

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060805.D
 Acq On : 20 Nov 2018 15:20
 Operator : VA/AP
 Sample : VF1120SBD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:01:45 PM

Quant Time: Nov 20 17:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	186532	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	293009	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	264476	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	145604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	99979	46.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	4.13	113	118725	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	7.56	98	272677	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.42	95	139248	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	74036	22.18	ug/l	96
3) Chloromethane	1.10	50	47949	23.16	ug/l	# 85
4) Vinyl Chloride	1.14	62	44600	24.08	ug/l	95
5) Bromomethane	1.33	94	25933	22.04	ug/l	89
6) Chloroethane	1.40	64	16727	23.08	ug/l	98
7) Trichlorofluoromethane	1.49	101	88203m	21.54	ug/l	
8) Diethyl Ether	1.63	74	11943	22.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45762	23.71	ug/l	99
10) Methyl Iodide	1.90	142	71109m	22.96	ug/l	
11) Tert butyl alcohol	2.58	59	13260	136.94	ug/l	98
12) 1,1-Dichloroethene	1.79	96	37777	24.82	ug/l	83
13) Acrolein	2.01	56	7285	82.28	ug/l	86
14) Allyl chloride	2.10	41	53799	20.18	ug/l	90
15) Acrylonitrile	2.94	53	25940	125.72	ug/l	96
16) Acetone	2.24	43	50717	111.52	ug/l	98
17) Carbon Disulfide	1.84	76	105908	23.03	ug/l	99
18) Methyl Acetate	2.35	43	19198	25.71	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	84978	23.28	ug/l	97
20) Methylene Chloride	2.19	84	40611m	25.47	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39742	25.00	ug/l	95
22) Diisopropyl ether	2.81	45	123043	23.91	ug/l	98
23) Vinyl Acetate	3.19	43	303040	125.03	ug/l	99
24) 1,1-Dichloroethane	2.88	63	71209	22.85	ug/l	99
25) 2-Butanone	4.35	43	86567	115.73	ug/l	97
26) 2,2-Dichloropropane	3.61	77	48081	19.61	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	61228	22.64	ug/l	96
28) Bromochloromethane	3.72	49	36357	22.45	ug/l	97
29) Tetrahydrofuran	4.08	42	37651	122.03	ug/l	96
30) Chloroform	3.86	83	111196	22.24	ug/l	99
31) Cyclohexane	3.69	56	87300	23.08	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	80956	20.56	ug/l	94
36) 1,1-Dichloropropene	4.29	75	80182	23.60	ug/l	97
37) Ethyl Acetate	4.12	43	32615	25.82	ug/l	# 67
38) Carbon Tetrachloride	3.99	117	69459	21.07	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060805.D
 Acq On : 20 Nov 2018 15:20
 Operator : VA/AP
 Sample : VF1120SBD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1120SBD01

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:01:45 PM

Quant Time: Nov 20 17:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	93020	23.59	ug/l	97
40) Benzene	4.64	78	183694	24.25	ug/l	99
41) Methacrylonitrile	4.75	41	17775	24.15	ug/l	91
42) 1,2-Dichloroethane	4.95	62	57496	21.96	ug/l	98
43) Isopropyl Acetate	6.97	43	39667	23.68	ug/l #	84
44) Trichloroethene	5.51	130	56767	23.75	ug/l	88
45) 1,2-Dichloropropane	6.25	63	47469	24.08	ug/l	91
46) Dibromomethane	6.10	93	31286	24.04	ug/l	99
47) Bromodichloromethane	6.40	83	79053	23.79	ug/l	96
48) Methyl methacrylate	6.72	41	27167	24.51	ug/l	96
49) 1,4-Dioxane	6.71	88	6176	595.68	ug/l	94
51) 4-Methyl-2-Pentanone	8.26	43	156168	128.90	ug/l	100
52) Toluene	7.63	92	116178	22.89	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	58727	22.07	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	79236	22.92	ug/l	90
55) 1,1,2-Trichloroethane	8.50	97	32531	22.43	ug/l	93
56) Ethyl methacrylate	8.63	69	38934	23.64	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58718	23.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	16711	111.06	ug/l	100
59) 2-Hexanone	9.50	43	115079	135.16	ug/l	98
60) Dibromochloromethane	8.73	129	45699	22.11	ug/l	95
61) 1,2-Dibromoethane	9.00	107	35244	23.11	ug/l	97
64) Tetrachloroethene	8.16	164	48296	23.06	ug/l	98
65) Chlorobenzene	9.81	112	119768	22.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	51908	22.30	ug/l	95
67) Ethyl Benzene	9.91	91	226247	22.49	ug/l	98
68) m/p-Xylenes	10.15	106	164759	45.83	ug/l	94
69) o-Xylene	10.72	106	89792	22.22	ug/l	99
70) Styrene	10.80	104	128958	23.51	ug/l	100
71) Bromoform	10.78	173	24021	22.95	ug/l	96
73) Isopropylbenzene	11.13	105	272655	23.26	ug/l	97
74) N-amyl acetate	11.38	43	72951	27.34	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	46837	24.17	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	31936	22.19	ug/l	99
77) Bromobenzene	11.51	156	57371	23.52	ug/l	87
78) n-propylbenzene	11.61	91	327689	23.97	ug/l	97
79) 2-Chlorotoluene	11.72	91	191121	24.06	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	226774	24.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	19141m	27.07	ug/l	
82) 4-Chlorotoluene	11.90	91	193959	23.83	ug/l	94
83) tert-Butylbenzene	12.14	119	239793	24.27	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	231677	24.07	ug/l	91
85) sec-Butylbenzene	12.32	105	323914	24.17	ug/l	98
86) p-Isopropyltoluene	12.46	119	276330	24.69	ug/l	93
87) 1,3-Dichlorobenzene	12.48	146	115954	23.88	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	108116	23.17	ug/l	91
89) n-Butylbenzene	12.85	91	285075	24.96	ug/l	96
90) Hexachloroethane	12.93	117	63807	23.31	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	109407	23.93	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7808	21.44	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060805.D
Acq On : 20 Nov 2018 15:20
Operator : VA/AP
Sample : VF1120SBD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Manual Integrations
APPROVED

apatel
11/21/2018 2:01:45 PM

Quant Time: Nov 20 17:13:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81084	24.68	ug/l	92
94) Hexachlorobutadiene	14.20	225	51839	24.14	ug/l	97
95) Naphthalene	14.47	128	146003	24.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72782	23.97	ug/l	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060805.D
Acq On : 20 Nov 2018 15:20
Operator : VA/AP
Sample : VF1120SBD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Manual Integrations
APPROVED

apatel
11/21/2018 2:01:45 PM

Quant Time: Nov 20 17:13:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

