

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062594.D
 Acq On : 14 May 2019 22:05
 Operator : FY/SY
 Sample : K2836-01
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC1-051019

Quant Time: May 15 05:17:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	1056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	397	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.02	117	219	50.00	ug/l	0.08
72) 1,4-Dichlorobenzene-d4	12.61	152	318	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	195	24.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	48.88%	
35) Dibromofluoromethane	4.39	113	79	26.74	ug/l	0.05
Spiked Amount	50.000		Recovery	=	53.48%	
50) Toluene-d8	7.91	98	169	24.27	ug/l	0.17
Spiked Amount	50.000		Recovery	=	48.54%	
62) 4-Bromofluorobenzene	11.64	95	366	150.52	ug/l	0.12
Spiked Amount	50.000		Recovery	=	301.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	541	57.917	ug/l #	45
3) Chloromethane	1.13	50	106	8.802	ug/l #	31
4) Vinyl Chloride	1.19	62	343	28.617	ug/l #	42
5) Bromomethane	1.35	94	340	63.626	ug/l	88
6) Chloroethane	1.37	64	659	144.782	ug/l	95
7) Trichlorofluoromethane	1.54	101	102	6.211	ug/l	96
8) Diethyl Ether	1.70	74	346	93.989	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.91	101	357	31.870	ug/l #	34
10) Methyl Iodide	2.00	142	377	18.897	ug/l #	36
11) Tert butyl alcohol	2.68	59	196	408.071	ug/l #	73
12) 1,1-Dichloroethene	1.90	96	808	84.204	ug/l #	17
13) Acrolein	1.97	56	235	738.260	ug/l	88
14) Allyl chloride	2.22	41	1404	142.992	ug/l #	41
15) Acrylonitrile	3.09	53	308	179.263	ug/l #	42
16) Acetone	2.22	43	1086	670.879	ug/l	90
17) Carbon Disulfide	1.94	76	63	Below Cal	#	1
18) Methyl Acetate	2.43	43	801	261.362	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	1274	74.567	ug/l #	79
20) Methylene Chloride	2.31	84	85	6.320	ug/l #	10
21) trans-1,2-Dichloroethene	2.44	96	233	24.094	ug/l #	37
22) Diisopropyl ether	2.96	45	823	36.050	ug/l #	83
23) Vinyl Acetate	3.35	43	1090	87.290	ug/l #	68
24) 1,1-Dichloroethane	3.04	63	657	37.804	ug/l #	86
25) 2-Butanone	4.53	43	864	236.087	ug/l	96
26) 2,2-Dichloropropane	3.79	77	1383	147.452	ug/l #	51
27) cis-1,2-Dichloroethene	3.69	96	772	56.503	ug/l	35
28) Bromochloromethane	3.90	49	310	31.733	ug/l #	14
29) Tetrahydrofuran	4.00	42	493	318.338	ug/l	94
30) Chloroform	4.08	83	69	3.309	ug/l #	20
31) Cyclohexane	3.94	56	460	25.396	ug/l #	63
32) 1,1,1-Trichloroethane	4.32	97	172	12.236	ug/l #	45
36) 1,1-Dichloropropene	4.56	75	238	69.282	ug/l #	2
37) Ethyl Acetate	4.36	43	508	359.858	ug/l #	2
38) Carbon Tetrachloride	4.29	117	457	162.170	ug/l #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062594.D
 Acq On : 14 May 2019 22:05
 Operator : FY/SY
 Sample : K2836-01
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC1-051019

