

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061706.D
 Acq On : 22 Feb 2019 13:51
 Operator : VA/AP
 Sample : VF0222SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:40:48 PM

Quant Time: Feb 23 02:56:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	339255	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	529040	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	425926	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	239372	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	127781	51.36	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	4.08	113	187544	47.74	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.48%	
50) Toluene-d8	7.54	98	538742	47.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.40	95	203498	44.53	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	90768	23.298	ug/l	94
3) Chloromethane	1.09	50	93812	22.950	ug/l	94
4) Vinyl Chloride	1.14	62	84875	22.335	ug/l	92
5) Bromomethane	1.31	94	56276	21.517	ug/l	95
6) Chloroethane	1.39	64	43643	23.305	ug/l	100
7) Trichlorofluoromethane	1.47	101	105280	22.970	ug/l	96
8) Diethyl Ether	1.62	74	23987	20.767	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	72550	21.942	ug/l	94
10) Methyl Iodide	1.90	142	137003m	21.691	ug/l	
11) Tert butyl alcohol	2.56	59	12282	85.304	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	63953m	21.999	ug/l	
13) Acrolein	1.99	56	17005	93.973	ug/l	96
14) Allyl chloride	2.08	41	75167	21.071	ug/l	98
15) Acrylonitrile	2.92	53	44529	87.193	ug/l	97
16) Acetone	2.22	43	55905	104.736	ug/l #	88
17) Carbon Disulfide	1.82	76	200302m	21.920	ug/l	
18) Methyl Acetate	2.33	43	24005	19.963	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	107259	21.589	ug/l	95
20) Methylene Chloride	2.16	84	75134m	25.009	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	69605	22.025	ug/l	99
22) Diisopropyl ether	2.78	45	177247	20.699	ug/l	98
23) Vinyl Acetate	3.17	43	394567	94.339	ug/l	99
24) 1,1-Dichloroethane	2.85	63	112116	21.635	ug/l	99
25) 2-Butanone	4.32	43	114973	98.611	ug/l	96
26) 2,2-Dichloropropane	3.57	77	55099	25.102	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	89946	21.684	ug/l	96
28) Bromochloromethane	3.69	49	54454	21.901	ug/l	90
29) Tetrahydrofuran	4.04	42	46918	88.537	ug/l	99
30) Chloroform	3.84	83	130810	22.197	ug/l	93
31) Cyclohexane	3.67	56	125377m	22.350	ug/l	
32) 1,1,1-Trichloroethane	4.06	97	75608	19.586	ug/l	94
36) 1,1-Dichloropropene	4.25	75	110960	21.172	ug/l	93
37) Ethyl Acetate	4.09	43	40501	16.638	ug/l #	96
38) Carbon Tetrachloride	3.97	117	74850	20.684	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	135412	21.847	ug/l	99
40) Benzene	4.61	78	290485	21.191	ug/l	99
41) Methacrylonitrile	4.72	41	19865	15.958	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	65018	19.828	ug/l	89
43) Isopropyl Acetate	6.94	43	46971	16.302	ug/l #	93
44) Trichloroethene	5.48	130	92527	20.873	ug/l	94
45) 1,2-Dichloropropane	6.21	63	70479	21.270	ug/l	93
46) Dibromomethane	6.07	93	39460	19.342	ug/l	96
47) Bromodichloromethane	6.36	83	87796	19.651	ug/l	98
48) Methyl methacrylate	6.70	41	26691	15.393	ug/l #	87
49) 1,4-Dioxane	6.69	88	4710	288.954	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	163809	79.565	ug/l	95
52) Toluene	7.60	92	167000	20.087	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	68029	18.296	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	96439	19.472	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	43031	17.616	ug/l	93
56) Ethyl methacrylate	8.60	69	47966	17.637	ug/l	92
57) 1,3-Dichloropropane	8.83	76	69708	17.097	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	33704	71.830	ug/l	98
59) 2-Hexanone	9.48	43	125458	86.932	ug/l	96
60) Dibromochloromethane	8.70	129	62757	18.459	ug/l	100
61) 1,2-Dibromoethane	8.96	107	47251	17.835	ug/l	100
64) Tetrachloroethene	8.14	164	77046	22.130	ug/l	96
65) Chlorobenzene	9.77	112	180226	20.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	72256	21.335	ug/l	94
67) Ethyl Benzene	9.88	91	304322	21.173	ug/l	98
68) m/p-Xylenes	10.11	106	245796	44.683	ug/l	95
69) o-Xylene	10.70	106	127624	21.743	ug/l	97
70) Styrene	10.77	104	172972	20.831	ug/l	99
71) Bromoform	10.76	173	35096	19.083	ug/l	99
73) Isopropylbenzene	11.10	105	374550	21.977	ug/l	97
74) N-amyl acetate	11.36	43	77216	18.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	55782	18.270	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	36380	17.525	ug/l	99
77) Bromobenzene	11.48	156	84595	20.092	ug/l	93
78) n-propylbenzene	11.58	91	420219	21.487	ug/l	97
79) 2-Chlorotoluene	11.71	91	241112	22.013	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	300201	22.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	16878m	16.959	ug/l	
82) 4-Chlorotoluene	11.88	91	238280	20.960	ug/l	98
83) tert-Butylbenzene	12.12	119	317645	21.054	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	301873	22.307	ug/l	97
85) sec-Butylbenzene	12.29	105	428968	21.987	ug/l	94
86) p-Isopropyltoluene	12.45	119	367213	22.427	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	167920	20.458	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	164361	20.821	ug/l	98
89) n-Butylbenzene	12.83	91	357912	23.149	ug/l	97
90) Hexachloroethane	12.90	117	85260	22.389	ug/l	87
91) 1,2-Dichlorobenzene	12.93	146	162843	20.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7748	16.005	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	117512	20.999	ug/l	99
94) Hexachlorobutadiene	14.18	225	78240	22.638	ug/l	96
95) Naphthalene	14.45	128	173048	17.674	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	103098	20.072	ug/l	94

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

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