

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056654.D
 Acq On : 23 Feb 2018 14:16
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:58 AM

Quant Time: Feb 24 01:00:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	444421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	690209	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	686205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	360648	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	269331	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.02	113	259498	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	7.47	98	742934	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.34	95	363592	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	90466	20.18	ug/l	94
3) Chloromethane	1.01	50	88840	17.77	ug/l	98
4) Vinyl Chloride	1.08	62	70433	19.83	ug/l	98
5) Bromomethane	1.25	94	42060	21.18	ug/l	91
6) Chloroethane	1.33	64	21925	14.94	ug/l #	84
7) Trichlorofluoromethane	1.39	101	68839m	18.59	ug/l	
8) Diethyl Ether	1.60	74	26890	20.24	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.77	101	66092	21.08	ug/l	93
10) Methyl Iodide	1.80	142	119927m	20.52	ug/l	
11) Tert butyl alcohol	2.51	59	42049	115.95	ug/l	96
12) 1,1-Dichloroethene	1.71	96	55646	19.27	ug/l	92
13) Acrolein	1.95	56	43427	111.87	ug/l	95
14) Allyl chloride	2.05	41	99189	19.98	ug/l	92
15) Acrylonitrile	2.88	53	95367	104.36	ug/l	94
16) Acetone	2.19	43	166003	104.99	ug/l	99
17) Carbon Disulfide	1.72	76	152665	20.27	ug/l #	92
18) Methyl Acetate	2.30	43	67206m	19.28	ug/l	
19) Methyl tert-butyl Ether	2.37	73	184546	21.61	ug/l	98
20) Methylene Chloride	2.13	84	65762	21.85	ug/l	95
21) trans-1,2-Dichloroethene	2.26	96	62432	20.52	ug/l	98
22) Diisopropyl ether	2.74	45	229370	20.61	ug/l	99
23) Vinyl Acetate	3.11	43	890223	98.30	ug/l	98
24) 1,1-Dichloroethane	2.81	63	127454	20.73	ug/l	99
25) 2-Butanone	4.24	43	260428	92.62	ug/l	99
26) 2,2-Dichloropropane	3.53	77	71622	21.05	ug/l	98
27) cis-1,2-Dichloroethene	3.40	96	96940	18.96	ug/l	95
28) Bromochloromethane	3.65	49	69048	18.73	ug/l #	88
29) Tetrahydrofuran	3.98	42	119995	92.17	ug/l	99
30) Chloroform	3.77	83	176005	20.00	ug/l	96
31) Cyclohexane	3.63	56	121752	18.44	ug/l	91
32) 1,1,1-Trichloroethane	4.02	97	115796	21.72	ug/l	96
36) 1,1-Dichloropropene	4.20	75	133490	20.54	ug/l	100
37) Ethyl Acetate	4.03	43	108846	18.73	ug/l #	88
38) Carbon Tetrachloride	3.91	117	102900	21.27	ug/l	98

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056654.D
 Acq On : 23 Feb 2018 14:16
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0223SBS01

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:58 AM

Quant Time: Feb 24 01:00:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	138778	19.74	ug/l	97
40) Benzene	4.55	78	321732	19.52	ug/l	95
41) Methacrylonitrile	4.66	41	53236	18.87	ug/l #	95
42) 1,2-Dichloroethane	4.86	62	136661	21.33	ug/l	95
43) Isopropyl Acetate	6.88	43	139308	19.55	ug/l	98
44) Trichloroethene	5.43	130	96300	19.91	ug/l	99
45) 1,2-Dichloropropane	6.15	63	91401	19.46	ug/l	93
46) Dibromomethane	6.00	93	73169	20.25	ug/l	95
47) Bromodichloromethane	6.30	83	133463	19.99	ug/l	97
48) Methyl methacrylate	6.63	41	85624	20.51	ug/l	95
49) 1,4-Dioxane	6.62	88	15492	360.01	ug/l	95
51) 4-Methyl-2-Pentanone	8.18	43	501583	102.93	ug/l	98
52) Toluene	7.54	92	212025	19.32	ug/l	94
53) t-1,3-Dichloropropene	8.19	75	139723	20.78	ug/l	96
54) cis-1,3-Dichloropropene	7.21	75	158431	20.25	ug/l	98
55) 1,1,2-Trichloroethane	8.40	97	86513	19.90	ug/l	95
56) Ethyl methacrylate	8.54	69	118411	20.85	ug/l	97
57) 1,3-Dichloropropane	8.76	76	148159	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	34759	45.02	ug/l	100
59) 2-Hexanone	9.40	43	394436	99.73	ug/l	99
60) Dibromochloromethane	8.62	129	109036	20.68	ug/l	99
61) 1,2-Dibromoethane	8.89	107	102355	20.33	ug/l	97
64) Tetrachloroethene	8.07	164	87142	17.64	ug/l	94
65) Chlorobenzene	9.71	112	253044	18.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.84	131	88810	19.16	ug/l	99
67) Ethyl Benzene	9.82	91	439366	19.16	ug/l	99
68) m/p-Xylenes	10.04	106	316961	37.79	ug/l	86
69) o-Xylene	10.64	106	172035	19.76	ug/l	93
70) Styrene	10.70	104	265257	19.23	ug/l	98
71) Bromoform	10.68	173	69409	18.71	ug/l #	95
73) Isopropylbenzene	11.05	105	462343	19.46	ug/l	95
74) N-amyl acetate	11.31	43	196469	18.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137691	19.16	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	106863	19.38	ug/l	100
77) Bromobenzene	11.42	156	122042	18.94	ug/l	98
78) n-propylbenzene	11.52	91	564361	19.28	ug/l	98
79) 2-Chlorotoluene	11.65	91	342366	19.87	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	393994	20.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.80	75	56032	18.55	ug/l	91
82) 4-Chlorotoluene	11.83	91	362264	19.32	ug/l	97
83) tert-Butylbenzene	12.06	119	379160	19.89	ug/l	99
84) 1,2,4-Trimethylbenzene	12.13	105	397814	19.38	ug/l	96
85) sec-Butylbenzene	12.23	105	519546	19.80	ug/l	97
86) p-Isopropyltoluene	12.39	119	422054	20.03	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	225743	19.05	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	223759	19.67	ug/l	98
89) n-Butylbenzene	12.77	91	446234	18.37	ug/l	95
90) Hexachloroethane	12.84	117	76745	18.95	ug/l	95
91) 1,2-Dichlorobenzene	12.86	146	219660	19.32	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.56	75	24244	18.11	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056654.D
Acq On : 23 Feb 2018 14:16
Operator : JC/SY
Sample : VF0223SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:58 AM

Quant Time: Feb 24 01:00:26 2018
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 21 08:56:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.11	180	152999	19.82	ug/l	98
94) Hexachlorobutadiene	14.11	225	87388	19.85	ug/l	98
95) Naphthalene	14.37	128	382982	19.73	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	145581	19.52	ug/l	96

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

