

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061471.D
 Acq On : 21 Jan 2019 14:02
 Operator : VA/AP
 Sample : VF0121SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:26 PM

Quant Time: Jan 22 06:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	180478	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.59	114	315974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	275268	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	142969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	102315	45.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.84%	
35) Dibromofluoromethane	4.11	113	116522	46.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.46%	
50) Toluene-d8	7.56	98	320974	46.99	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.40	95	146547	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	70855	19.981	ug/l	98
3) Chloromethane	1.10	50	62573	24.065	ug/l	99
4) Vinyl Chloride	1.14	62	56627	24.482	ug/l	97
5) Bromomethane	1.32	94	33497	22.209	ug/l	86
6) Chloroethane	1.38	64	24487	23.892	ug/l	98
7) Trichlorofluoromethane	1.47	101	93679	20.834	ug/l	96
8) Diethyl Ether	1.63	74	13270	23.032	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	50211	23.240	ug/l	96
10) Methyl Iodide	1.90	142	77848m	23.242	ug/l	
11) Tert butyl alcohol	2.57	59	9642	102.230	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	40169	25.025	ug/l	88
13) Acrolein	1.99	56	7695	101.141	ug/l	96
14) Allyl chloride	2.09	41	60123	34.814	ug/l	97
15) Acrylonitrile	2.94	53	28703	118.807	ug/l	91
16) Acetone	2.23	43	59367	132.809	ug/l	99
17) Carbon Disulfide	1.81	76	121980	24.372	ug/l	98
18) Methyl Acetate	2.34	43	21756	24.542	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	73445	20.411	ug/l	99
20) Methylene Chloride	2.18	84	54122m	35.146	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39635	22.443	ug/l	94
22) Diisopropyl ether	2.79	45	137300	24.036	ug/l	98
23) Vinyl Acetate	3.19	43	301486	121.654	ug/l	99
24) 1,1-Dichloroethane	2.87	63	81352	22.691	ug/l	97
25) 2-Butanone	4.32	43	88958	119.670	ug/l	97
26) 2,2-Dichloropropane	3.60	77	49824	22.620	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	59015	22.637	ug/l	95
28) Bromochloromethane	3.72	49	36664	22.751	ug/l #	99
29) Tetrahydrofuran	4.08	42	34256	107.022	ug/l	96
30) Chloroform	3.86	83	106246	21.959	ug/l	98
31) Cyclohexane	3.69	56	87550	24.447	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	82125	23.149	ug/l	97
36) 1,1-Dichloropropene	4.28	75	82073	22.403	ug/l #	94
37) Ethyl Acetate	4.11	43	29947	20.449	ug/l #	93
38) Carbon Tetrachloride	3.99	117	69750	21.778	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061471.D
 Acq On : 21 Jan 2019 14:02
 Operator : VA/AP
 Sample : VF0121SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:26 PM

Quant Time: Jan 22 06:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	96364	24.271	ug/l	94
40) Benzene	4.64	78	195980	24.041	ug/l	99
41) Methacrylonitrile	4.75	41	17913	22.988	ug/l	95
42) 1,2-Dichloroethane	4.94	62	60922	20.972	ug/l	98
43) Isopropyl Acetate	6.96	43	40549	22.062	ug/l #	94
44) Trichloroethene	5.51	130	58002	23.194	ug/l	98
45) 1,2-Dichloropropane	6.24	63	50398	23.556	ug/l	92
46) Dibromomethane	6.09	93	29236	20.550	ug/l	93
47) Bromodichloromethane	6.38	83	74788	21.247	ug/l	98
48) Methyl methacrylate	6.72	41	24101	19.527	ug/l #	87
49) 1,4-Dioxane	6.70	88	3380	347.002	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	158225	117.099	ug/l	98
52) Toluene	7.63	92	108656	20.240	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	61374	21.958	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	78837	22.565	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	33749	22.138	ug/l	97
56) Ethyl methacrylate	8.62	69	39248	22.129	ug/l	92
57) 1,3-Dichloropropane	8.85	76	61227	21.427	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	20635	126.255	ug/l	94
59) 2-Hexanone	9.49	43	118116	125.359	ug/l	100
60) Dibromochloromethane	8.71	129	46647	20.930	ug/l	94
61) 1,2-Dibromoethane	8.98	107	37221	21.328	ug/l	98
64) Tetrachloroethene	8.16	164	45500	21.980	ug/l	92
65) Chlorobenzene	9.80	112	128055	22.876	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	52084	23.357	ug/l	96
67) Ethyl Benzene	9.90	91	242593	23.720	ug/l	100
68) m/p-Xylenes	10.13	106	176791	48.061	ug/l	100
69) o-Xylene	10.71	106	95942	24.065	ug/l	95
70) Styrene	10.78	104	127866	23.430	ug/l	98
71) Bromoform	10.77	173	22380	22.337	ug/l #	98
73) Isopropylbenzene	11.13	105	287003	24.682	ug/l	99
74) N-amyl acetate	11.37	43	69372	25.230	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	48852	23.583	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	33101	22.238	ug/l	87
77) Bromobenzene	11.49	156	58092	23.656	ug/l	91
78) n-propylbenzene	11.59	91	334955	22.198	ug/l	97
79) 2-Chlorotoluene	11.72	91	187409	23.229	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	231197	24.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	15908m	24.586	ug/l	
82) 4-Chlorotoluene	11.90	91	185217	22.750	ug/l	97
83) tert-Butylbenzene	12.13	119	224918	23.157	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	217287	22.480	ug/l	95
85) sec-Butylbenzene	12.30	105	332358	25.198	ug/l	94
86) p-Isopropyltoluene	12.46	119	263847	24.368	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	109559	21.266	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	105530	22.741	ug/l	99
89) n-Butylbenzene	12.84	91	272508	24.404	ug/l	98
90) Hexachloroethane	12.91	117	60667	23.769	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	101331	22.058	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7572	20.609	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061471.D
 Acq On : 21 Jan 2019 14:02
 Operator : VA/AP
 Sample : VF0121SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:26 PM

Quant Time: Jan 22 06:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	69329	21.543	ug/l	100
94) Hexachlorobutadiene	14.19	225	43449	21.758	ug/l	98
95) Naphthalene	14.45	128	118215	19.335	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	56151	18.849	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
Data File : VF061471.D
Acq On : 21 Jan 2019 14:02
Operator : VA/AP
Sample : VF0121SBSD01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBSD01

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:26 PM

Quant Time: Jan 22 06:51:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

