

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059247.D
 Acq On : 21 Jun 2018 2:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:28 AM

Quant Time: Jun 21 09:02:53 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	230699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	346927	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	356446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	217654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	168849	60.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.70%	
35) Dibromofluoromethane	4.29	113	142822	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
50) Toluene-d8	7.71	98	391001	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	11.51	95	203483	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	127420	48.80	ug/l	98
3) Chloromethane	1.08	50	81871m	40.48	ug/l	
4) Vinyl Chloride	1.14	62	80480	44.10	ug/l	97
5) Bromomethane	1.34	94	45194	42.51	ug/l	98
6) Chloroethane	1.43	64	36720	48.50	ug/l	97
7) Trichlorofluoromethane	1.49	101	167751m	59.14	ug/l	
8) Diethyl Ether	1.70	74	39757	55.71	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	84994	47.02	ug/l	96
10) Methyl Iodide	1.97	142	157846	49.90	ug/l	99
11) Tert butyl alcohol	2.70	59	50084	279.38	ug/l	96
12) 1,1-Dichloroethene	1.86	96	82879	54.52	ug/l	94
13) Acrolein	2.09	56	33188	213.89	ug/l	99
14) Allyl chloride	2.19	41	144164	48.32	ug/l	88
15) Acrylonitrile	3.08	53	102248	287.18	ug/l	96
16) Acetone	2.33	43	161713	242.08	ug/l #	88
17) Carbon Disulfide	1.87	76	184107	43.14	ug/l	97
18) Methyl Acetate	2.45	43	68408	59.57	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	285051	60.41	ug/l	99
20) Methylene Chloride	2.27	84	82921m	51.84	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	84797	50.86	ug/l	95
22) Diisopropyl ether	2.92	45	318342	54.28	ug/l	98
23) Vinyl Acetate	3.33	43	997659	257.99	ug/l	99
24) 1,1-Dichloroethane	2.99	63	196104	55.15	ug/l	99
25) 2-Butanone	4.51	43	234278	226.21	ug/l	99
26) 2,2-Dichloropropane	3.76	77	125308	48.58	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	130324	50.79	ug/l	95
28) Bromochloromethane	3.88	49	74800	46.74	ug/l #	88
29) Tetrahydrofuran	4.26	42	112662	246.88	ug/l	98
30) Chloroform	4.03	83	285579	56.14	ug/l	99
31) Cyclohexane	3.86	56	131141	42.22	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	210938	55.55	ug/l	94
36) 1,1-Dichloropropene	4.45	75	172862	51.41	ug/l	96
37) Ethyl Acetate	4.29	43	112101	53.95	ug/l	89
38) Carbon Tetrachloride	4.17	117	221138	60.68	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059247.D
 Acq On : 21 Jun 2018 2:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:28 AM

Quant Time: Jun 21 09:02:53 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	5.63	83	160462	46.81	ug/l	97
40) Benzene	4.81	78	383953	49.19	ug/l	96
41) Methacrylonitrile	4.93	41	56879	55.72	ug/l	96
42) 1,2-Dichloroethane	5.11	62	234357	66.95	ug/l	97
43) Isopropyl Acetate	7.10	43	145731	52.37	ug/l #	90
44) Trichloroethene	5.67	130	132029	54.14	ug/l	97
45) 1,2-Dichloropropane	6.39	63	113001	50.21	ug/l	94
46) Dibromomethane	6.25	93	97923	57.83	ug/l	99
47) Bromodichloromethane	6.54	83	240189	62.35	ug/l	97
48) Methyl methacrylate	6.87	41	94317	54.98	ug/l #	90
49) 1,4-Dioxane	6.87	88	11960	960.41	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	509255	267.01	ug/l	100
52) Toluene	7.77	92	288434	51.31	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	201050	53.89	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	221273	51.63	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	121078	59.43	ug/l	97
56) Ethyl methacrylate	8.76	69	146858	57.19	ug/l	98
57) 1,3-Dichloropropane	9.00	76	199306	57.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	51987	283.13	ug/l	100
59) 2-Hexanone	9.63	43	409169	271.22	ug/l	97
60) Dibromochloromethane	8.86	129	179615	61.35	ug/l	98
61) 1,2-Dibromoethane	9.13	107	140800	59.48	ug/l	96
64) Tetrachloroethene	8.31	164	144811	55.39	ug/l	91
65) Chlorobenzene	9.94	112	374881	53.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	160614	57.20	ug/l	95
67) Ethyl Benzene	10.04	91	663265	54.08	ug/l	99
68) m/p-Xylenes	10.27	106	448405	97.65	ug/l	94
69) o-Xylene	10.83	106	263199	53.04	ug/l	96
70) Styrene	10.90	104	393445	52.40	ug/l	96
71) Bromoform	10.89	173	112957	59.24	ug/l #	94
73) Isopropylbenzene	11.22	105	755792	50.16	ug/l	99
74) N-amyl acetate	11.46	43	266213	49.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	180373	50.49	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	135557	51.38	ug/l	98
77) Bromobenzene	11.60	156	202528	53.40	ug/l	82
78) n-propylbenzene	11.69	91	872567	48.92	ug/l	98
79) 2-Chlorotoluene	11.82	91	523452	49.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	627482	50.31	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	79445	46.44	ug/l	96
82) 4-Chlorotoluene	11.99	91	572227	51.01	ug/l	96
83) tert-Butylbenzene	12.22	119	653647	52.78	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	681124	52.71	ug/l	94
85) sec-Butylbenzene	12.39	105	857698	50.97	ug/l	99
86) p-Isopropyltoluene	12.54	119	699505	50.61	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	350884	50.11	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	359357	53.26	ug/l	99
89) n-Butylbenzene	12.92	91	716211	50.00	ug/l	99
90) Hexachloroethane	13.00	117	176231	51.78	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	356938	52.92	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	37418	53.39	ug/l	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
Data File : VF059247.D
Acq On : 21 Jun 2018 2:33
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
6/21/2018 9:46:28 AM

Quant Time: Jun 21 09:02:53 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	266836	56.56	ug/l	98
94) Hexachlorobutadiene	14.26	225	150465	55.11	ug/l	97
95) Naphthalene	14.53	128	604102	59.95	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	252630	57.94	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059247.D
 Acq On : 21 Jun 2018 2:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:28 AM

Quant Time: Jun 21 09:02:53 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

