

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061098.D
 Acq On : 19 Dec 2018 21:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:58 AM

Quant Time: Dec 20 03:32:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	209269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	369750	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	317334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	163867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	138255	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
35) Dibromofluoromethane	4.11	113	140407	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
50) Toluene-d8	7.56	98	427487	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.41	95	175976	45.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	217808	46.821	ug/l	99
3) Chloromethane	1.10	50	116461	43.705	ug/l	95
4) Vinyl Chloride	1.14	62	109932	44.472	ug/l	98
5) Bromomethane	1.34	94	89400	52.142	ug/l	99
6) Chloroethane	1.39	64	57942	50.871	ug/l #	86
7) Trichlorofluoromethane	1.49	101	243531m	51.597	ug/l	
8) Diethyl Ether	1.63	74	33469	51.784	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	118225	48.310	ug/l	96
10) Methyl Iodide	1.91	142	187565m	48.623	ug/l	
11) Tert butyl alcohol	2.56	59	28179	259.438	ug/l	99
12) 1,1-Dichloroethene	1.79	96	93154	50.498	ug/l	98
13) Acrolein	2.00	56	16894	215.252	ug/l	87
14) Allyl chloride	2.09	41	104410	54.388	ug/l	97
15) Acrylonitrile	2.95	53	63909	254.454	ug/l	98
16) Acetone	2.24	43	111714	207.619	ug/l	99
17) Carbon Disulfide	1.84	76	270758m	48.569	ug/l	
18) Methyl Acetate	2.35	43	60229m	54.103	ug/l	
19) Methyl tert-butyl Ether	2.44	73	209464	51.156	ug/l	96
20) Methylene Chloride	2.25	84	91202m	53.342	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	94489m	47.891	ug/l	
22) Diisopropyl ether	2.80	45	306809	47.979	ug/l	98
23) Vinyl Acetate	3.19	43	724643	245.644	ug/l	98
24) 1,1-Dichloroethane	2.87	63	195819	51.684	ug/l	98
25) 2-Butanone	4.34	43	205213	235.161	ug/l	93
26) 2,2-Dichloropropane	3.60	77	106813	49.125	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	139907	46.319	ug/l	97
28) Bromochloromethane	3.72	49	89052	46.323	ug/l	96
29) Tetrahydrofuran	4.08	42	91748	258.316	ug/l	96
30) Chloroform	3.87	83	285702	50.291	ug/l	97
31) Cyclohexane	3.70	56	191826m	48.792	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	167075	49.066	ug/l	93
36) 1,1-Dichloropropene	4.28	75	223719	50.126	ug/l	99
37) Ethyl Acetate	4.11	43	89487	51.901	ug/l	89
38) Carbon Tetrachloride	3.99	117	164817	48.492	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061098.D
 Acq On : 19 Dec 2018 21:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:58 AM

Quant Time: Dec 20 03:32:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	195966	48.942	ug/l	95
40) Benzene	4.64	78	482663	50.288	ug/l	95
41) Methacrylonitrile	4.75	41	47573	50.472	ug/l	98
42) 1,2-Dichloroethane	4.94	62	183852	50.424	ug/l	96
43) Isopropyl Acetate	6.96	43	102686	47.650	ug/l #	99
44) Trichloroethene	5.50	130	149905	49.539	ug/l	95
45) 1,2-Dichloropropane	6.23	63	122818	47.033	ug/l	99
46) Dibromomethane	6.09	93	83052	49.037	ug/l	93
47) Bromodichloromethane	6.39	83	212178	48.216	ug/l	99
48) Methyl methacrylate	6.73	41	73152	48.624	ug/l	97
49) 1,4-Dioxane	6.72	88	10657	976.258	ug/l #	89
51) 4-Methyl-2-Pentanone	8.27	43	357484	241.876	ug/l	99
52) Toluene	7.62	92	315271	49.623	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	164814	46.427	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	212900	47.784	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	92312	48.467	ug/l	93
56) Ethyl methacrylate	8.62	69	94425	45.816	ug/l	87
57) 1,3-Dichloropropane	8.86	76	155500	45.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	126414	319.368	ug/l	96
59) 2-Hexanone	9.50	43	238871	223.488	ug/l	97
60) Dibromochloromethane	8.72	129	130872	47.934	ug/l	95
61) 1,2-Dibromoethane	8.99	107	98638	48.491	ug/l	100
64) Tetrachloroethene	8.16	164	134036	54.908	ug/l	97
65) Chlorobenzene	9.80	112	543206	82.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	139632	52.120	ug/l	99
67) Ethyl Benzene	9.90	91	637267	53.358	ug/l	99
68) m/p-Xylenes	10.14	106	420021	99.931	ug/l	95
69) o-Xylene	10.71	106	244153	52.376	ug/l	95
70) Styrene	10.79	104	325053	58.007	ug/l	98
71) Bromoform	10.78	173	64148	51.755	ug/l #	94
73) Isopropylbenzene	11.13	105	701688	49.690	ug/l	96
74) N-amyl acetate	11.37	43	156353	49.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	116816	49.843	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	86413	49.545	ug/l	99
77) Bromobenzene	11.50	156	151799	49.937	ug/l	83
78) n-propylbenzene	11.60	91	783592	47.749	ug/l	98
79) 2-Chlorotoluene	11.72	91	489385	50.519	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	561323	48.274	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	34989m	46.684	ug/l	
82) 4-Chlorotoluene	11.91	91	475366	47.436	ug/l	99
83) tert-Butylbenzene	12.13	119	593595	49.610	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	577065	49.767	ug/l	99
85) sec-Butylbenzene	12.31	105	774695	49.613	ug/l	99
86) p-Isopropyltoluene	12.46	119	664096	51.238	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	280303	57.286	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	278278	49.854	ug/l	98
89) n-Butylbenzene	12.84	91	647823	49.325	ug/l	99
90) Hexachloroethane	12.92	117	158384	49.461	ug/l	81
91) 1,2-Dichlorobenzene	12.94	146	273550	50.337	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22188	51.591	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061098.D
Acq On : 19 Dec 2018 21:29
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/20/2018 10:29:58 AM

Quant Time: Dec 20 03:32:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	187658	48.691	ug/l	93
94) Hexachlorobutadiene	14.19	225	120977	49.284	ug/l	98
95) Naphthalene	14.46	128	391307	55.602	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	178404	50.073	ug/l	96

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

