

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061514.D
 Acq On : 25 Jan 2019 11:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:01 PM

Quant Time: Jan 28 00:28:51 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	189328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	351132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	289066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	139249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	107619	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	4.11	113	125975	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
50) Toluene-d8	7.54	98	351467	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	11.41	95	154832	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	174635	46.945	ug/l	91
3) Chloromethane	1.09	50	132290	48.499	ug/l	99
4) Vinyl Chloride	1.14	62	120485	49.656	ug/l	98
5) Bromomethane	1.32	94	86074	54.400	ug/l	93
6) Chloroethane	1.40	64	58247	54.176	ug/l	95
7) Trichlorofluoromethane	1.48	101	202506	42.931	ug/l	92
8) Diethyl Ether	1.63	74	29284	48.451	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100720	44.438	ug/l	96
10) Methyl Iodide	1.91	142	173570m	49.398	ug/l	
11) Tert butyl alcohol	2.57	59	23241	234.895	ug/l	99
12) 1,1-Dichloroethene	1.79	96	87998	52.259	ug/l	84
13) Acrolein	2.00	56	26479	308.192	ug/l	95
14) Allyl chloride	2.09	41	128530	68.188	ug/l	91
15) Acrylonitrile	2.94	53	67847	267.704	ug/l	97
16) Acetone	2.24	43	127751	272.431	ug/l	98
17) Carbon Disulfide	1.81	76	266319m	50.723	ug/l	
18) Methyl Acetate	2.35	43	49062	52.757	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	179954	47.673	ug/l	99
20) Methylene Chloride	2.18	84	84862m	53.433	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	88513	47.776	ug/l	98
22) Diisopropyl ether	2.79	45	300913	50.216	ug/l	98
23) Vinyl Acetate	3.18	43	715822	271.309	ug/l	100
24) 1,1-Dichloroethane	2.87	63	177576	47.216	ug/l	96
25) 2-Butanone	4.33	43	215471	276.312	ug/l	98
26) 2,2-Dichloropropane	3.60	77	104980	45.432	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	144076	52.682	ug/l	98
28) Bromochloromethane	3.72	49	80483	47.607	ug/l	97
29) Tetrahydrofuran	4.06	42	81997	244.198	ug/l	98
30) Chloroform	3.85	83	257475	50.727	ug/l	100
31) Cyclohexane	3.69	56	182357m	48.540	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	152007m	40.844	ug/l	
36) 1,1-Dichloropropene	4.28	75	196818	48.344	ug/l	99
37) Ethyl Acetate	4.11	43	76053	46.733	ug/l #	78
38) Carbon Tetrachloride	3.98	117	143731	40.383	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061514.D
 Acq On : 25 Jan 2019 11:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:01 PM

Quant Time: Jan 28 00:28:51 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	189363	42.920	ug/l	99
40) Benzene	4.62	78	416879	46.018	ug/l	98
41) Methacrylonitrile	4.74	41	43252	49.948	ug/l	94
42) 1,2-Dichloroethane	4.94	62	147504	45.693	ug/l	98
43) Isopropyl Acetate	6.95	43	96831	47.408	ug/l	91
44) Trichloroethene	5.49	130	133122	47.903	ug/l	97
45) 1,2-Dichloropropane	6.23	63	115267	48.480	ug/l	98
46) Dibromomethane	6.08	93	76336	48.285	ug/l	93
47) Bromodichloromethane	6.38	83	183217	46.840	ug/l	100
48) Methyl methacrylate	6.72	41	64204	46.812	ug/l	94
49) 1,4-Dioxane	6.70	88	9950	1042.215	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	356978	237.739	ug/l	99
52) Toluene	7.62	92	263936	44.242	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	142316	45.819	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	197558	50.885	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	82512	48.706	ug/l	98
56) Ethyl methacrylate	8.61	69	85802	43.533	ug/l	97
57) 1,3-Dichloropropane	8.85	76	146479	46.130	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	79613	370.318	ug/l	99
59) 2-Hexanone	9.49	43	247821	236.682	ug/l	97
60) Dibromochloromethane	8.71	129	117633	47.496	ug/l	98
61) 1,2-Dibromoethane	8.98	107	85109	43.884	ug/l	96
64) Tetrachloroethene	8.15	164	112277	51.650	ug/l	96
65) Chlorobenzene	9.79	112	294114	50.033	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	121192	51.753	ug/l	96
67) Ethyl Benzene	9.89	91	541666	50.434	ug/l	99
68) m/p-Xylenes	10.13	106	381569	98.779	ug/l	95
69) o-Xylene	10.71	106	214192	51.161	ug/l	94
70) Styrene	10.78	104	275989	48.159	ug/l	98
71) Bromoform	10.77	173	55288	52.547	ug/l #	98
73) Isopropylbenzene	11.12	105	621539	54.880	ug/l	99
74) N-amyl acetate	11.37	43	153098	57.168	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	108586	53.820	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	74398	51.319	ug/l	96
77) Bromobenzene	11.49	156	129010	53.938	ug/l	90
78) n-propylbenzene	11.59	91	721489	52.653	ug/l	99
79) 2-Chlorotoluene	11.72	91	412885	52.544	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	491429	53.768	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	33560m	53.252	ug/l	
82) 4-Chlorotoluene	11.89	91	413954	52.204	ug/l	98
83) tert-Butylbenzene	12.13	119	521569	55.135	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	484615	51.476	ug/l	95
85) sec-Butylbenzene	12.30	105	711413	55.377	ug/l	96
86) p-Isopropyltoluene	12.46	119	557843	52.897	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	231250	48.475	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	232768	51.500	ug/l	95
89) n-Butylbenzene	12.84	91	580810	53.403	ug/l	97
90) Hexachloroethane	12.91	117	141986	57.116	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	223782	50.015	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19526	54.564	ug/l	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
Data File : VF061514.D
Acq On : 25 Jan 2019 11:21
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:48:01 PM

Quant Time: Jan 28 00:28:51 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	161550	51.541	ug/l	95
94) Hexachlorobutadiene	14.18	225	103728	53.332	ug/l	98
95) Naphthalene	14.45	128	314209	52.763	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	146473	50.482	ug/l	96

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

