

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
 Acq On : 17 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:50 PM

Quant Time: Jan 18 04:15:34 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	4.86	168	183982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	321289	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	298201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141431	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112503	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
35) Dibromofluoromethane	4.10	113	125292	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
50) Toluene-d8	7.54	98	360297	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.40	95	161486	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	175187	48.461	ug/l	92
3) Chloromethane	1.09	50	129887	49.002	ug/l	94
4) Vinyl Chloride	1.13	62	119124	50.522	ug/l	98
5) Bromomethane	1.32	94	76538	49.779	ug/l	91
6) Chloroethane	1.39	64	47947	45.892	ug/l	95
7) Trichlorofluoromethane	1.47	101	203755	44.451	ug/l	97
8) Diethyl Ether	1.62	74	30755	52.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	102816	46.681	ug/l	95
10) Methyl Iodide	1.90	142	168559m	49.365	ug/l	
11) Tert butyl alcohol	2.56	59	23267	241.991	ug/l	97
12) 1,1-Dichloroethene	1.78	96	85047	51.974	ug/l	94
13) Acrolein	2.00	56	24636	295.513	ug/l	97
14) Allyl chloride	2.09	41	120623	66.339	ug/l	93
15) Acrylonitrile	2.93	53	64862	263.363	ug/l	97
16) Acetone	2.22	43	120684	264.839	ug/l	99
17) Carbon Disulfide	1.81	76	253062	49.599	ug/l	98
18) Methyl Acetate	2.34	43	46614	51.581	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	171640	46.791	ug/l	97
20) Methylene Chloride	2.17	84	83322m	54.006	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	86495	48.043	ug/l	95
22) Diisopropyl ether	2.79	45	299240	51.388	ug/l	99
23) Vinyl Acetate	3.17	43	693010	270.307	ug/l	99
24) 1,1-Dichloroethane	2.86	63	191022	52.267	ug/l	98
25) 2-Butanone	4.32	43	205473	271.148	ug/l	97
26) 2,2-Dichloropropane	3.58	77	100819	44.899	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	138200	52.002	ug/l	96
28) Bromochloromethane	3.70	49	84079	51.179	ug/l #	99
29) Tetrahydrofuran	4.05	42	79386	243.292	ug/l	97
30) Chloroform	3.84	83	253523	51.400	ug/l	99
31) Cyclohexane	3.67	56	189525	51.914	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	168390	46.561	ug/l	96
36) 1,1-Dichloropropene	4.27	75	187633	50.369	ug/l	96
37) Ethyl Acetate	4.10	43	73609	49.433	ug/l #	77
38) Carbon Tetrachloride	3.98	117	154640	47.484	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
 Acq On : 17 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:50 PM

Quant Time: Jan 18 04:15:34 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	5.44	83	201809	49.989	ug/l	99
40) Benzene	4.62	78	429079	51.764	ug/l	99
41) Methacrylonitrile	4.73	41	40429	51.025	ug/l	94
42) 1,2-Dichloroethane	4.93	62	141819	48.012	ug/l	98
43) Isopropyl Acetate	6.94	43	99098	53.025	ug/l #	86
44) Trichloroethene	5.49	130	130162	51.188	ug/l	98
45) 1,2-Dichloropropane	6.22	63	112388	51.660	ug/l	94
46) Dibromomethane	6.07	93	72997	50.462	ug/l	92
47) Bromodichloromethane	6.37	83	185431	51.809	ug/l	99
48) Methyl methacrylate	6.70	41	66344	52.865	ug/l #	88
49) 1,4-Dioxane	6.69	88	9115	1043.522	ug/l	84
51) 4-Methyl-2-Pentanone	8.24	43	315086	229.331	ug/l	100
52) Toluene	7.61	92	274038	50.202	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	137935	48.534	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	191102	53.794	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	82776	53.400	ug/l	95
56) Ethyl methacrylate	8.61	69	93425	51.804	ug/l	96
57) 1,3-Dichloropropane	8.84	76	149415	51.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	50019	262.896	ug/l	98
59) 2-Hexanone	9.47	43	252000	263.028	ug/l	99
60) Dibromochloromethane	8.71	129	115728	51.067	ug/l	99
61) 1,2-Dibromoethane	8.97	107	89672	50.532	ug/l	92
64) Tetrachloroethene	8.13	164	105998	47.268	ug/l	96
65) Chlorobenzene	9.78	112	306007	50.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	115939	47.993	ug/l	96
67) Ethyl Benzene	9.89	91	540487	48.783	ug/l	99
68) m/p-Xylenes	10.12	106	394356	98.962	ug/l	98
69) o-Xylene	10.70	106	218907	50.686	ug/l	97
70) Styrene	10.78	104	287564	48.642	ug/l	99
71) Bromoform	10.76	173	55281	50.931	ug/l	94
73) Isopropylbenzene	11.11	105	620461	53.940	ug/l	99
74) N-amyl acetate	11.36	43	145826	53.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	107523	52.471	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	76755	52.128	ug/l	95
77) Bromobenzene	11.49	156	132405	54.503	ug/l	99
78) n-propylbenzene	11.59	91	702170	50.137	ug/l	100
79) 2-Chlorotoluene	11.70	91	418691	52.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	492702	53.076	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	33021m	51.588	ug/l	
82) 4-Chlorotoluene	11.89	91	415326	51.569	ug/l	96
83) tert-Butylbenzene	12.12	119	503504	52.404	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	488792	51.118	ug/l	98
85) sec-Butylbenzene	12.30	105	656797	50.337	ug/l	98
86) p-Isopropyltoluene	12.45	119	562911	52.554	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	240490	49.773	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	238234	51.896	ug/l	99
89) n-Butylbenzene	12.83	91	573216	51.892	ug/l	97
90) Hexachloroethane	12.91	117	138316	54.782	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	229154	50.425	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18052	49.667	ug/l	65

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061450.D
Acq On : 17 Jan 2019 17:50
Operator : VA/AP
Sample : VSTDCCC050
Misc : 6.50g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
1/18/2019 3:42:50 PM

Quant Time: Jan 18 04:15:34 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	14.19	180	153487	48.213	ug/l	99
94) Hexachlorobutadiene	14.18	225	96119	48.657	ug/l	98
95) Naphthalene	14.45	128	288048	47.624	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	145682	49.435	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
 Acq On : 17 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 Client Sample ID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:50 PM

Quant Time: Jan 18 04:15:34 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

