

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059452.D
 Acq On : 6 Jul 2018 16:28
 Operator : VA/AP
 Sample : VF0706SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Manual Integrations
 APPROVED

apatel
 7/9/2018 12:22:22 PM

Quant Time: Jul 09 11:14:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	380581	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	373435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	154954	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	4.27	113	135324	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	7.69	98	304450	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	11.50	95	182798	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	50766	21.93	ug/l	98
3) Chloromethane	1.08	50	28027	18.02	ug/l	98
4) Vinyl Chloride	1.14	62	31454	20.55	ug/l	98
5) Bromomethane	1.33	94	19817	20.17	ug/l	92
6) Chloroethane	1.41	64	15972	20.72	ug/l	95
7) Trichlorofluoromethane	1.47	101	63815m	21.08	ug/l	
8) Diethyl Ether	1.69	74	15347	19.78	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	39536	22.38	ug/l	95
10) Methyl Iodide	1.95	142	64563	20.04	ug/l	99
11) Tert butyl alcohol	2.67	59	22031m	101.11	ug/l	
12) 1,1-Dichloroethene	1.85	96	34989	23.43	ug/l	82
13) Acrolein	2.08	56	9081	73.77	ug/l	87
14) Allyl chloride	2.17	41	59568	21.25	ug/l	99
15) Acrylonitrile	3.06	53	46244	120.52	ug/l	91
16) Acetone	2.32	43	94154	109.45	ug/l	100
17) Carbon Disulfide	1.86	76	66072	18.81	ug/l	99
18) Methyl Acetate	2.44	43	35579	23.47	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	120379	21.61	ug/l #	93
20) Methylene Chloride	2.26	84	44697m	19.90	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	36298	22.78	ug/l	86
22) Diisopropyl ether	2.91	45	135033	21.75	ug/l	99
23) Vinyl Acetate	3.31	43	444361	112.38	ug/l	99
24) 1,1-Dichloroethane	2.98	63	82088	21.33	ug/l	98
25) 2-Butanone	4.49	43	107450	106.95	ug/l	99
26) 2,2-Dichloropropane	3.74	77	64662	24.36	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	52073	21.53	ug/l	86
28) Bromochloromethane	3.87	49	39131	24.29	ug/l	93
29) Tetrahydrofuran	4.23	42	48363	109.92	ug/l	94
30) Chloroform	4.01	83	125379	22.50	ug/l	100
31) Cyclohexane	3.84	56	52836	20.95	ug/l #	87
32) 1,1,1-Trichloroethane	4.25	97	95519	23.42	ug/l	94
36) 1,1-Dichloropropene	4.43	75	77522	23.32	ug/l	94
37) Ethyl Acetate	4.27	43	47259	21.37	ug/l	94
38) Carbon Tetrachloride	4.14	117	98332m	23.44	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059452.D
 Acq On : 6 Jul 2018 16:28
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0706SBS01

Manual Integrations
 APPROVED

apatel
 7/9/2018 12:22:22 PM

Quant Time: Jul 09 11:14:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	63258	21.47	µg/l	93
40) Benzene	4.78	78	157701	21.39	µg/l	99
41) Methacrylonitrile	4.90	41	22363	19.72	µg/l	91
42) 1,2-Dichloroethane	5.10	62	99013	22.99	µg/l	95
43) Isopropyl Acetate	7.09	43	60751	21.94	µg/l	99
44) Trichloroethene	5.65	130	57110	22.58	µg/l	98
45) 1,2-Dichloropropane	6.38	63	45370	21.54	µg/l	98
46) Dibromomethane	6.23	93	39446	21.58	µg/l	90
47) Bromodichloromethane	6.53	83	97265	21.98	µg/l	96
48) Methyl methacrylate	6.85	41	38474	20.73	µg/l	95
49) 1,4-Dioxane	6.84	88	3646	340.09	µg/l	85
51) 4-Methyl-2-Pentanone	8.38	43	215732	105.15	µg/l	100
52) Toluene	7.75	92	113828	20.64	µg/l	95
53) t-1,3-Dichloropropene	8.40	75	90524	22.44	µg/l	98
54) cis-1,3-Dichloropropene	7.44	75	91005	20.77	µg/l	91
55) 1,1,2-Trichloroethane	8.62	97	47347	22.11	µg/l	95
56) Ethyl methacrylate	8.74	69	53589	20.20	µg/l	94
57) 1,3-Dichloropropane	8.97	76	74411	20.26	µg/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	21948	110.31	µg/l	100
59) 2-Hexanone	9.60	43	198184	119.78	µg/l	91
60) Dibromochloromethane	8.83	129	72879	22.04	µg/l	90
61) 1,2-Dibromoethane	9.11	107	53340	20.54	µg/l	98
64) Tetrachloroethene	8.29	164	49563	20.46	µg/l	95
65) Chlorobenzene	9.92	112	152360	22.02	µg/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	70379	23.52	µg/l	96
67) Ethyl Benzene	10.02	91	273302	23.28	µg/l	99
68) m/p-Xylenes	10.24	106	195470	46.78	µg/l	96
69) o-Xylene	10.82	106	102723	21.98	µg/l	96
70) Styrene	10.89	104	165537	23.25	µg/l	99
71) Bromoform	10.88	173	47022	22.92	µg/l	93
73) Isopropylbenzene	11.21	105	315266	22.57	µg/l	97
74) N-amyl acetate	11.45	43	107031	21.11	µg/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	74774	21.20	µg/l	97
76) 1,2,3-Trichloropropane	11.87	75	56477	21.22	µg/l	97
77) Bromobenzene	11.59	156	84733	21.86	µg/l	83
78) n-propylbenzene	11.67	91	373117	22.24	µg/l	98
79) 2-Chlorotoluene	11.80	91	226342	22.08	µg/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	274475	22.43	µg/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34244	21.62	µg/l	95
82) 4-Chlorotoluene	11.98	91	240991	21.95	µg/l	97
83) tert-Butylbenzene	12.21	119	294863	24.09	µg/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	289483	22.46	µg/l	96
85) sec-Butylbenzene	12.37	105	374904	23.11	µg/l	98
86) p-Isopropyltoluene	12.52	119	320586	23.55	µg/l	98
87) 1,3-Dichlorobenzene	12.54	146	162862	22.97	µg/l	99
88) 1,4-Dichlorobenzene	12.63	146	155071	22.41	µg/l	99
89) n-Butylbenzene	12.91	91	327362	23.69	µg/l	93
90) Hexachloroethane	12.98	117	77944	22.97	µg/l	93
91) 1,2-Dichlorobenzene	13.00	146	161008	22.88	µg/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15417	19.71	µg/l	79

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
Data File : VF059452.D
Acq On : 6 Jul 2018 16:28
Operator : VA/AP
Sample : VF0706SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Manual Integrations
APPROVED

apatel
7/9/2018 12:22:22 PM

Quant Time: Jul 09 11:14:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	120275	23.12	ug/l	94
94) Hexachlorobutadiene	14.25	225	69391	23.88	ug/l	94
95) Naphthalene	14.51	128	241768	22.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	115318	23.40	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
Data File : VF059452.D
Acq On : 6 Jul 2018 16:28
Operator : VA/AP
Sample : VF0706SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
Client Sampled :
VF0706SBSD01

Manual Integrations
APPROVED

apatel
7/9/2018 12:22:22 PM

Quant Time: Jul 09 11:14:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

