

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060885.D
 Acq On : 30 Nov 2018 00:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:28 PM

Quant Time: Nov 30 06:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	197002	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	334850	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	301095	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	152420	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	122832	52.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	4.12	113	124687	46.94	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	7.56	98	364632	46.60	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.42	95	167655	47.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	139715	47.432	ug/l	100
3) Chloromethane	1.10	50	90989	47.471	ug/l	93
4) Vinyl Chloride	1.14	62	87427	48.899	ug/l	98
5) Bromomethane	1.33	94	62877	49.874	ug/l	99
6) Chloroethane	1.39	64	41610	53.840	ug/l	100
7) Trichlorofluoromethane	1.49	101	191803	50.000	ug/l	95
8) Diethyl Ether	1.63	74	27404	49.679	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	96719	49.872	ug/l	98
10) Methyl Iodide	1.90	142	152161m	51.619	ug/l	
11) Tert butyl alcohol	2.57	59	22431	235.785	ug/l #	88
12) 1,1-Dichloroethene	1.79	96	76392	48.973	ug/l	92
13) Acrolein	2.00	56	19917	220.967	ug/l	96
14) Allyl chloride	2.10	41	102687	52.816	ug/l	99
15) Acrylonitrile	2.94	53	53719	251.870	ug/l	97
16) Acetone	2.24	43	95958	224.222	ug/l	94
17) Carbon Disulfide	1.84	76	202816	48.492	ug/l	96
18) Methyl Acetate	2.34	43	43500	60.948	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	178941	50.933	ug/l	98
20) Methylene Chloride	2.25	84	76853m	48.951	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	79591	52.925	ug/l	99
22) Diisopropyl ether	2.80	45	277525	52.440	ug/l	95
23) Vinyl Acetate	3.19	43	626928	259.155	ug/l	99
24) 1,1-Dichloroethane	2.88	63	167596	53.228	ug/l	99
25) 2-Butanone	4.34	43	176243	238.095	ug/l	96
26) 2,2-Dichloropropane	3.61	77	90135	44.155	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	119108	48.650	ug/l	96
28) Bromochloromethane	3.73	49	74080	49.023	ug/l	94
29) Tetrahydrofuran	4.07	42	73366	233.822	ug/l	98
30) Chloroform	3.86	83	240174	49.562	ug/l	98
31) Cyclohexane	3.70	56	154624m	47.318	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	147556	43.905	ug/l	95
36) 1,1-Dichloropropene	4.29	75	177558	47.807	ug/l	97
37) Ethyl Acetate	4.12	43	71049	47.074	ug/l #	93
38) Carbon Tetrachloride	3.99	117	151074	46.053	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060885.D
 Acq On : 30 Nov 2018 00:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:28 PM

Quant Time: Nov 30 06:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	186957	48.033	ug/l	98
40) Benzene	4.64	78	393308	47.935	ug/l	100
41) Methacrylonitrile	4.75	41	40332	51.748	ug/l	91
42) 1,2-Dichloroethane	4.95	62	146000	48.740	ug/l	98
43) Isopropyl Acetate	6.96	43	86347	46.160	ug/l #	94
44) Trichloroethene	5.51	130	123282	45.953	ug/l	95
45) 1,2-Dichloropropane	6.24	63	100924	47.361	ug/l	93
46) Dibromomethane	6.09	93	70435	48.725	ug/l	97
47) Bromodichloromethane	6.39	83	183378	47.762	ug/l	98
48) Methyl methacrylate	6.72	41	59078	43.243	ug/l	94
49) 1,4-Dioxane	6.71	88	10047	1004.843	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	318494	228.835	ug/l	97
52) Toluene	7.63	92	253515	43.987	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	139437	44.648	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	176470	45.643	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	79220	47.172	ug/l	98
56) Ethyl methacrylate	8.63	69	84345	45.211	ug/l	96
57) 1,3-Dichloropropane	8.85	76	132338	45.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	42138	220.825	ug/l	95
59) 2-Hexanone	9.50	43	213578	218.732	ug/l	100
60) Dibromochloromethane	8.73	129	112204	44.842	ug/l	98
61) 1,2-Dibromoethane	8.99	107	79834	44.005	ug/l	94
64) Tetrachloroethene	8.15	164	113880	49.518	ug/l	97
65) Chlorobenzene	9.80	112	281755	48.102	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.94	131	125353	49.780	ug/l	95
67) Ethyl Benzene	9.91	91	536963	49.241	ug/l	100
68) m/p-Xylenes	10.14	106	375254	95.679	ug/l	99
69) o-Xylene	10.72	106	204742	47.341	ug/l	94
70) Styrene	10.80	104	286485	47.786	ug/l	99
71) Bromoform	10.78	173	57963	47.654	ug/l #	94
73) Isopropylbenzene	11.13	105	610123	50.653	ug/l	97
74) N-amyl acetate	11.38	43	142415	51.203	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	101415	51.159	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	75067	52.097	ug/l	90
77) Bromobenzene	11.50	156	132173	50.052	ug/l	86
78) n-propylbenzene	11.60	91	711576	50.446	ug/l	99
79) 2-Chlorotoluene	11.73	91	396792	49.059	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	494839	50.606	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	34895m	49.427	ug/l	
82) 4-Chlorotoluene	11.90	91	404063	47.472	ug/l	97
83) tert-Butylbenzene	12.14	119	522451	52.452	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	488048	50.010	ug/l	98
85) sec-Butylbenzene	12.31	105	677095	49.657	ug/l	99
86) p-Isopropyltoluene	12.47	119	553697	48.435	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	234752	46.735	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	240090	49.046	ug/l	99
89) n-Butylbenzene	12.85	91	561248	48.553	ug/l	97
90) Hexachloroethane	12.92	117	139830	50.795	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	232916	48.965	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19617	51.184	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
Data File : VF060885.D
Acq On : 30 Nov 2018 00:28
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/3/2018 2:16:28 PM

Quant Time: Nov 30 06:54:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	170935	51.429	ug/l	98
94) Hexachlorobutadiene	14.19	225	112062	50.577	ug/l	99
95) Naphthalene	14.46	128	337099	52.424	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	162415	52.628	ug/l	99

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

