

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062804.D
 Acq On : 31 May 2019 13:01
 Operator : FY/SY
 Sample : VF0531SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:23 AM

Quant Time: Jun 01 01:12:42 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	877111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1465451	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1109184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	513672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	297900	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
35) Dibromofluoromethane	4.33	113	568960	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	7.73	98	1386519	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	496726	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	256522	23.571	ug/l	92
3) Chloromethane	1.15	50	213588	23.534	ug/l	97
4) Vinyl Chloride	1.19	62	199057	22.072	ug/l	98
5) Bromomethane	1.41	94	110655	21.514	ug/l	91
6) Chloroethane	1.47	64	71213	21.119	ug/l #	77
7) Trichlorofluoromethane	1.56	101	275628m	21.588	ug/l	
8) Diethyl Ether	1.71	74	53332	21.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.93	101	173877	21.662	ug/l	89
10) Methyl Iodide	2.01	142	350496m	21.777	ug/l	
11) Tert butyl alcohol	2.71	59	41333	112.493	ug/l #	93
12) 1,1-Dichloroethene	1.89	96	154366	21.178	ug/l	95
13) Acrolein	2.11	56	14188	91.470	ug/l #	74
14) Allyl chloride	2.21	41	117355	20.754	ug/l	93
15) Acrylonitrile	3.11	53	134992	97.775	ug/l	98
16) Acetone	2.37	43	132810	95.670	ug/l	99
17) Carbon Disulfide	1.92	76	460858	21.633	ug/l	98
18) Methyl Acetate	2.47	43	52326	21.570	ug/l	92
19) Methyl tert-butyl Ether	2.56	73	288710	21.863	ug/l	99
20) Methylene Chloride	2.37	84	156107m	20.707	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	163346m	22.351	ug/l	
22) Diisopropyl ether	2.96	45	341171	21.236	ug/l	96
23) Vinyl Acetate	3.36	43	1248077	113.477	ug/l	97
24) 1,1-Dichloroethane	3.03	63	242456	20.213	ug/l #	96
25) 2-Butanone	4.54	43	365351	113.013	ug/l	98
26) 2,2-Dichloropropane	3.79	77	141097	20.717	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	270575	22.026	ug/l	94
28) Bromochloromethane	3.92	49	130669	20.027	ug/l	97
29) Tetrahydrofuran	4.29	42	131884	106.662	ug/l	99
30) Chloroform	4.07	83	368972	21.826	ug/l	98
31) Cyclohexane	3.89	56	357366m	22.006	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	184692	18.764	ug/l	91
36) 1,1-Dichloropropene	4.49	75	298037	22.092	ug/l	98
37) Ethyl Acetate	4.33	43	113918	22.090	ug/l	89
38) Carbon Tetrachloride	4.21	117	177778	19.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	379748	22.617	ug/l	97
40) Benzene	4.84	78	857467	21.839	ug/l	99
41) Methacrylonitrile	4.95	41	58565	20.428	ug/l	91
42) 1,2-Dichloroethane	5.15	62	159746	21.392	ug/l	93
43) Isopropyl Acetate	7.14	43	145401	21.343	ug/l #	99
44) Trichloroethene	5.70	130	229583	20.719	ug/l	96
45) 1,2-Dichloropropane	6.43	63	211810	21.497	ug/l	92
46) Dibromomethane	6.28	93	123581	21.483	ug/l	97
47) Bromodichloromethane	6.57	83	246785	21.065	ug/l	99
48) Methyl methacrylate	6.90	41	72781	20.730	ug/l	92
49) 1,4-Dioxane	6.89	88	19378	418.729	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	533855	109.762	ug/l	97
52) Toluene	7.80	92	458164	21.665	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	209931	21.624	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	303543	21.601	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	130753	20.696	ug/l	96
56) Ethyl methacrylate	8.77	69	149344	22.031	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	227929	22.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	282565	119.270	ug/l	99
59) 2-Hexanone	9.64	43	394504	113.798	ug/l	97
60) Dibromochloromethane	8.88	129	171793	21.963	ug/l	91
61) 1,2-Dibromoethane	9.15	107	143366	21.850	ug/l	99
64) Tetrachloroethene	8.32	164	177992	20.883	ug/l	96
65) Chlorobenzene	9.96	112	454640	21.225	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	179402	21.030	ug/l	98
67) Ethyl Benzene	10.04	91	822011	22.363	ug/l	98
68) m/p-Xylenes	10.27	106	616972	43.863	ug/l	84
69) o-Xylene	10.83	106	318587	22.371	ug/l	92
70) Styrene	10.90	104	469492	22.367	ug/l	99
71) Bromoform	10.89	173	86337	21.097	ug/l #	97
73) Isopropylbenzene	11.23	105	856646	23.901	ug/l	96
74) N-amyl acetate	11.46	43	255290	25.272	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	165236	21.588	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	108497	21.385	ug/l	93
77) Bromobenzene	11.59	156	194820	21.633	ug/l	86
78) n-propylbenzene	11.68	91	1000072	23.109	ug/l	91
79) 2-Chlorotoluene	11.81	91	527021	21.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	684448	23.351	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	45674m	21.263	ug/l	
82) 4-Chlorotoluene	11.99	91	559976	23.011	ug/l	98
83) tert-Butylbenzene	12.20	119	689251	23.732	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	642719	23.127	ug/l	94
85) sec-Butylbenzene	12.38	105	881893	23.044	ug/l	96
86) p-Isopropyltoluene	12.53	119	740432	23.244	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	345960	21.783	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	328007	22.130	ug/l	93
89) n-Butylbenzene	12.90	91	737481	23.015	ug/l	88
90) Hexachloroethane	12.98	117	173700	22.357	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	307829	22.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16723	20.054	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	212613	22.182	ug/l	97
94) Hexachlorobutadiene	14.23	225	150786	22.740	ug/l	98
95) Naphthalene	14.50	128	360494	22.957	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	198576	22.696	ug/l	95

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

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