

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059232.D
 Acq On : 20 Jun 2018 18:13
 Operator : VA/AP
 Sample : VF0620SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:50 AM

Quant Time: Jun 21 07:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	244539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	379119	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	384907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	241612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178154	60.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.14%	
35) Dibromofluoromethane	4.28	113	153105	57.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.10%	
50) Toluene-d8	7.70	98	393993	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.51	95	218596	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57455	20.76	ug/l	86
3) Chloromethane	1.09	50	33992	15.86	ug/l	93
4) Vinyl Chloride	1.15	62	34925	18.06	ug/l	97
5) Bromomethane	1.33	94	20618	18.29	ug/l	86
6) Chloroethane	1.42	64	16817	20.95	ug/l	89
7) Trichlorofluoromethane	1.48	101	68160m	22.67	ug/l	
8) Diethyl Ether	1.70	74	16018	21.18	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	36336	18.96	ug/l	89
10) Methyl Iodide	1.97	142	68124	20.32	ug/l	93
11) Tert butyl alcohol	2.69	59	20641	108.62	ug/l #	87
12) 1,1-Dichloroethene	1.86	96	33071	20.52	ug/l	95
13) Acrolein	2.09	56	10401	63.24	ug/l	96
14) Allyl chloride	2.18	41	64127	20.28	ug/l	94
15) Acrylonitrile	3.09	53	42390	112.32	ug/l	98
16) Acetone	2.34	43	81691m	115.37	ug/l	
17) Carbon Disulfide	1.87	76	75601m	16.71	ug/l	
18) Methyl Acetate	2.45	43	23769m	19.53	ug/l	
19) Methyl tert-butyl Ether	2.54	73	115987	23.19	ug/l	98
20) Methylene Chloride	2.27	84	39371m	23.22	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35993	20.37	ug/l	90
22) Diisopropyl ether	2.92	45	135542	21.80	ug/l	99
23) Vinyl Acetate	3.34	43	445445	108.67	ug/l	99
24) 1,1-Dichloroethane	2.99	63	85974	22.81	ug/l	98
25) 2-Butanone	4.51	43	108018	98.39	ug/l	100
26) 2,2-Dichloropropane	3.76	77	62164	22.73	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	54885	20.18	ug/l	92
28) Bromochloromethane	3.89	49	39458	23.26	ug/l #	99
29) Tetrahydrofuran	4.25	42	50720	104.85	ug/l	95
30) Chloroform	4.04	83	121341	22.51	ug/l	88
31) Cyclohexane	3.87	56	61944	18.81	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	89998	22.36	ug/l	93
36) 1,1-Dichloropropene	4.45	75	76441	20.80	ug/l	94
37) Ethyl Acetate	4.29	43	46660	20.55	ug/l	96
38) Carbon Tetrachloride	4.16	117	94144m	23.64	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059232.D
 Acq On : 20 Jun 2018 18:13
 Operator : VA/AP
 Sample : VF0620SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0620SBSD01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:50 AM

Quant Time: Jun 21 07:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69851	18.65	ug/l	94
40) Benzene	4.80	78	172940	20.28	ug/l	98
41) Methacrylonitrile	4.91	41	21830	19.57	ug/l #	84
42) 1,2-Dichloroethane	5.11	62	94247	24.64	ug/l	97
43) Isopropyl Acetate	7.11	43	58970	19.39	ug/l #	93
44) Trichloroethene	5.67	130	61198	22.96	ug/l	100
45) 1,2-Dichloropropane	6.40	63	49636	20.18	ug/l	90
46) Dibromomethane	6.25	93	41938	22.66	ug/l	91
47) Bromodichloromethane	6.55	83	100903	23.97	ug/l	97
48) Methyl methacrylate	6.87	41	36824	19.64	ug/l	98
49) 1,4-Dioxane	6.86	88	5502	384.99	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	227752	109.27	ug/l	97
52) Toluene	7.77	92	130146	21.18	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	92736	22.75	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	96366	20.58	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	48776	21.91	ug/l	96
56) Ethyl methacrylate	8.76	69	58183	20.73	ug/l	96
57) 1,3-Dichloropropane	8.99	76	86088	22.61	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	25663	127.90	ug/l	100
59) 2-Hexanone	9.62	43	181789	110.27	ug/l	93
60) Dibromochloromethane	8.86	129	73174	22.87	ug/l	96
61) 1,2-Dibromoethane	9.13	107	57554	22.25	ug/l	99
64) Tetrachloroethene	8.30	164	59149	20.95	ug/l	94
65) Chlorobenzene	9.94	112	168224	22.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	68273	22.52	ug/l	97
67) Ethyl Benzene	10.04	91	279030	21.07	ug/l	100
68) m/p-Xylenes	10.26	106	203697	41.08	ug/l	90
69) o-Xylene	10.83	106	113159	21.12	ug/l	87
70) Styrene	10.90	104	176214	21.73	ug/l	98
71) Bromoform	10.89	173	47323	22.98	ug/l #	94
73) Isopropylbenzene	11.22	105	337832	20.20	ug/l	98
74) N-amyl acetate	11.46	43	113423	18.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	76449	19.28	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	58087	19.83	ug/l	92
77) Bromobenzene	11.60	156	86541	20.56	ug/l	84
78) n-propylbenzene	11.68	91	393931	19.90	ug/l	96
79) 2-Chlorotoluene	11.81	91	241199	20.62	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	292494	21.13	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36499	19.22	ug/l	93
82) 4-Chlorotoluene	11.99	91	259792	20.86	ug/l	99
83) tert-Butylbenzene	12.22	119	289052	21.03	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301551	21.02	ug/l	92
85) sec-Butylbenzene	12.38	105	418646	22.41	ug/l	99
86) p-Isopropyltoluene	12.54	119	335019	21.84	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	166421	21.41	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	157263	21.00	ug/l	98
89) n-Butylbenzene	12.92	91	345811	19.78	ug/l	95
90) Hexachloroethane	13.00	117	80058	21.19	ug/l	69
91) 1,2-Dichlorobenzene	13.02	146	167539	22.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15464	19.88	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059232.D
 Acq On : 20 Jun 2018 18:13
 Operator : VA/AP
 Sample : VF0620SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBSD01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:50 AM

Quant Time: Jun 21 07:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	117217	22.38	ug/l	94
94) Hexachlorobutadiene	14.26	225	69599	22.96	ug/l	96
95) Naphthalene	14.52	128	230173	20.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	106243	21.95	ug/l	97

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

