

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062803.D
 Acq On : 31 May 2019 12:33
 Operator : FY/SY
 Sample : VF0531SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:22 AM

Quant Time: Jun 01 01:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	879164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1465209	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	1107216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	568206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	324700	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
35) Dibromofluoromethane	4.33	113	567839	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
50) Toluene-d8	7.73	98	1420651	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.50	95	540238	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	239749	21.660	ug/l	98
3) Chloromethane	1.15	50	194949	21.431	ug/l	100
4) Vinyl Chloride	1.19	62	185568	20.528	ug/l	95
5) Bromomethane	1.40	94	94935	18.415	ug/l	95
6) Chloroethane	1.47	64	67762	20.049	ug/l #	87
7) Trichlorofluoromethane	1.57	101	268903m	21.012	ug/l	
8) Diethyl Ether	1.72	74	52479	20.843	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.93	101	172291	21.414	ug/l	93
10) Methyl Iodide	2.01	142	326498m	20.239	ug/l	
11) Tert butyl alcohol	2.71	59	41352	112.281	ug/l	95
12) 1,1-Dichloroethene	1.88	96	161666	22.128	ug/l	92
13) Acrolein	2.11	56	19449	128.204	ug/l	85
14) Allyl chloride	2.21	41	117940	20.808	ug/l	93
15) Acrylonitrile	3.10	53	185100	133.755	ug/l	89
16) Acetone	2.36	43	143900	103.417	ug/l	98
17) Carbon Disulfide	1.92	76	453509	21.238	ug/l	99
18) Methyl Acetate	2.47	43	58121	23.903	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	281974	21.303	ug/l	94
20) Methylene Chloride	2.38	84	161452m	21.467	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	161508m	22.048	ug/l	
22) Diisopropyl ether	2.95	45	351040	21.800	ug/l	97
23) Vinyl Acetate	3.36	43	1192282	108.151	ug/l	98
24) 1,1-Dichloroethane	3.03	63	265585	22.089	ug/l	97
25) 2-Butanone	4.54	43	360055	111.115	ug/l	99
26) 2,2-Dichloropropane	3.80	77	142675	20.899	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	261472	21.235	ug/l	99
28) Bromochloromethane	3.91	49	134592	20.580	ug/l	92
29) Tetrahydrofuran	4.29	42	138838	112.024	ug/l	99
30) Chloroform	4.07	83	362334	21.383	ug/l	94
31) Cyclohexane	3.89	56	340784m	20.936	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	195595	19.825	ug/l	97
36) 1,1-Dichloropropene	4.49	75	295902	21.937	ug/l	96
37) Ethyl Acetate	4.33	43	115748	22.448	ug/l #	82
38) Carbon Tetrachloride	4.21	117	190371	20.883	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	359861	21.436	ug/l	95
40) Benzene	4.84	78	844282	21.507	ug/l	98
41) Methacrylonitrile	4.96	41	64649	22.554	ug/l #	92
42) 1,2-Dichloroethane	5.15	62	158892	21.281	ug/l	92
43) Isopropyl Acetate	7.14	43	149909	22.009	ug/l	99
44) Trichloroethene	5.70	130	236060	21.307	ug/l	88
45) 1,2-Dichloropropane	6.43	63	210001	21.317	ug/l	100
46) Dibromomethane	6.28	93	126487	21.992	ug/l	98
47) Bromodichloromethane	6.58	83	243631	20.799	ug/l #	97
48) Methyl methacrylate	6.89	41	75780	21.588	ug/l	94
49) 1,4-Dioxane	6.89	88	20646	446.203	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	593582	122.062	ug/l	96
52) Toluene	7.80	92	452832	21.416	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	226239	23.308	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	295836	21.056	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	140995	22.321	ug/l	95
56) Ethyl methacrylate	8.77	69	148057	21.845	ug/l #	95
57) 1,3-Dichloropropane	9.01	76	239153	23.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	256592	108.324	ug/l	99
59) 2-Hexanone	9.64	43	376903	108.738	ug/l	99
60) Dibromochloromethane	8.87	129	180195	23.041	ug/l	99
61) 1,2-Dibromoethane	9.15	107	141119	21.511	ug/l	88
64) Tetrachloroethene	8.32	164	187835	22.077	ug/l	96
65) Chlorobenzene	9.95	112	457731	21.407	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	179569	21.087	ug/l	96
67) Ethyl Benzene	10.05	91	813403	22.168	ug/l	98
68) m/p-Xylenes	10.27	106	562443	40.057	ug/l	85
69) o-Xylene	10.83	106	299927	21.098	ug/l	94
70) Styrene	10.90	104	456530	21.788	ug/l	99
71) Bromoform	10.89	173	89633	21.942	ug/l #	100
73) Isopropylbenzene	11.23	105	825226	20.814	ug/l	95
74) N-amyl acetate	11.45	43	248115	22.204	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	175059	20.676	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	117200	20.883	ug/l	95
77) Bromobenzene	11.59	156	209423	21.023	ug/l	95
78) n-propylbenzene	11.68	91	999876	20.887	ug/l	91
79) 2-Chlorotoluene	11.81	91	523280	19.104	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	693671	21.394	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	49847m	20.979	ug/l	
82) 4-Chlorotoluene	11.98	91	559393	20.781	ug/l	94
83) tert-Butylbenzene	12.20	119	642040	19.984	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	519453	16.898	ug/l	94
85) sec-Butylbenzene	12.38	105	904745	21.372	ug/l	97
86) p-Isopropyltoluene	12.53	119	753079	21.372	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	385072	21.918	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	341458	20.826	ug/l	97
89) n-Butylbenzene	12.90	91	702191	19.810	ug/l	89
90) Hexachloroethane	12.98	117	151539	17.633	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	309903	20.069	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	19043	20.645	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	212512	20.043	ug/l	96
94) Hexachlorobutadiene	14.23	225	145067	19.778	ug/l	96
95) Naphthalene	14.50	128	344899	19.856	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	197395	20.396	ug/l	96

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

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