

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060892.D
 Acq On : 3 Dec 2018 15:33
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:49:16 PM

Quant Time: Dec 04 03:33:54 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	4.89	168	183320	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	312572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	298164	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	154961	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	119336	55.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.52%	
35) Dibromofluoromethane	4.14	113	128153	51.68	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.36%	
50) Toluene-d8	7.57	98	350621	48.00	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.43	95	170827	51.46	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	64309	23.462	ug/l	100
3) Chloromethane	1.11	50	39058	21.898	ug/l	94
4) Vinyl Chloride	1.15	62	37737	22.682	ug/l	93
5) Bromomethane	1.35	94	28759	24.514	ug/l	95
6) Chloroethane	1.41	64	17561	24.418	ug/l	89
7) Trichlorofluoromethane	1.49	101	83468m	23.383	ug/l	
8) Diethyl Ether	1.64	74	9979	19.440	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42194	23.381	ug/l	95
10) Methyl Iodide	1.92	142	61975m	22.593	ug/l	
11) Tert butyl alcohol	2.59	59	11125	125.669	ug/l	96
12) 1,1-Dichloroethene	1.81	96	30943	21.317	ug/l	93
13) Acrolein	2.02	56	8113	96.727	ug/l	83
14) Allyl chloride	2.11	41	32175	17.784	ug/l	95
15) Acrylonitrile	2.95	53	23447	118.140	ug/l	87
16) Acetone	2.25	43	48140	120.883	ug/l	95
17) Carbon Disulfide	1.86	76	85547m	21.980	ug/l	
18) Methyl Acetate	2.35	43	17828	25.888	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	71260	21.797	ug/l	98
20) Methylene Chloride	2.27	84	30600m	20.945	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	29406m	21.013	ug/l	
22) Diisopropyl ether	2.82	45	106875	21.702	ug/l	96
23) Vinyl Acetate	3.20	43	261089	115.982	ug/l	99
24) 1,1-Dichloroethane	2.89	63	66105	22.561	ug/l	98
25) 2-Butanone	4.36	43	81328	118.070	ug/l	99
26) 2,2-Dichloropropane	3.62	77	41400	21.795	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	51820	22.746	ug/l	97
28) Bromochloromethane	3.73	49	31831	22.637	ug/l	97
29) Tetrahydrofuran	4.10	42	32279	110.553	ug/l	95
30) Chloroform	3.88	83	101331	22.471	ug/l	97
31) Cyclohexane	3.70	56	68601m	22.560	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	60179	19.243	ug/l	97
36) 1,1-Dichloropropene	4.30	75	77606	22.385	ug/l	99
37) Ethyl Acetate	4.14	43	34150	24.239	ug/l #	75
38) Carbon Tetrachloride	4.01	117	61559	20.103	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	69696	19.183	ug/l	98
40) Benzene	4.65	78	167809	21.910	ug/l	95
41) Methacrylonitrile	4.77	41	18621	23.469	ug/l	94
42) 1,2-Dichloroethane	4.97	62	62707	22.426	ug/l	95
43) Isopropyl Acetate	6.98	43	37246	19.783	ug/l #	95
44) Trichloroethene	5.53	130	53712	21.448	ug/l	94
45) 1,2-Dichloropropane	6.26	63	42553	21.392	ug/l	98
46) Dibromomethane	6.11	93	30196	22.377	ug/l	100
47) Bromodichloromethane	6.41	83	78076	21.785	ug/l	97
48) Methyl methacrylate	6.74	41	25999	20.387	ug/l	96
49) 1,4-Dioxane	6.73	88	4912	526.284	ug/l #	86
51) 4-Methyl-2-Pentanone	8.28	43	139613	107.460	ug/l	96
52) Toluene	7.65	92	102275	19.010	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	64659	22.179	ug/l	93
54) cis-1,3-Dichloropropene	7.32	75	79936	22.149	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	33314	21.251	ug/l	96
56) Ethyl methacrylate	8.64	69	36465	20.939	ug/l	97
57) 1,3-Dichloropropane	8.87	76	58613	21.371	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.31	63	18879	105.987	ug/l #	85
59) 2-Hexanone	9.51	43	110507	121.240	ug/l	94
60) Dibromochloromethane	8.73	129	45929	19.664	ug/l	88
61) 1,2-Dibromoethane	9.01	107	35228	20.802	ug/l	91
64) Tetrachloroethene	8.17	164	45600	20.023	ug/l	94
65) Chlorobenzene	9.82	112	124850	21.524	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.96	131	52984	21.248	ug/l	96
67) Ethyl Benzene	9.92	91	232457	21.526	ug/l	99
68) m/p-Xylenes	10.16	106	157256	40.490	ug/l	92
69) o-Xylene	10.73	106	86666	20.236	ug/l	86
70) Styrene	10.81	104	116731	19.662	ug/l	95
71) Bromoform	10.79	173	25705	21.341	ug/l #	97
73) Isopropylbenzene	11.14	105	265156	21.653	ug/l	98
74) N-amyl acetate	11.39	43	61471	21.738	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	46560	23.102	ug/l	91
76) 1,2,3-Trichloropropane	11.81	75	33177	22.648	ug/l	99
77) Bromobenzene	11.52	156	55222	20.569	ug/l	93
78) n-propylbenzene	11.61	91	316594	22.076	ug/l	99
79) 2-Chlorotoluene	11.73	91	186611	22.694	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	219727	22.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	13823m	19.259	ug/l	
82) 4-Chlorotoluene	11.91	91	185762	21.467	ug/l	96
83) tert-Butylbenzene	12.15	119	228429	22.557	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	222452	22.421	ug/l	95
85) sec-Butylbenzene	12.32	105	299496	21.604	ug/l	97
86) p-Isopropyltoluene	12.47	119	267050	22.977	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	113942	22.312	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	106711	21.442	ug/l	99
89) n-Butylbenzene	12.86	91	257369	21.900	ug/l	97
90) Hexachloroethane	12.94	117	62275	22.251	ug/l	81
91) 1,2-Dichlorobenzene	12.96	146	105954	21.909	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7700	19.761	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74621	22.083	ug/l	92
94) Hexachlorobutadiene	14.21	225	46470	20.630	ug/l	96
95) Naphthalene	14.47	128	129157	17.412	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	69576	22.175	ug/l	95

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

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