

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061121.D
 Acq On : 21 Dec 2018 12:53
 Operator : VA/AP
 Sample : VF1221SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:14 AM

Quant Time: Dec 21 15:31:03 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	4.90	168	211481	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.63	114	361459	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	331215	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.58	152	166064	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	133831	49.20	ug/l	0.03
Spiked Amount 50.000			Recovery	=	98.40%	
35) Dibromofluoromethane	4.14	113	142052	49.06	ug/l	0.03
Spiked Amount 50.000			Recovery	=	98.12%	
50) Toluene-d8	7.59	98	419442	51.12	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.43	95	189150	50.00	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	82731	17.598	ug/l	100
3) Chloromethane	1.12	50	50716	18.834	ug/l	94
4) Vinyl Chloride	1.14	62	47527	19.026	ug/l	89
5) Bromomethane	1.37	94	32155	18.558	ug/l	91
6) Chloroethane	1.41	64	21187	18.407	ug/l	99
7) Trichlorofluoromethane	1.52	101	87142m	18.270	ug/l	
8) Diethyl Ether	1.65	74	14931	22.860	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	47661	19.272	ug/l	94
10) Methyl Iodide	1.93	142	72825m	18.681	ug/l	
11) Tert butyl alcohol	2.61	59	11644	106.083	ug/l	94
12) 1,1-Dichloroethene	1.81	96	35823	19.216	ug/l	99
13) Acrolein	2.01	56	7487	94.396	ug/l	91
14) Allyl chloride	2.11	41	28592	14.738	ug/l	90
15) Acrylonitrile	2.97	53	25729	101.369	ug/l	87
16) Acetone	2.27	43	51228	94.211	ug/l	94
17) Carbon Disulfide	1.85	76	109070m	19.360	ug/l	
18) Methyl Acetate	2.37	43	23568	20.949	ug/l	99
19) Methyl tert-butyl Ether	2.46	73	80941	19.561	ug/l	100
20) Methylene Chloride	2.29	84	40846m	20.892	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	35136m	17.622	ug/l	
22) Diisopropyl ether	2.83	45	134572	20.825	ug/l	92
23) Vinyl Acetate	3.22	43	363299	121.865	ug/l	99
24) 1,1-Dichloroethane	2.89	63	67863	17.724	ug/l	98
25) 2-Butanone	4.38	43	102981	116.775	ug/l	94
26) 2,2-Dichloropropane	3.63	77	41238	18.768	ug/l	87
27) cis-1,2-Dichloroethene	3.50	96	63232	20.715	ug/l	93
28) Bromochloromethane	3.75	49	43734	22.512	ug/l	91
29) Tetrahydrofuran	4.11	42	45471	126.684	ug/l	93
30) Chloroform	3.90	83	110762	19.293	ug/l	92
31) Cyclohexane	3.72	56	87947m	22.136	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	78866m	22.919	ug/l	
36) 1,1-Dichloropropene	4.31	75	84800	19.436	ug/l	96
37) Ethyl Acetate	4.14	43	42936	23.062	ug/l	87
38) Carbon Tetrachloride	4.02	117	61826	18.607	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	75180	19.207	ug/l	95
40) Benzene	4.67	78	204100	21.753	ug/l	96
41) Methacrylonitrile	4.78	41	21773	23.629	ug/l	92
42) 1,2-Dichloroethane	4.97	62	68188	19.131	ug/l	98
43) Isopropyl Acetate	6.99	43	52593	24.965	ug/l #	96
44) Trichloroethene	5.53	130	62861	21.250	ug/l	95
45) 1,2-Dichloropropane	6.26	63	53495	20.956	ug/l	98
46) Dibromomethane	6.12	93	35642	21.527	ug/l	90
47) Bromodichloromethane	6.42	83	88433	20.557	ug/l	99
48) Methyl methacrylate	6.76	41	33252	22.610	ug/l #	85
49) 1,4-Dioxane	6.75	88	4048	379.332	ug/l #	78
51) 4-Methyl-2-Pentanone	8.30	43	172973	119.719	ug/l	100
52) Toluene	7.65	92	134916	21.722	ug/l	97
53) t-1,3-Dichloropropene	8.32	75	74204	21.382	ug/l	100
54) cis-1,3-Dichloropropene	7.34	75	96970	22.263	ug/l	96
55) 1,1,2-Trichloroethane	8.52	97	41040	22.042	ug/l	92
56) Ethyl methacrylate	8.65	69	47471	23.562	ug/l	97
57) 1,3-Dichloropropane	8.89	76	75226	22.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	58926	152.283	ug/l	100
59) 2-Hexanone	9.53	43	135709	129.882	ug/l	98
60) Dibromochloromethane	8.75	129	56469	21.157	ug/l	93
61) 1,2-Dibromoethane	9.03	107	43197	21.723	ug/l	98
64) Tetrachloroethene	8.19	164	52719	20.691	ug/l	97
65) Chlorobenzene	9.83	112	139244	20.350	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.96	131	56278	20.126	ug/l	97
67) Ethyl Benzene	9.93	91	265101	21.266	ug/l	100
68) m/p-Xylenes	10.17	106	192396	43.856	ug/l	97
69) o-Xylene	10.74	106	105962	21.778	ug/l	96
70) Styrene	10.82	104	145012	21.694	ug/l	99
71) Bromoform	10.80	173	29156	22.538	ug/l	99
73) Isopropylbenzene	11.15	105	307060	21.457	ug/l	93
74) N-amyl acetate	11.39	43	84599	26.627	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.72	83	55974	23.567	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	38993	22.061	ug/l	86
77) Bromobenzene	11.52	156	66075	21.449	ug/l	89
78) n-propylbenzene	11.62	91	356657	19.125	ug/l	98
79) 2-Chlorotoluene	11.75	91	205857	20.969	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	249022	21.133	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	20215m	26.615	ug/l	
82) 4-Chlorotoluene	11.93	91	205992	20.284	ug/l	99
83) tert-Butylbenzene	12.15	119	257661	21.249	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	244909	20.842	ug/l	98
85) sec-Butylbenzene	12.33	105	325534	20.572	ug/l	99
86) p-Isopropyltoluene	12.49	119	284188	21.636	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	127334	22.354	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	116237	20.548	ug/l	96
89) n-Butylbenzene	12.86	91	294039	19.500	ug/l	93
90) Hexachloroethane	12.94	117	66203	20.401	ug/l	95
91) 1,2-Dichlorobenzene	12.97	146	117483	21.332	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	9817	22.524	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	86246	22.082	ug/l	96
94) Hexachlorobutadiene	14.21	225	51341	20.639	ug/l	94
95) Naphthalene	14.48	128	158196	22.181	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	76843	21.282	ug/l	98

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

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