56) Ethyl methacrylate	8.63	69	39668	19.910	ug/l	91
57) 1,3-Dichloropropane	8.87	76	69932	20.999	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	25652	67.037	ug/l	99
59) 2-Hexanone	9.51	43	117943	114.145	ug/l	99
60) Dibromochloromethane	8.73	129	51797	19.624	ug/l	94
61) 1,2-Dibromoethane	9.00	107	41291	20.998	ug/l	97
64) Tetrachloroethene	8.17	164	47841	18.367	ug/l	95
65) Chlorobenzene	9.82	112	136867	19.566	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	53058	18.561	ug/l	98
67) Ethyl Benzene	9.91	91	250078	19.624	ug/l	99
68) m/p-Xylenes	10.14	106	176006	39.245	ug/l	95
69) o-Xylene	10.72	106	94484	18.996	ug/l	99
70) Styrene	10.80	104	142351	20.617	ug/l	98
71) Bromoform	10.78	173	26737	20.217	ug/l	95
73) Isopropylbenzene	11.14	105	284625	19.225	ug/l	97
74) N-amyl acetate	11.38	43	70684	21.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	53336	21.707	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	36898	20.179	ug/l	98
77) Bromobenzene	11.50	156	59791	18.761	ug/l	99
78) n-propylbenzene	11.60	91	337078	17.346	ug/l	99
79) 2-Chlorotoluene	11.73	91	193939	19.096	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	233359	19.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	16069m	20.450	ug/l	
82) 4-Chlorotoluene	11.91	91	199742	19.012	ug/l	95
83) tert-Butylbenzene	12.14	119	250915	20.002	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	234279	19.272	ug/l	99
85) sec-Butylbenzene	12.31	105	319136	19.495	ug/l	96
86) p-Isopropyltoluene	12.47	119	272321	20.041	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	113712	18.472	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	114746	19.608	ug/l	96
89) n-Butylbenzene	12.85	91	286334	18.281	ug/l	93
90) Hexachloroethane	12.92	117	60083	17.897	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	110463	19.388	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9274	20.568	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.21	180	79694	19.723	ug/l	95
94) Hexachlorobutadiene	14.20	225	47040	18.279	ug/l	96
95) Naphthalene	14.46	128	143514	19.451	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	72879	19.511	ug/l	92

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