Quant Time: May 15 05:17:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.73	83	89	22.128	ug/l #	1
40) Benzene	5.02	78	568	58.120	ug/l	99
41) Methacrylonitrile	5.00	41	304	380.284	ug/l #	68
42) 1,2-Dichloroethane	5.19	62	65	31.342	ug/l	71
43) Isopropyl Acetate	7.23	43	1340	802.165	ug/l #	75
44) Trichloroethene	5.80	130	168	63.654	ug/l	3
45) 1,2-Dichloropropane	6.46	63	392	159.353	ug/l	99
46) Dibromomethane	6.40	93	276	200.680	ug/l #	5
47) Bromodichloromethane	6.69	83	200	67.646	ug/l #	91
48) Methyl methacrylate	6.99	41	845	924.133	ug/l	92
49) 1,4-Dioxane	7.00	88	230	19088.215	ug/l #	20
51) 4-Methyl-2-Pentanone	8.54	43	559	456.695	ug/l #	34
52) Toluene	7.86	92	265	54.017	ug/l #	1
53) t-1,3-Dichloropropene	8.54	75	503	215.349	ug/l	96
54) cis-1,3-Dichloropropene	7.63	75	443	134.213	ug/l #	1
55) 1,1,2-Trichloroethane	8.78	97	203	138.201	ug/l #	14
56) Ethyl methacrylate	8.91	69	86	53.419	ug/l #	1
57) 1,3-Dichloropropane	9.13	76	277	114.257	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.57	63	194	385.134	ug/l #	53
59) 2-Hexanone	9.75	43	510	630.882	ug/l	99
60) Dibromochloromethane	8.87	129	127	68.050	ug/l	60
61) 1,2-Dibromoethane	9.13	107	63	42.764	ug/l	87
64) Tetrachloroethene	8.34	164	65	44.916	ug/l #	1
65) Chlorobenzene	10.01	112	197	51.742	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.19	131	205	131.088	ug/l	83
67) Ethyl Benzene	10.05	91	169	24.983	ug/l #	44
68) m/p-Xylenes	10.39	106	137	57.140	ug/l	82
69) o-Xylene	10.84	106	69	27.434	ug/l	80
70) Styrene	10.93	104	248	64.892	ug/l #	1
71) Bromoform	10.91	173	96	130.377	ug/l #	29
73) Isopropylbenzene	11.19	105	78	3.648	ug/l #	48
74) N-amyl acetate	11.49	43	931	179.326	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.83	83	359	81.958	ug/l #	25
76) 1,2,3-Trichloropropane	11.87	75	299	106.476	ug/l #	1
77) Bromobenzene	11.61	156	186	38.495	ug/l	83
78) n-propylbenzene	11.69	91	468	18.402	ug/l #	52
79) 2-Chlorotoluene	11.83	91	135	9.619	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.75	105	108	6.453	ug/l	69
81) trans-1,4-Dichloro-2-buten	11.97	75	466	389.336	ug/l #	27
82) 4-Chlorotoluene	11.98	91	75	5.465	ug/l #	40
83) tert-Butylbenzene	12.20	119	461	26.332	ug/l #	34
84) 1,2,4-Trimethylbenzene	12.29	105	220	13.381	ug/l #	1
85) sec-Butylbenzene	12.35	105	69	2.903	ug/l #	59
86) p-Isopropyltoluene	12.54	119	193	9.864	ug/l #	51
87) 1,3-Dichlorobenzene	12.52	146	219	23.173	ug/l #	23
88) 1,4-Dichlorobenzene	12.67	146	81	9.137	ug/l #	23
89) n-Butylbenzene	12.93	91	117	5.875	ug/l #	28
90) Hexachloroethane	12.97	117	297	59.260	ug/l #	21
91) 1,2-Dichlorobenzene	13.01	146	235	28.030	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	487	905.120	ug/l #	1

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
Data File : VF062594.D
Acq On : 14 May 2019 22:05
Operator : FY/SY
Sample : K2836-01
Misc : 5.38g/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC1-051019

Quant Time: May 15 05:17:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	108	18.525	ug/l #	12
94) Hexachlorobutadiene	14.26	225	64	15.112	ug/l #	19
95) Naphthalene	14.50	128	466	49.108	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.66	180	70	12.942	ug/l #	1

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

