

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061410.D
 Acq On : 15 Jan 2019 16:53
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:06:09 PM

Quant Time: Jan 16 04:05:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	174392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309412	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	296840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	153942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	333613	156.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.66%	
35) Dibromofluoromethane	4.11	113	342040	136.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.50%	
50) Toluene-d8	7.55	98	944622	139.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.44%	
62) 4-Bromofluorobenzene	11.41	95	422536	129.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	490492	141.920	ug/l	93
3) Chloromethane	1.09	50	347766	132.732	ug/l	97
4) Vinyl Chloride	1.13	62	309219	133.984	ug/l	98
5) Bromomethane	1.32	94	202124	127.907	ug/l	100
6) Chloroethane	1.38	64	132848	127.419	ug/l	99
7) Trichlorofluoromethane	1.49	101	588633	128.100	ug/l	95
8) Diethyl Ether	1.62	74	75012	130.194	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.82	101	281877	131.288	ug/l	99
10) Methyl Iodide	1.90	142	457781m	137.609	ug/l	
11) Tert butyl alcohol	2.57	59	68978	745.525	ug/l	96
12) 1,1-Dichloroethene	1.78	96	220754	138.400	ug/l	91
13) Acrolein	2.00	56	61000	708.786	ug/l	100
14) Allyl chloride	2.09	41	388100	135.265	ug/l	96
15) Acrylonitrile	2.94	53	167024	692.513	ug/l	96
16) Acetone	2.24	43	280176	609.943	ug/l	100
17) Carbon Disulfide	1.82	76	690327	138.744	ug/l	99
18) Methyl Acetate	2.34	43	108793	100.379	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	492032	138.406	ug/l	97
20) Methylene Chloride	2.18	84	218379m	120.878	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	235844	133.092	ug/l	94
22) Diisopropyl ether	2.80	45	817717	146.537	ug/l	99
23) Vinyl Acetate	3.18	43	1798369	847.041	ug/l	99
24) 1,1-Dichloroethane	2.87	63	495677	139.488	ug/l	97
25) 2-Butanone	4.33	43	529777	724.093	ug/l	97
26) 2,2-Dichloropropane	3.59	77	283836	123.988	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	364043	142.206	ug/l	97
28) Bromochloromethane	3.72	49	204036	123.344	ug/l #	98
29) Tetrahydrofuran	4.07	42	203728	632.899	ug/l	96
30) Chloroform	3.85	83	651849	135.926	ug/l	96
31) Cyclohexane	3.69	56	466021m	128.516	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	477994	131.071	ug/l	95
36) 1,1-Dichloropropene	4.28	75	508012	138.453	ug/l	96
37) Ethyl Acetate	4.11	43	189958	127.505	ug/l #	77
38) Carbon Tetrachloride	3.98	117	434141	109.214	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061410.D
 Acq On : 15 Jan 2019 16:53
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:06:09 PM

Quant Time: Jan 16 04:05:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	541934	133.779	ug/l	97
40) Benzene	4.62	78	1114914	133.991	ug/l	98
41) Methacrylonitrile	4.74	41	109680	139.770	ug/l	90
42) 1,2-Dichloroethane	4.94	62	417931	144.915	ug/l	97
43) Isopropyl Acetate	6.95	43	270156	151.655	ug/l #	90
44) Trichloroethene	5.50	130	342006	133.796	ug/l	98
45) 1,2-Dichloropropane	6.23	63	289325	135.646	ug/l	99
46) Dibromomethane	6.08	93	202439	144.765	ug/l	98
47) Bromodichloromethane	6.38	83	516055	150.816	ug/l	99
48) Methyl methacrylate	6.71	41	182105	151.419	ug/l	91
49) 1,4-Dioxane	6.70	88	23787	2648.037	ug/l #	88
51) 4-Methyl-2-Pentanone	8.25	43	860882	617.074	ug/l	96
52) Toluene	7.62	92	680061	123.080	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	392421	142.162	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	483236	139.185	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	216600	144.235	ug/l	98
56) Ethyl methacrylate	8.62	69	262499	152.531	ug/l	97
57) 1,3-Dichloropropane	8.85	76	410423	147.332	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	145831	1252.595	ug/l	96
59) 2-Hexanone	9.49	43	586755	604.222	ug/l	99
60) Dibromochloromethane	8.72	129	333525	156.266	ug/l	99
61) 1,2-Dibromoethane	8.98	107	246001	143.175	ug/l	91
64) Tetrachloroethene	8.14	164	305395	135.060	ug/l	99
65) Chlorobenzene	9.80	112	800092	127.189	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	328933	133.579	ug/l	98
67) Ethyl Benzene	9.90	91	1378336	118.337	ug/l	96
68) m/p-Xylenes	10.14	106	970305	230.913	ug/l	88
69) o-Xylene	10.71	106	546549	121.774	ug/l	90
70) Styrene	10.79	104	726688	116.650	ug/l	99
71) Bromoform	10.77	173	159696	150.485	ug/l #	96
73) Isopropylbenzene	11.12	105	1489142	110.759	ug/l	95
74) N-amyl acetate	11.37	43	362439	117.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	281213	120.259	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	204273	121.531	ug/l	96
77) Bromobenzene	11.50	156	338268	123.260	ug/l	94
78) n-propylbenzene	11.60	91	1701345	103.872	ug/l	95
79) 2-Chlorotoluene	11.72	91	1058306	113.692	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	1216575	113.356	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.86	75	93061m	104.935	ug/l	
82) 4-Chlorotoluene	11.90	91	1079168	117.050	ug/l	94
83) tert-Butylbenzene	12.13	119	1229567	110.176	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	1252048	112.774	ug/l	96
85) sec-Butylbenzene	12.31	105	1689927	111.343	ug/l	96
86) p-Isopropyltoluene	12.45	119	1327914	105.093	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	604540	107.157	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	661808	128.056	ug/l	96
89) n-Butylbenzene	12.84	91	1338119	102.465	ug/l	95
90) Hexachloroethane	12.92	117	367057	131.600	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	601811	114.473	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	58449	147.456	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
Data File : VF061410.D
Acq On : 15 Jan 2019 16:53
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
1/16/2019 4:06:09 PM

Quant Time: Jan 16 04:05:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:16:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	419181	114.247	ug/l	98
94) Hexachlorobutadiene	14.19	225	271435	122.173	ug/l	97
95) Naphthalene	14.46	128	932858	142.839	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	427088	129.591	ug/l	97

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

