

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060612.D
 Acq On : 6 Nov 2018 14:33
 Operator : VA/AP
 Sample : VF1106SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Manual Integrations
 APPROVED

apatel
 11/7/2018 11:21:31 AM

Quant Time: Nov 06 14:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	256335	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	469378	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	398105	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	219506	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	153078	59.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	118.22%	
35) Dibromofluoromethane	4.13	113	181373	50.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	7.57	98	531197	49.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.43	95	245627	52.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	92454	33.170	ug/l	99
3) Chloromethane	1.09	50	66583	29.679	ug/l	100
4) Vinyl Chloride	1.15	62	58799	28.443	ug/l	99
5) Bromomethane	1.32	94	29130	25.104	ug/l	87
6) Chloroethane	1.38	64	19113	23.313	ug/l	92
7) Trichlorofluoromethane	1.49	101	98777	25.529	ug/l	92
8) Diethyl Ether	1.63	74	16480	22.981	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.82	101	55632	25.161	ug/l	99
10) Methyl Iodide	1.89	142	87137	23.949	ug/l	95
11) Tert butyl alcohol	2.58	59	17041	122.172	ug/l	94
12) 1,1-Dichloroethene	1.78	96	45635	24.506	ug/l	90
13) Acrolein	2.01	56	12496	131.070	ug/l	99
14) Allyl chloride	2.10	41	79597	26.177	ug/l	99
15) Acrylonitrile	2.96	53	36137	117.075	ug/l	97
16) Acetone	2.25	43	94843	155.407	ug/l	100
17) Carbon Disulfide	1.83	76	132325	25.226	ug/l	98
18) Methyl Acetate	2.35	43	23499	25.030	ug/l #	90
19) Methyl tert-butyl Ether	2.44	73	112212	25.777	ug/l	95
20) Methylene Chloride	2.19	84	48270m	23.814	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	50066	25.627	ug/l	96
22) Diisopropyl ether	2.81	45	159505	24.759	ug/l	97
23) Vinyl Acetate	3.20	43	447781	115.683	ug/l	100
24) 1,1-Dichloroethane	2.88	63	90774	24.347	ug/l	98
25) 2-Butanone	4.35	43	165808	128.925	ug/l	94
26) 2,2-Dichloropropane	3.62	77	67819	24.310	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	86358	23.155	ug/l	95
28) Bromochloromethane	3.74	49	56534	24.162	ug/l	98
29) Tetrahydrofuran	4.09	42	62596	133.467	ug/l	99
30) Chloroform	3.87	83	141263	23.948	ug/l	96
31) Cyclohexane	3.72	56	119540	23.234	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	103224	25.056	ug/l	98
36) 1,1-Dichloropropene	4.30	75	109040	21.098	ug/l	95
37) Ethyl Acetate	4.13	43	53219	21.451	ug/l	90
38) Carbon Tetrachloride	4.01	117	101609m	23.008	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060612.D
 Acq On : 6 Nov 2018 14:33
 Operator : VA/AP
 Sample : VF1106SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1106SBS01

Manual Integrations
 APPROVED

apatel
 11/7/2018 11:21:31 AM

Quant Time: Nov 06 14:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	141389	22.418	ug/l	95
40) Benzene	4.65	78	276869	22.070	ug/l	98
41) Methacrylonitrile	4.76	41	29247	20.817	ug/l	96
42) 1,2-Dichloroethane	4.96	62	74954	20.817	ug/l	99
43) Isopropyl Acetate	6.98	43	65607	20.906	ug/l #	99
44) Trichloroethene	5.52	130	83265	22.085	ug/l	97
45) 1,2-Dichloropropane	6.25	63	76862	23.956	ug/l	95
46) Dibromomethane	6.10	93	44408	21.817	ug/l	89
47) Bromodichloromethane	6.40	83	110501	22.507	ug/l	98
48) Methyl methacrylate	6.73	41	42780	21.691	ug/l	97
49) 1,4-Dioxane	6.71	88	7933	384.500	ug/l #	77
51) 4-Methyl-2-Pentanone	8.27	43	251926	119.379	ug/l	99
52) Toluene	7.64	92	163041	19.951	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	91007	21.328	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	114653	21.266	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	49760	20.925	ug/l	95
56) Ethyl methacrylate	8.64	69	60959	19.924	ug/l	97
57) 1,3-Dichloropropane	8.87	76	89651	21.486	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.64	63	22648	103.499	ug/l	100
59) 2-Hexanone	9.51	43	191398	124.077	ug/l	99
60) Dibromochloromethane	8.74	129	64001	19.244	ug/l	92
61) 1,2-Dibromoethane	9.00	107	55319	22.121	ug/l	97
64) Tetrachloroethene	8.17	164	62972	20.183	ug/l	93
65) Chlorobenzene	9.82	112	175442	21.550	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	72498	21.075	ug/l	95
67) Ethyl Benzene	9.92	91	314336	21.277	ug/l	99
68) m/p-Xylenes	10.15	106	249950	44.914	ug/l	98
69) o-Xylene	10.73	106	136521	22.466	ug/l	89
70) Styrene	10.81	104	189612	21.538	ug/l	100
71) Bromoform	10.79	173	38451	21.642	ug/l #	89
73) Isopropylbenzene	11.14	105	385903	22.542	ug/l	96
74) N-amyl acetate	11.38	43	104527	22.110	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	80176	25.659	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	34705	22.600	ug/l	94
77) Bromobenzene	11.51	156	81929	21.872	ug/l	98
78) n-propylbenzene	11.61	91	442188	22.077	ug/l	100
79) 2-Chlorotoluene	11.74	91	262044	22.909	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	308462	21.860	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.88	75	27092m	22.449	ug/l	
82) 4-Chlorotoluene	11.91	91	266154	22.302	ug/l	100
83) tert-Butylbenzene	12.14	119	325044	22.549	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	308706	22.340	ug/l	99
85) sec-Butylbenzene	12.32	105	449076	22.646	ug/l	98
86) p-Isopropyltoluene	12.48	119	367619	22.512	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	162295	22.074	ug/l	94
88) 1,4-Dichlorobenzene	12.58	146	155156	22.249	ug/l	98
89) n-Butylbenzene	12.86	91	368067	20.669	ug/l	95
90) Hexachloroethane	12.93	117	90567	21.809	ug/l	81
91) 1,2-Dichlorobenzene	12.96	146	159408	23.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	12820	23.615	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110618\
Data File : VF060612.D
Acq On : 6 Nov 2018 14:33
Operator : VA/AP
Sample : VF1106SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Manual Integrations
APPROVED

apatel
11/7/2018 11:21:31 AM

Quant Time: Nov 06 14:24:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	110285	23.601	ug/l	96
94) Hexachlorobutadiene	14.20	225	66636	22.007	ug/l	96
95) Naphthalene	14.47	128	202759	21.679	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	100008	22.656	ug/l	96

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

