

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061803.D
 Acq On : 1 Mar 2019 15:27
 Operator : VA/AP
 Sample : VF0301SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 4:00:46 PM

Quant Time: Mar 02 02:57:29 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	4.85	168	284168	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	434198	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	360372	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	200340	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113739	54.58	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.16%	
35) Dibromofluoromethane	4.09	113	161561	50.11	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	7.53	98	451991	48.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.39	95	185174	49.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	91427	28.016	ug/l	98
3) Chloromethane	1.09	50	83812	24.478	ug/l	97
4) Vinyl Chloride	1.13	62	83871	26.349	ug/l	93
5) Bromomethane	1.32	94	53248	24.306	ug/l	94
6) Chloroethane	1.39	64	37575	23.954	ug/l	98
7) Trichlorofluoromethane	1.48	101	102057m	26.583	ug/l	
8) Diethyl Ether	1.62	74	21742	22.472	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	71014	25.641	ug/l #	88
10) Methyl Iodide	1.90	142	130318m	24.632	ug/l	
11) Tert butyl alcohol	2.56	59	14491	120.158	ug/l	97
12) 1,1-Dichloroethene	1.79	96	61869	25.408	ug/l	95
13) Acrolein	1.99	56	13297	87.727	ug/l	97
14) Allyl chloride	2.09	41	72149	24.146	ug/l	95
15) Acrylonitrile	2.92	53	46658	109.072	ug/l	93
16) Acetone	2.22	43	59074	132.127	ug/l	97
17) Carbon Disulfide	1.81	76	190095m	24.836	ug/l	
18) Methyl Acetate	2.33	43	22421	22.261	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	96725	23.242	ug/l	95
20) Methylene Chloride	2.17	84	63462m	25.241	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	60392	22.815	ug/l	95
22) Diisopropyl ether	2.79	45	177308	24.720	ug/l	98
23) Vinyl Acetate	3.17	43	422851	120.701	ug/l	99
24) 1,1-Dichloroethane	2.86	63	111492	25.686	ug/l	98
25) 2-Butanone	4.31	43	117018	119.821	ug/l	97
26) 2,2-Dichloropropane	3.58	77	43724	23.781	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	83683	24.085	ug/l	97
28) Bromochloromethane	3.69	49	44452	21.344	ug/l	84
29) Tetrahydrofuran	4.06	42	48211	108.614	ug/l	97
30) Chloroform	3.84	83	125933	25.512	ug/l	97
31) Cyclohexane	3.66	56	111388m	23.705	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	69966	21.637	ug/l	98
36) 1,1-Dichloropropene	4.26	75	101745	23.655	ug/l	94
37) Ethyl Acetate	4.09	43	42757	21.402	ug/l #	81
38) Carbon Tetrachloride	3.97	117	71982	24.236	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	110893	21.800	ug/l	98
40) Benzene	4.61	78	258796	23.003	ug/l	99
41) Methacrylonitrile	4.73	41	21583	21.125	ug/l	92
42) 1,2-Dichloroethane	4.93	62	66309	24.639	ug/l	96
43) Isopropyl Acetate	6.94	43	49639	20.991	ug/l #	98
44) Trichloroethene	5.48	130	82872	22.778	ug/l	90
45) 1,2-Dichloropropane	6.22	63	61331	22.552	ug/l	92
46) Dibromomethane	6.07	93	38548	23.022	ug/l	90
47) Bromodichloromethane	6.37	83	88924	24.252	ug/l	98
48) Methyl methacrylate	6.69	41	30142	21.180	ug/l	97
49) 1,4-Dioxane	6.68	88	5994	448.049	ug/l #	86
51) 4-Methyl-2-Pentanone	8.24	43	184424	109.144	ug/l	98
52) Toluene	7.60	92	161901	23.728	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	69967	22.927	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	101920	25.074	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	44839	22.366	ug/l	94
56) Ethyl methacrylate	8.59	69	47851	21.438	ug/l #	92
57) 1,3-Dichloropropane	8.83	76	70982	21.213	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	39773	103.279	ug/l	98
59) 2-Hexanone	9.47	43	136921	115.598	ug/l	96
60) Dibromochloromethane	8.69	129	62124	22.264	ug/l	89
61) 1,2-Dibromoethane	8.97	107	47162	21.689	ug/l	96
64) Tetrachloroethene	8.13	164	71154	24.156	ug/l	96
65) Chlorobenzene	9.78	112	171608	23.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	65244	22.769	ug/l	94
67) Ethyl Benzene	9.88	91	276875	22.767	ug/l	99
68) m/p-Xylenes	10.11	106	224262	48.185	ug/l	99
69) o-Xylene	10.69	106	119961	24.155	ug/l	83
70) Styrene	10.77	104	168611	23.999	ug/l	98
71) Bromoform	10.75	173	33611	21.601	ug/l	89
73) Isopropylbenzene	11.11	105	339412	23.795	ug/l	99
74) N-amyl acetate	11.36	43	81583	23.829	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	55987	21.909	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	38957	22.423	ug/l	98
77) Bromobenzene	11.48	156	78647	22.319	ug/l	96
78) n-propylbenzene	11.58	91	403802	24.670	ug/l	99
79) 2-Chlorotoluene	11.70	91	220617	24.066	ug/l	93
80) 1,3,5-Trimethylbenzene	11.81	105	284146	24.925	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	19239m	23.098	ug/l	
82) 4-Chlorotoluene	11.89	91	231674	24.349	ug/l	95
83) tert-Butylbenzene	12.11	119	306094	24.241	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	285649	25.221	ug/l	98
85) sec-Butylbenzene	12.29	105	394517	24.161	ug/l	97
86) p-Isopropyltoluene	12.45	119	324894	23.708	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	160204	23.320	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	158235	23.951	ug/l	99
89) n-Butylbenzene	12.83	91	313967	24.263	ug/l	97
90) Hexachloroethane	12.90	117	76269	23.930	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	152920	23.403	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8882	21.922	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	106317	22.700	ug/l	99
94) Hexachlorobutadiene	14.18	225	69084	23.883	ug/l	95
95) Naphthalene	14.44	128	179572	21.914	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	99019	23.034	ug/l	96

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

