

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061760.D
 Acq On : 27 Feb 2019 00:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:21:07 PM

Quant Time: Feb 27 04:57:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	275336	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	422966	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.74	117	386212	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	205686	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	105828	52.41	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.82%	
35) Dibromofluoromethane	4.08	113	159101	50.65	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	7.53	98	454343	50.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.39	95	185450	50.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	138111	43.679	ug/l	94
3) Chloromethane	1.10	50	143134	43.144	ug/l	97
4) Vinyl Chloride	1.14	62	140407	45.526	ug/l	95
5) Bromomethane	1.32	94	107946	50.855	ug/l	99
6) Chloroethane	1.37	64	71396	46.975	ug/l	92
7) Trichlorofluoromethane	1.47	101	184429	49.580	ug/l	95
8) Diethyl Ether	1.62	74	43131	46.010	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	130277	48.548	ug/l	89
10) Methyl Iodide	1.89	142	248287m	48.436	ug/l	
11) Tert butyl alcohol	2.56	59	26921	230.386	ug/l	93
12) 1,1-Dichloroethene	1.78	96	109737	46.511	ug/l	94
13) Acrolein	1.98	56	36078	245.660	ug/l	98
14) Allyl chloride	2.08	41	128621	44.426	ug/l	96
15) Acrylonitrile	2.92	53	88005	212.328	ug/l	96
16) Acetone	2.22	43	86346	199.320	ug/l	92
17) Carbon Disulfide	1.83	76	323467	43.616	ug/l	98
18) Methyl Acetate	2.33	43	51968	53.251	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	206682	51.257	ug/l	99
20) Methylene Chloride	2.16	84	115652m	49.812	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	115563	45.057	ug/l	93
22) Diisopropyl ether	2.78	45	348612	50.162	ug/l	96
23) Vinyl Acetate	3.17	43	759514	223.753	ug/l	97
24) 1,1-Dichloroethane	2.85	63	201569	47.928	ug/l	99
25) 2-Butanone	4.31	43	196998	208.187	ug/l	98
26) 2,2-Dichloropropane	3.57	77	86102	48.333	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	156942	46.619	ug/l	95
28) Bromochloromethane	3.69	49	108809	53.921	ug/l	94
29) Tetrahydrofuran	4.04	42	88370	205.473	ug/l	97
30) Chloroform	3.83	83	232797	48.673	ug/l	99
31) Cyclohexane	3.66	56	198246	43.543	ug/l	96
32) 1,1,1-Trichloroethane	4.06	97	159077	50.774	ug/l	98
36) 1,1-Dichloropropene	4.25	75	176762	42.187	ug/l	97
37) Ethyl Acetate	4.08	43	81331	41.791	ug/l #	83
38) Carbon Tetrachloride	3.96	117	129625	44.803	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061760.D
 Acq On : 27 Feb 2019 00:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:21:07 PM

Quant Time: Feb 27 04:57:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215784	43.546	ug/l	99
40) Benzene	4.61	78	492805	44.966	ug/l	99
41) Methacrylonitrile	4.73	41	45504	45.721	ug/l #	92
42) 1,2-Dichloroethane	4.91	62	129434	49.372	ug/l	93
43) Isopropyl Acetate	6.93	43	101750	44.169	ug/l	92
44) Trichloroethene	5.47	130	161461	45.558	ug/l	100
45) 1,2-Dichloropropane	6.21	63	120953	45.658	ug/l	95
46) Dibromomethane	6.06	93	78444	48.093	ug/l	91
47) Bromodichloromethane	6.36	83	173670	48.621	ug/l	97
48) Methyl methacrylate	6.69	41	64916	46.827	ug/l	97
49) 1,4-Dioxane	6.68	88	11917	914.446	ug/l #	79
51) 4-Methyl-2-Pentanone	8.24	43	347895	211.355	ug/l	99
52) Toluene	7.59	92	295507	44.458	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	132313	44.508	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	189679	47.902	ug/l	98
55) 1,1,2-Trichloroethane	8.46	97	92669	47.452	ug/l	95
56) Ethyl methacrylate	8.59	69	103486	47.596	ug/l	98
57) 1,3-Dichloropropane	8.83	76	157245	48.240	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	96611	257.532	ug/l	96
59) 2-Hexanone	9.47	43	237477	205.819	ug/l	96
60) Dibromochloromethane	8.69	129	134172	49.361	ug/l	99
61) 1,2-Dibromoethane	8.96	107	96094	45.366	ug/l	98
64) Tetrachloroethene	8.13	164	148977	47.192	ug/l	98
65) Chlorobenzene	9.77	112	360500	45.999	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.90	131	137336	44.721	ug/l	99
67) Ethyl Benzene	9.87	91	571285	43.834	ug/l	96
68) m/p-Xylenes	10.11	106	437054	87.622	ug/l	97
69) o-Xylene	10.69	106	242440	45.551	ug/l	99
70) Styrene	10.77	104	345558	45.894	ug/l	98
71) Bromoform	10.75	173	74888	44.908	ug/l	99
73) Isopropylbenzene	11.11	105	666675	45.524	ug/l	98
74) N-amyl acetate	11.35	43	153737	43.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	116273	44.318	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	79379	44.501	ug/l	99
77) Bromobenzene	11.48	156	167682	46.349	ug/l	94
78) n-propylbenzene	11.58	91	735590	43.772	ug/l	98
79) 2-Chlorotoluene	11.70	91	432320	45.935	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	525870	44.929	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	38405m	44.910	ug/l	
82) 4-Chlorotoluene	11.88	91	439455	44.986	ug/l	100
83) tert-Butylbenzene	12.11	119	590759	45.570	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	540463	46.479	ug/l	98
85) sec-Butylbenzene	12.29	105	772936	46.106	ug/l	99
86) p-Isopropyltoluene	12.45	119	627093	44.571	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	300926	42.666	ug/l	94
88) 1,4-Dichlorobenzene	12.54	146	308429	45.471	ug/l	98
89) n-Butylbenzene	12.83	91	590353	44.436	ug/l	95
90) Hexachloroethane	12.90	117	155411	47.495	ug/l	98
91) 1,2-Dichlorobenzene	12.92	146	301055	44.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	18645	44.823	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022619\
Data File : VF061760.D
Acq On : 27 Feb 2019 00:44
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/27/2019 3:21:07 PM

Quant Time: Feb 27 04:57:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	214515	44.611	ug/l	97
94) Hexachlorobutadiene	14.17	225	145483	48.989	ug/l	98
95) Naphthalene	14.44	128	393206	46.737	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	201042	45.552	ug/l	100

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

