

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059257.D
 Acq On : 21 Jun 2018 11:07
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
 APPROVED

apatel
 6/21/2018 4:19:31 PM

Quant Time: Jun 21 14:12:24 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	250639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	403097	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	399828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	253651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	162358m	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	4.29	113	148464	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	7.70	98	382375	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.51	95	209118	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	63372	22.34	ug/l	93
3) Chloromethane	1.08	50	37320	16.98	ug/l	92
4) Vinyl Chloride	1.15	62	39418	19.88	ug/l	99
5) Bromomethane	1.33	94	27473	23.78	ug/l	95
6) Chloroethane	1.42	64	18993	23.09	ug/l	89
7) Trichlorofluoromethane	1.48	101	76833m	24.93	ug/l	
8) Diethyl Ether	1.70	74	15755	20.32	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45637	23.24	ug/l	97
10) Methyl Iodide	1.95	142	76393	22.23	ug/l #	86
11) Tert butyl alcohol	2.67	59	18335	94.14	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	38254	23.16	ug/l	98
13) Acrolein	2.08	56	10830	64.24	ug/l	90
14) Allyl chloride	2.18	41	69301	21.38	ug/l	90
15) Acrylonitrile	3.07	53	38116	98.54	ug/l #	89
16) Acetone	2.33	43	96478m	132.93	ug/l	
17) Carbon Disulfide	1.84	76	84861	18.30	ug/l	100
18) Methyl Acetate	2.45	43	28136	22.55	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	127181	24.81	ug/l	94
20) Methylene Chloride	2.27	84	41177	23.70	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	38316	21.16	ug/l	87
22) Diisopropyl ether	2.92	45	143157	22.47	ug/l	100
23) Vinyl Acetate	3.32	43	488127	116.19	ug/l	99
24) 1,1-Dichloroethane	3.00	63	91537	23.70	ug/l	98
25) 2-Butanone	4.51	43	119144	105.89	ug/l	96
26) 2,2-Dichloropropane	3.76	77	68204	24.34	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	58643	21.04	ug/l	94
28) Bromochloromethane	3.89	49	42760	24.59	ug/l #	94
29) Tetrahydrofuran	4.25	42	51601	104.08	ug/l	97
30) Chloroform	4.03	83	129863	23.50	ug/l	97
31) Cyclohexane	3.87	56	64881	19.23	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	104245	25.27	ug/l	98
36) 1,1-Dichloropropene	4.45	75	86116	22.04	ug/l	94
37) Ethyl Acetate	4.28	43	49508	20.51	ug/l	99
38) Carbon Tetrachloride	4.16	117	104331m	24.64	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059257.D
 Acq On : 21 Jun 2018 11:07
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
 APPROVED

apatel
 6/21/2018 4:19:31 PM

Quant Time: Jun 21 14:12:24 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	80085	20.11	ug/l	92
40) Benzene	4.81	78	180200	19.87	ug/l	95
41) Methacrylonitrile	4.92	41	23551	19.86	ug/l	95
42) 1,2-Dichloroethane	5.11	62	98480	24.21	ug/l	97
43) Isopropyl Acetate	7.11	43	61068	18.89	ug/l #	95
44) Trichloroethene	5.67	130	63178	22.30	ug/l	100
45) 1,2-Dichloropropane	6.40	63	53409	20.42	ug/l #	88
46) Dibromomethane	6.25	93	43430	22.07	ug/l	97
47) Bromodichloromethane	6.55	83	105401	23.55	ug/l	94
48) Methyl methacrylate	6.87	41	37627	18.88	ug/l	96
49) 1,4-Dioxane	6.86	88	5027	330.65	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	238306	107.54	ug/l	97
52) Toluene	7.78	92	138252	21.16	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	97064	22.39	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	106351	21.36	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	53926	22.78	ug/l	98
56) Ethyl methacrylate	8.75	69	58995	19.77	ug/l	93
57) 1,3-Dichloropropane	9.00	76	88959	21.97	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	24168	113.28	ug/l	100
59) 2-Hexanone	9.62	43	203375	116.02	ug/l	94
60) Dibromochloromethane	8.86	129	78378	23.04	ug/l	99
61) 1,2-Dibromoethane	9.13	107	59639	21.68	ug/l	97
64) Tetrachloroethene	8.30	164	61371	20.93	ug/l	97
65) Chlorobenzene	9.94	112	178859	22.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	72005	22.86	ug/l	99
67) Ethyl Benzene	10.04	91	313710	22.80	ug/l	99
68) m/p-Xylenes	10.26	106	213633	41.48	ug/l	88
69) o-Xylene	10.82	106	121245	21.78	ug/l	92
70) Styrene	10.90	104	180681	21.45	ug/l	97
71) Bromoform	10.88	173	49005	22.91	ug/l #	94
73) Isopropylbenzene	11.23	105	366402	20.86	ug/l	99
74) N-amyl acetate	11.47	43	118792	18.94	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	83140	19.97	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	62761	20.41	ug/l	99
77) Bromobenzene	11.59	156	90045	20.37	ug/l	91
78) n-propylbenzene	11.68	91	428309	20.61	ug/l	94
79) 2-Chlorotoluene	11.81	91	255902	20.84	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	314260	21.62	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	38565	19.34	ug/l	99
82) 4-Chlorotoluene	11.99	91	265447	20.30	ug/l	94
83) tert-Butylbenzene	12.21	119	318116	22.04	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	315083	20.92	ug/l	93
85) sec-Butylbenzene	12.39	105	420176	21.43	ug/l	98
86) p-Isopropyltoluene	12.54	119	355560	22.07	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	183495	22.49	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	177598	22.59	ug/l	97
89) n-Butylbenzene	12.91	91	367644	20.06	ug/l	91
90) Hexachloroethane	12.99	117	88741	22.37	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	174339	22.18	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16892	20.68	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
Data File : VF059257.D
Acq On : 21 Jun 2018 11:07
Operator : VA/AP
Sample : VF0620SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Manual Integrations
APPROVED

apatel
6/21/2018 4:19:31 PM

Quant Time: Jun 21 14:12:24 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	127614	23.21	ug/l	95
94) Hexachlorobutadiene	14.26	225	75550	23.75	ug/l	97
95) Naphthalene	14.52	128	247996	21.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	119684	23.56	ug/l	93

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

