

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060936.D
 Acq On : 7 Dec 2018 18:07
 Operator : VA/AP
 Sample : VF1207SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:38:07 PM

Quant Time: Dec 08 03:43:10 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	4.85	168	175806	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	297563	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	301777	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	152051	50.00	ug/l	-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	123675	59.72	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	119.44%	
35) Dibromofluoromethane	4.09	113	132187	56.00	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	112.00%	
50) Toluene-d8	7.53	98	351644	50.57	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.40	95	170636	53.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	107.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	58381	22.209	ug/l	98
3) Chloromethane	1.11	50	37106	21.693	ug/l	100
4) Vinyl Chloride	1.13	62	36211	22.695	ug/l	90
5) Bromomethane	1.33	94	26906	23.915	ug/l	99
6) Chloroethane	1.41	64	15735	22.814	ug/l	100
7) Trichlorofluoromethane	1.47	101	81405m	23.779	ug/l	
8) Diethyl Ether	1.63	74	10926	22.195	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42764	24.709	ug/l	93
10) Methyl Iodide	1.90	142	61575m	23.407	ug/l	
11) Tert butyl alcohol	2.56	59	9394	110.651	ug/l	95
12) 1,1-Dichloroethene	1.79	96	31539	22.657	ug/l	81
13) Acrolein	1.99	56	7367m	91.587	ug/l	
14) Allyl chloride	2.08	41	36106	20.810	ug/l	98
15) Acrylonitrile	2.93	53	21972	115.439	ug/l #	91
16) Acetone	2.23	43	48840	127.882	ug/l	99
17) Carbon Disulfide	1.83	76	88027m	23.584	ug/l	
18) Methyl Acetate	2.34	43	19686	30.066	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	72867	23.241	ug/l	100
20) Methylene Chloride	2.25	84	33827m	24.144	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	32084m	23.907	ug/l	
22) Diisopropyl ether	2.79	45	110096	23.312	ug/l	98
23) Vinyl Acetate	3.17	43	274938	127.354	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67621	24.065	ug/l	98
25) 2-Butanone	4.32	43	78678	119.105	ug/l	95
26) 2,2-Dichloropropane	3.58	77	40271	22.106	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	51840	23.727	ug/l	95
28) Bromochloromethane	3.70	49	35030	25.976	ug/l	90
29) Tetrahydrofuran	4.05	42	30491	108.893	ug/l	98
30) Chloroform	3.85	83	100240	23.179	ug/l	90
31) Cyclohexane	3.67	56	69698m	23.901	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	59762	19.926	ug/l	91
36) 1,1-Dichloropropene	4.26	75	75421	22.852	ug/l	94
37) Ethyl Acetate	4.09	43	29581	22.055	ug/l #	90
38) Carbon Tetrachloride	3.96	117	59161	20.294	ug/l	97

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

39) Methylcyclohexane	5.43	83	81153m	23.463	ug/l	
40) Benzene	4.61	78	163412	22.412	ug/l	98
41) Methacrylonitrile	4.73	41	15732	20.355	ug/l	92
42) 1,2-Dichloroethane	4.92	62	59858	22.487	ug/l	97
43) Isopropyl Acetate	6.95	43	41366	23.559	ug/l #	86
44) Trichloroethene	5.48	130	51973	21.800	ug/l	98
45) 1,2-Dichloropropane	6.21	63	41518	21.925	ug/l	100
46) Dibromomethane	6.07	93	28375	22.089	ug/l	94
47) Bromodichloromethane	6.37	83	78029	22.870	ug/l	91
48) Methyl methacrylate	6.71	41	25579	21.069	ug/l	96
49) 1,4-Dioxane	6.70	88	4030	453.564	ug/l #	92
51) 4-Methyl-2-Pentanone	8.25	43	139162	112.516	ug/l	100
52) Toluene	7.60	92	103943	20.295	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	63137	22.750	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	78679	22.900	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	33526	22.465	ug/l	94
56) Ethyl methacrylate	8.60	69	36648	22.106	ug/l	97
57) 1,3-Dichloropropane	8.84	76	58460	22.390	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28477	167.935	ug/l	96
59) 2-Hexanone	9.48	43	94165	108.522	ug/l	97
60) Dibromochloromethane	8.70	129	47462	21.345	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35106	21.775	ug/l	100
64) Tetrachloroethene	8.14	164	45709	19.831	ug/l	97
65) Chlorobenzene	9.78	112	127271	21.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	51610	20.449	ug/l	93
67) Ethyl Benzene	9.88	91	235743	21.569	ug/l	96
68) m/p-Xylenes	10.11	106	168374	42.833	ug/l	94
69) o-Xylene	10.70	106	91249	21.051	ug/l	93
70) Styrene	10.78	104	116628	19.410	ug/l	97
71) Bromoform	10.76	173	24843	20.379	ug/l #	94
73) Isopropylbenzene	11.12	105	282167	23.483	ug/l	99
74) N-amyl acetate	11.36	43	62970	22.695	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47527	24.033	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	34920m	24.294	ug/l	
77) Bromobenzene	11.48	156	57161	21.698	ug/l	78
78) n-propylbenzene	11.58	91	322113	22.891	ug/l	98
79) 2-Chlorotoluene	11.71	91	190974	23.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	229192	23.496	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	14593m	20.720	ug/l	
82) 4-Chlorotoluene	11.88	91	193155	22.748	ug/l	98
83) tert-Butylbenzene	12.12	119	230168	23.164	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	221667	22.769	ug/l	94
85) sec-Butylbenzene	12.30	105	306262	22.515	ug/l	98
86) p-Isopropyltoluene	12.45	119	256539	22.495	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	107415	21.436	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	104411	21.381	ug/l	96
89) n-Butylbenzene	12.83	91	270778	23.482	ug/l	97
90) Hexachloroethane	12.91	117	62057	22.598	ug/l	74
91) 1,2-Dichlorobenzene	12.93	146	106536	22.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8422	22.028	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	75538	22.782	ug/l	96
94) Hexachlorobutadiene	14.18	225	48551	21.966	ug/l	99
95) Naphthalene	14.45	128	127214	17.493	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70429	22.877	ug/l	98

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

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