

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062035.D
 Acq On : 20 Mar 2019 12:49
 Operator : VA/AP
 Sample : VF0320SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:51:36 PM

Quant Time: Mar 22 05:45:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	251153	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	375096	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	328729	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	179309	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	89526	49.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.04%	
35) Dibromofluoromethane	4.10	113	128343	50.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.90%	
50) Toluene-d8	7.53	98	337285	45.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	11.40	95	143317	48.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	60400	22.559	ug/l	95
3) Chloromethane	1.09	50	60480	22.229	ug/l #	89
4) Vinyl Chloride	1.13	62	59344	22.552	ug/l	96
5) Bromomethane	1.31	94	39747	21.501	ug/l	83
6) Chloroethane	1.39	64	31520	23.203	ug/l	97
7) Trichlorofluoromethane	1.47	101	79209	22.721	ug/l	96
8) Diethyl Ether	1.62	74	17048	21.997	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.82	101	54468	22.175	ug/l	90
10) Methyl Iodide	1.90	142	98133m	22.821	ug/l	
11) Tert butyl alcohol	2.56	59	13265	119.908	ug/l	96
12) 1,1-Dichloroethene	1.79	96	46450	21.913	ug/l	98
13) Acrolein	2.00	56	9160	76.701	ug/l	93
14) Allyl chloride	2.09	41	61182	22.611	ug/l	95
15) Acrylonitrile	2.93	53	34918	103.796	ug/l	95
16) Acetone	2.22	43	49198	121.186	ug/l	92
17) Carbon Disulfide	1.81	76	129867	21.194	ug/l	97
18) Methyl Acetate	2.33	43	18935	20.582	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	79492	20.696	ug/l	99
20) Methylene Chloride	2.17	84	54597m	25.776	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	50406	22.787	ug/l	96
22) Diisopropyl ether	2.79	45	143019	21.974	ug/l	99
23) Vinyl Acetate	3.17	43	290780	113.334	ug/l	97
24) 1,1-Dichloroethane	2.86	63	83393	22.036	ug/l	98
25) 2-Butanone	4.32	43	86065	107.044	ug/l	93
26) 2,2-Dichloropropane	3.58	77	38180	21.389	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	59598	21.376	ug/l	100
28) Bromochloromethane	3.70	49	31839	20.276	ug/l #	72
29) Tetrahydrofuran	4.06	42	35445	101.370	ug/l	98
30) Chloroform	3.84	83	98274	22.919	ug/l	94
31) Cyclohexane	3.67	56	83126m	22.235	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	65300	22.932	ug/l	93
36) 1,1-Dichloropropene	4.26	75	77522	22.886	ug/l	99
37) Ethyl Acetate	4.09	43	31052	20.416	ug/l #	85
38) Carbon Tetrachloride	3.97	117	55613m	22.465	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062035.D
 Acq On : 20 Mar 2019 12:49
 Operator : VA/AP
 Sample : VF0320SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:51:36 PM

Quant Time: Mar 22 05:45:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87590	22.026	ug/l	96
40) Benzene	4.61	78	202249	22.533	ug/l	98
41) Methacrylonitrile	4.73	41	18480	22.742	ug/l	94
42) 1,2-Dichloroethane	4.93	62	51827	23.196	ug/l	99
43) Isopropyl Acetate	6.94	43	38938	21.638	ug/l #	90
44) Trichloroethene	5.49	130	61940	22.528	ug/l	99
45) 1,2-Dichloropropane	6.22	63	47689	22.451	ug/l	98
46) Dibromomethane	6.07	93	28685	22.701	ug/l	88
47) Bromodichloromethane	6.37	83	67519	22.665	ug/l #	98
48) Methyl methacrylate	6.69	41	23491	20.198	ug/l	98
49) 1,4-Dioxane	6.69	88	4905	474.144	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	137481	107.588	ug/l	96
52) Toluene	7.60	92	119604	21.809	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	54057	21.494	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	71251	21.712	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	34031	22.234	ug/l	95
56) Ethyl methacrylate	8.60	69	37572	21.594	ug/l	94
57) 1,3-Dichloropropane	8.83	76	54399	21.306	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	27755	88.070	ug/l	93
59) 2-Hexanone	9.47	43	108546	117.374	ug/l	98
60) Dibromochloromethane	8.69	129	48544	22.846	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35637	21.706	ug/l	99
64) Tetrachloroethene	8.13	164	50946	21.321	ug/l	95
65) Chlorobenzene	9.78	112	132892	21.713	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.91	131	54309	22.892	ug/l	93
67) Ethyl Benzene	9.88	91	223652	21.342	ug/l	96
68) m/p-Xylenes	10.11	106	167609	42.525	ug/l	94
69) o-Xylene	10.70	106	93463	22.161	ug/l	92
70) Styrene	10.77	104	131190	22.453	ug/l	97
71) Bromoform	10.75	173	26694	22.246	ug/l	99
73) Isopropylbenzene	11.11	105	272545	22.001	ug/l	99
74) N-amyl acetate	11.36	43	63525	22.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	45079	22.046	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	31543	22.061	ug/l	96
77) Bromobenzene	11.48	156	62090	21.643	ug/l	91
78) n-propylbenzene	11.58	91	309934	21.759	ug/l	100
79) 2-Chlorotoluene	11.70	91	173229	21.546	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	221335	22.119	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	14056m	22.222	ug/l	
82) 4-Chlorotoluene	11.89	91	180583	22.210	ug/l	98
83) tert-Butylbenzene	12.12	119	242686	23.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	217642	21.714	ug/l	99
85) sec-Butylbenzene	12.29	105	316084	22.355	ug/l	100
86) p-Isopropyltoluene	12.44	119	268245	22.736	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	130881	23.213	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	119336	21.990	ug/l	97
89) n-Butylbenzene	12.83	91	262903	23.714	ug/l	95
90) Hexachloroethane	12.90	117	61866	22.977	ug/l	97
91) 1,2-Dichlorobenzene	12.92	146	116923	22.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6853	20.885	ug/l	56

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032019\
Data File : VF062035.D
Acq On : 20 Mar 2019 12:49
Operator : VA/AP
Sample : VF0320SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBSD01

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:51:36 PM

Quant Time: Mar 22 05:45:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82369	22.651	ug/l	98
94) Hexachlorobutadiene	14.18	225	54090	22.405	ug/l	98
95) Naphthalene	14.44	128	139368	21.309	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	77162	23.064	ug/l	96

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

