

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062158.D
 Acq On : 4 Apr 2019 15:39
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 05 05:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	206006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	323756	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	258939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	130259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	12489	7.36	ug/l	0.00
Spiked Amount			Recovery	=	14.72%	
35) Dibromofluoromethane	4.08	113	12066	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
50) Toluene-d8	7.53	98	32137	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	11.39	95	15340	5.96	ug/l	0.00
Spiked Amount			Recovery	=	11.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	15921	5.934	ug/l	76
3) Chloromethane	1.09	50	11078	4.086	ug/l	95
4) Vinyl Chloride	1.15	62	12636	5.004	ug/l	93
5) Bromomethane	1.31	94	11467	6.222	ug/l	83
6) Chloroethane	1.40	64	7589	5.860	ug/l #	77
7) Trichlorofluoromethane	1.47	101	20768m	6.584	ug/l	
8) Diethyl Ether	1.62	74	3835	5.477	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	1.82	101	12029	5.741	ug/l #	55
10) Methyl Iodide	1.91	142	19699m	4.963	ug/l	
11) Tert butyl alcohol	2.55	59	4433	50.872	ug/l #	48
12) 1,1-Dichloroethene	1.80	96	13009m	6.555	ug/l	
13) Acrolein	1.99	56	4511m	43.869	ug/l	
14) Allyl chloride	2.08	41	16779	7.569	ug/l	90
15) Acrylonitrile	2.95	53	5574	18.779	ug/l #	64
16) Acetone	2.24	43	16902m	48.526	ug/l	
17) Carbon Disulfide	1.83	76	34858m	5.742	ug/l	
18) Methyl Acetate	2.34	43	8889	11.087	ug/l #	83
19) Methyl tert-butyl Ether	2.42	73	17944	5.537	ug/l #	82
20) Methylene Chloride	2.26	84	28018m	12.452	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	10936	5.679	ug/l #	63
22) Diisopropyl ether	2.79	45	34045	5.981	ug/l #	88
23) Vinyl Acetate	3.17	43	69627	29.287	ug/l #	95
24) 1,1-Dichloroethane	2.86	63	19735	5.788	ug/l	100
25) 2-Butanone	4.34	43	19877	28.863	ug/l #	69
26) 2,2-Dichloropropane	3.58	77	12635	8.745	ug/l	88
27) cis-1,2-Dichloroethene	3.45	96	13196	5.182	ug/l	89
28) Bromochloromethane	3.71	49	8416	5.880	ug/l #	99
29) Tetrahydrofuran	4.06	42	9027	30.253	ug/l #	62
30) Chloroform	3.83	83	25968	7.058	ug/l	90
31) Cyclohexane	3.67	56	19641m	5.632	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	14368	6.103	ug/l	91
36) 1,1-Dichloropropene	4.26	75	19727	6.256	ug/l #	87
37) Ethyl Acetate	4.11	43	10191m	7.441	ug/l	
38) Carbon Tetrachloride	3.96	117	13462	6.135	ug/l #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062158.D
 Acq On : 4 Apr 2019 15:39
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 05 05:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	17137	4.892	ug/l	87
40) Benzene	4.60	78	38546	4.724	ug/l	95
41) Methacrylonitrile	4.71	41	4993	6.859	ug/l #	65
42) 1,2-Dichloroethane	4.92	62	14813	7.085	ug/l	90
43) Isopropyl Acetate	6.94	43	13142	8.062	ug/l #	80
44) Trichloroethene	5.48	130	13819	5.524	ug/l	93
45) 1,2-Dichloropropane	6.22	63	9513	4.851	ug/l #	80
46) Dibromomethane	6.07	93	6075	5.006	ug/l #	84
47) Bromodichloromethane	6.36	83	17211	6.202	ug/l #	97
48) Methyl methacrylate	6.69	41	7233	7.369	ug/l #	84
49) 1,4-Dioxane	6.69	88	490	61.690	ug/l #	15
51) 4-Methyl-2-Pentanone	8.24	43	32452	29.059	ug/l #	79
52) Toluene	7.61	92	24690	5.131	ug/l	89
53) t-1,3-Dichloropropene	8.25	75	11850	5.394	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	18046	5.936	ug/l #	90
55) 1,1,2-Trichloroethane	8.46	97	7194	5.324	ug/l #	87
56) Ethyl methacrylate	8.60	69	12361	7.519	ug/l	98
57) 1,3-Dichloropropane	8.83	76	11023	4.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	5614	22.742	ug/l #	86
59) 2-Hexanone	9.47	43	24784	30.487	ug/l	96
60) Dibromochloromethane	8.69	129	10395	5.461	ug/l	91
61) 1,2-Dibromoethane	8.98	107	7772	5.397	ug/l #	67
64) Tetrachloroethene	8.14	164	11480	5.756	ug/l #	71
65) Chlorobenzene	9.77	112	26906	5.504	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.90	131	11935	5.982	ug/l	95
67) Ethyl Benzene	9.88	91	49055	5.641	ug/l	95
68) m/p-Xylenes	10.11	106	37086	11.460	ug/l	99
69) o-Xylene	10.69	106	18280	5.515	ug/l	97
70) Styrene	10.77	104	25676	5.017	ug/l	92
71) Bromoform	10.75	173	5534	5.402	ug/l #	86
73) Isopropylbenzene	11.10	105	58000	6.228	ug/l	99
74) N-amyl acetate	11.35	43	15258	6.753	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.67	83	7892	5.042	ug/l #	94
76) 1,2,3-Trichloropropane	11.78	75	8107	7.117	ug/l	96
77) Bromobenzene	11.48	156	11218	4.999	ug/l	85
78) n-propylbenzene	11.58	91	66346	6.061	ug/l	100
79) 2-Chlorotoluene	11.70	91	40357	6.651	ug/l	95
80) 1,3,5-Trimethylbenzene	11.80	105	52771	6.778	ug/l	83
81) trans-1,4-Dichloro-2-buten	11.85	75	2512m	5.375	ug/l	
82) 4-Chlorotoluene	11.88	91	39363	6.249	ug/l	93
83) tert-Butylbenzene	12.12	119	49449	6.124	ug/l	94
84) 1,2,4-Trimethylbenzene	12.19	105	47054	6.179	ug/l	93
85) sec-Butylbenzene	12.28	105	59490	5.719	ug/l	94
86) p-Isopropyltoluene	12.44	119	54663	5.962	ug/l	94
87) 1,3-Dichlorobenzene	12.45	146	22977	5.426	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	22545	5.526	ug/l	99
89) n-Butylbenzene	12.83	91	52138	5.995	ug/l	94
90) Hexachloroethane	12.90	117	13644	6.374	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	22815	5.816	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.63	75	2244	9.012	ug/l #	56

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF040419\
Data File : VF062158.D
Acq On : 4 Apr 2019 15:39
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Apr 05 05:02:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 05 04:46:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	15664	5.669	ug/l	93
94) Hexachlorobutadiene	14.17	225	9620	5.271	ug/l	98
95) Naphthalene	14.44	128	24632	5.210	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	12114	4.781	ug/l	94

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

