

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061845.D
 Acq On : 5 Mar 2019 15:12
 Operator : VA/AP
 Sample : VF0305SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:11 AM

Quant Time: Mar 06 06:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	304415	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	488339	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	394027	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	226498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	106825	48.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	4.11	113	158130	46.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	7.55	98	466926	46.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.41	95	181860	45.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	90984	24.345	ug/l	89
3) Chloromethane	1.09	50	84050	23.205	ug/l	96
4) Vinyl Chloride	1.14	62	85321	24.815	ug/l	98
5) Bromomethane	1.33	94	50377	21.499	ug/l	93
6) Chloroethane	1.40	64	39380	24.094	ug/l	100
7) Trichlorofluoromethane	1.49	101	101414m	24.150	ug/l	
8) Diethyl Ether	1.63	74	20937	21.925	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.84	101	65482	22.962	ug/l	89
10) Methyl Iodide	1.91	142	124535m	22.948	ug/l	
11) Tert butyl alcohol	2.57	59	15258	121.260	ug/l	93
12) 1,1-Dichloroethene	1.80	96	61223	23.516	ug/l	92
13) Acrolein	2.00	56	14567	91.364	ug/l	91
14) Allyl chloride	2.10	41	67850	23.656	ug/l	97
15) Acrylonitrile	2.95	53	45260	112.960	ug/l	89
16) Acetone	2.25	43	59846	128.875	ug/l	93
17) Carbon Disulfide	1.83	76	180849m	22.316	ug/l	
18) Methyl Acetate	2.34	43	24842	27.326	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	98697	22.410	ug/l	97
20) Methylene Chloride	2.18	84	64508m	22.066	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	55133	22.501	ug/l	94
22) Diisopropyl ether	2.80	45	170574	22.863	ug/l	93
23) Vinyl Acetate	3.18	43	377415	113.235	ug/l	98
24) 1,1-Dichloroethane	2.87	63	104227	23.372	ug/l	99
25) 2-Butanone	4.34	43	111871	118.435	ug/l	99
26) 2,2-Dichloropropane	3.59	77	44359	22.283	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	76835	22.634	ug/l	91
28) Bromochloromethane	3.71	49	42633	21.932	ug/l #	95
29) Tetrahydrofuran	4.08	42	44341	108.847	ug/l	98
30) Chloroform	3.85	83	122006	23.953	ug/l	97
31) Cyclohexane	3.68	56	107817m	23.083	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	69328	22.081	ug/l	93
36) 1,1-Dichloropropene	4.28	75	99832	21.642	ug/l	99
37) Ethyl Acetate	4.11	43	39009	20.147	ug/l	98
38) Carbon Tetrachloride	3.99	117	73261	22.435	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	114134	20.948	ug/l	94
40) Benzene	4.63	78	261491	21.687	ug/l	98
41) Methacrylonitrile	4.74	41	22604	21.308	ug/l	96
42) 1,2-Dichloroethane	4.94	62	64838	21.578	ug/l	97
43) Isopropyl Acetate	6.96	43	45076	18.887	ug/l	99
44) Trichloroethene	5.50	130	85860	22.914	ug/l	98
45) 1,2-Dichloropropane	6.23	63	63710	22.220	ug/l	100
46) Dibromomethane	6.08	93	35065	19.432	ug/l	93
47) Bromodichloromethane	6.38	83	86401	21.673	ug/l	98
48) Methyl methacrylate	6.71	41	30677	20.310	ug/l	93
49) 1,4-Dioxane	6.70	88	5465	395.787	ug/l	88
51) 4-Methyl-2-Pentanone	8.25	43	170233	103.201	ug/l	98
52) Toluene	7.62	92	153157	21.472	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	69709	21.183	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	96312	21.219	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	41553	20.219	ug/l	99
56) Ethyl methacrylate	8.62	69	46346	20.010	ug/l	97
57) 1,3-Dichloropropane	8.85	76	68712	20.444	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	38017	103.758	ug/l	99
59) 2-Hexanone	9.49	43	122048	102.562	ug/l	97
60) Dibromochloromethane	8.71	129	62274	21.260	ug/l	98
61) 1,2-Dibromoethane	8.98	107	45769	20.251	ug/l	100
64) Tetrachloroethene	8.15	164	70537	23.297	ug/l	98
65) Chlorobenzene	9.80	112	171118	22.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	70225	23.943	ug/l	97
67) Ethyl Benzene	9.90	91	304194	24.244	ug/l	99
68) m/p-Xylenes	10.12	106	217319	45.212	ug/l	95
69) o-Xylene	10.71	106	124601	24.074	ug/l	94
70) Styrene	10.78	104	170196	23.365	ug/l	97
71) Bromoform	10.77	173	33557	21.648	ug/l	98
73) Isopropylbenzene	11.12	105	348108	22.324	ug/l	98
74) N-amyl acetate	11.37	43	77459	21.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	52727	20.345	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	38248	21.624	ug/l	95
77) Bromobenzene	11.49	156	80120	21.350	ug/l	91
78) n-propylbenzene	11.59	91	395795	22.477	ug/l	98
79) 2-Chlorotoluene	11.72	91	222409	22.092	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	282865	22.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	17628m	21.795	ug/l	
82) 4-Chlorotoluene	11.90	91	227377	22.081	ug/l	96
83) tert-Butylbenzene	12.13	119	304354	22.895	ug/l	91
84) 1,2,4-Trimethylbenzene	12.20	105	268711	21.895	ug/l	97
85) sec-Butylbenzene	12.30	105	390346	22.564	ug/l	97
86) p-Isopropyltoluene	12.46	119	329338	22.396	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	159655	22.405	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	153589	22.344	ug/l	98
89) n-Butylbenzene	12.85	91	322586	22.955	ug/l	96
90) Hexachloroethane	12.91	117	76675	21.663	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	153804	22.782	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8235	20.687	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	106898	22.585	ug/l	96
94) Hexachlorobutadiene	14.19	225	68202	20.815	ug/l	94
95) Naphthalene	14.45	128	171504	20.344	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	97541	22.320	ug/l	93

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

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