

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061079.D
 Acq On : 19 Dec 2018 12:25
 Operator : VA/AP
 Sample : VF1219SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:20 AM

Quant Time: Dec 20 02:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	235916	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	414298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	366419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	180599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	134405	44.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.60%	
35) Dibromofluoromethane	4.11	113	159008	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
50) Toluene-d8	7.55	98	439283	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.41	95	198914	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	100394	19.144	ug/l	100
3) Chloromethane	1.10	50	64631	21.515	ug/l	98
4) Vinyl Chloride	1.14	62	58597	21.028	ug/l	88
5) Bromomethane	1.33	94	40713	21.064	ug/l	92
6) Chloroethane	1.39	64	24639	19.189	ug/l	94
7) Trichlorofluoromethane	1.48	101	101125m	19.006	ug/l	
8) Diethyl Ether	1.62	74	14833	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	54060	19.595	ug/l	90
10) Methyl Iodide	1.91	142	87435m	20.106	ug/l	
11) Tert butyl alcohol	2.56	59	11247	91.853	ug/l	94
12) 1,1-Dichloroethene	1.79	96	42724	20.544	ug/l	93
13) Acrolein	2.00	56	8039	90.858	ug/l	100
14) Allyl chloride	2.09	41	52259	24.148	ug/l	92
15) Acrylonitrile	2.93	53	28564	100.882	ug/l	88
16) Acetone	2.23	43	58098	95.779	ug/l #	92
17) Carbon Disulfide	1.83	76	132962m	21.157	ug/l	
18) Methyl Acetate	2.34	43	23117	18.420	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	86738	18.791	ug/l	99
20) Methylene Chloride	2.25	84	49721m	23.248	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	46645m	20.971	ug/l	
22) Diisopropyl ether	2.80	45	148228	20.562	ug/l	95
23) Vinyl Acetate	3.18	43	343594	103.318	ug/l	97
24) 1,1-Dichloroethane	2.87	63	88313	20.676	ug/l	99
25) 2-Butanone	4.35	43	100043	101.694	ug/l #	85
26) 2,2-Dichloropropane	3.60	77	53535	21.841	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	70239	20.627	ug/l	96
28) Bromochloromethane	3.71	49	46272	21.351	ug/l	94
29) Tetrahydrofuran	4.08	42	37467	93.573	ug/l	98
30) Chloroform	3.85	83	125834	19.648	ug/l	94
31) Cyclohexane	3.67	56	100687m	22.718	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	73863	19.242	ug/l #	88
36) 1,1-Dichloropropene	4.28	75	97116	19.420	ug/l	97
37) Ethyl Acetate	4.11	43	41039	18.958	ug/l	98
38) Carbon Tetrachloride	3.98	117	74155	19.472	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061079.D
 Acq On : 19 Dec 2018 12:25
 Operator : VA/AP
 Sample : VF1219SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:20 AM

Quant Time: Dec 20 02:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	96712	21.557	ug/l	96
40) Benzene	4.62	78	214561	19.951	ug/l	96
41) Methacrylonitrile	4.74	41	18894	17.890	ug/l	94
42) 1,2-Dichloroethane	4.94	62	74998	18.358	ug/l	98
43) Isopropyl Acetate	6.96	43	43420	17.982	ug/l #	97
44) Trichloroethene	5.49	130	70181	20.699	ug/l	95
45) 1,2-Dichloropropane	6.23	63	56447	19.292	ug/l	100
46) Dibromomethane	6.08	93	36128	19.038	ug/l	93
47) Bromodichloromethane	6.38	83	92079	18.675	ug/l	93
48) Methyl methacrylate	6.72	41	30129	17.873	ug/l	94
49) 1,4-Dioxane	6.71	88	4420	361.366	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	149804	90.460	ug/l	95
52) Toluene	7.62	92	142074	19.957	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	73890	18.576	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	98766	19.784	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	40750	19.095	ug/l	95
56) Ethyl methacrylate	8.62	69	41096	17.796	ug/l	96
57) 1,3-Dichloropropane	8.85	76	70422	18.245	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	38487	86.777	ug/l	97
59) 2-Hexanone	9.49	43	110407	92.190	ug/l	98
60) Dibromochloromethane	8.72	129	55805	18.242	ug/l	90
61) 1,2-Dibromoethane	8.98	107	42324	18.569	ug/l	95
64) Tetrachloroethene	8.15	164	57527	20.409	ug/l	92
65) Chlorobenzene	9.80	112	153885	20.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	61286	19.812	ug/l	96
67) Ethyl Benzene	9.90	91	285051	20.670	ug/l	99
68) m/p-Xylenes	10.13	106	201435	41.505	ug/l	98
69) o-Xylene	10.71	106	111370	20.691	ug/l	97
70) Styrene	10.79	104	151868	20.249	ug/l	98
71) Bromoform	10.77	173	26459	18.488	ug/l	91
73) Isopropylbenzene	11.12	105	333522	21.430	ug/l	96
74) N-amyl acetate	11.37	43	71775	20.773	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	50923	19.715	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	37281	19.395	ug/l	91
77) Bromobenzene	11.50	156	66788	19.935	ug/l	87
78) n-propylbenzene	11.60	91	385994	19.024	ug/l	100
79) 2-Chlorotoluene	11.71	91	223448	20.929	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	261737	20.424	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	15541m	18.815	ug/l	
82) 4-Chlorotoluene	11.90	91	218745	19.806	ug/l	97
83) tert-Butylbenzene	12.13	119	276787	20.989	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	273075	21.368	ug/l	100
85) sec-Butylbenzene	12.31	105	380893	22.133	ug/l	99
86) p-Isopropyltoluene	12.46	119	314819	22.039	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	128812	20.372	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	123976	20.153	ug/l	99
89) n-Butylbenzene	12.84	91	322167	19.656	ug/l	94
90) Hexachloroethane	12.92	117	73804	20.913	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	123386	20.601	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8415	17.754	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061079.D
Acq On : 19 Dec 2018 12:25
Operator : VA/AP
Sample : VF1219SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Manual Integrations
APPROVED

apatel
12/20/2018 10:29:20 AM

Quant Time: Dec 20 02:38:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87167	20.522	ug/l	95
94) Hexachlorobutadiene	14.19	225	55279	20.433	ug/l	97
95) Naphthalene	14.46	128	144942	18.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	76087	19.377	ug/l	95

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

