

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062581.D
 Acq On : 14 May 2019 11:02
 Operator : FY/SY
 Sample : K2836-01
 Misc : 5.41g/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: May 14 11:27:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	1577	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	748	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	60	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.58	152	66	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.09	65	176	11.81	ug/l	0.07
Spiked Amount			Recovery	=	23.62%	
35) Dibromofluoromethane	4.30	113	62	10.40	ug/l	0.00
Spiked Amount			Recovery	=	20.80%	
50) Toluene-d8	7.74	98	111	7.69	ug/l	0.03
Spiked Amount			Recovery	=	15.38%	
62) 4-Bromofluorobenzene	11.49	95	74	11.37	ug/l	0.00
Spiked Amount			Recovery	=	22.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	80	4.383	ug/l #	41
3) Chloromethane	1.16	50	151	12.544	ug/l #	42
4) Vinyl Chloride	1.14	62	131	10.911	ug/l #	42
5) Bromomethane	1.40	94	77	6.306	ug/l #	3
6) Chloroethane	1.46	64	233	38.600	ug/l #	41
7) Trichlorofluoromethane	1.71	101	70	2.810	ug/l #	20
8) Diethyl Ether	1.63	74	75	19.897	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.74	101	107	7.523	ug/l #	41
10) Methyl Iodide	2.09	142	67	2.859	ug/l #	1
11) Tert butyl alcohol	2.76	59	60	71.234	ug/l #	70
12) 1,1-Dichloroethene	1.86	96	241	19.933	ug/l #	1
13) Acrolein	2.14	56	108	203.511	ug/l #	13
14) Allyl chloride	2.21	41	414	38.763	ug/l #	2
15) Acrylonitrile	3.09	53	72	45.126	ug/l #	10
16) Acetone	2.35	43	183	60.700	ug/l #	62
17) Carbon Disulfide	1.87	76	83	3.148	ug/l #	71
18) Methyl Acetate	2.47	43	80	12.182	ug/l #	58
19) Methyl tert-butyl Ether	2.54	73	234	9.376	ug/l #	61
20) Methylene Chloride	2.24	84	89	8.159	ug/l #	13
21) trans-1,2-Dichloroethene	2.43	96	319	27.692	ug/l #	1
22) Diisopropyl ether	2.94	45	302	9.047	ug/l #	47
23) Vinyl Acetate	3.36	43	143	9.612	ug/l #	1
24) 1,1-Dichloroethane	2.92	63	80	3.965	ug/l #	1
25) 2-Butanone	4.54	43	67	17.689	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	365	32.397	ug/l #	58
27) cis-1,2-Dichloroethene	3.64	96	64	4.445	ug/l #	1
28) Bromochloromethane	3.88	49	80	8.744	ug/l #	1
29) Tetrahydrofuran	4.23	42	229	131.551	ug/l	97
30) Chloroform	4.20	83	180	6.604	ug/l #	19
31) Cyclohexane	3.91	56	75	4.658	ug/l #	16
32) 1,1,1-Trichloroethane	4.29	97	66	2.825	ug/l #	22
36) 1,1-Dichloropropene	4.44	75	60	9.338	ug/l #	1
37) Ethyl Acetate	4.33	43	164	67.374	ug/l #	73
38) Carbon Tetrachloride	4.06	117	98	12.626	ug/l #	14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	66	10.242	ug/l #	23
40) Benzene	4.86	78	63	4.452	ug/l #	1
41) Methacrylonitrile	4.95	41	270	175.242	ug/l #	38
42) 1,2-Dichloroethane	5.13	62	73	12.336	ug/l #	1
43) Isopropyl Acetate	7.16	43	205	70.141	ug/l #	48
44) Trichloroethene	5.71	130	63	12.121	ug/l #	2
45) 1,2-Dichloropropane	6.44	63	143	44.619	ug/l #	43
47) Bromodichloromethane	6.45	83	215	32.362	ug/l #	27
48) Methyl methacrylate	6.90	41	193	93.443	ug/l #	17
49) 1,4-Dioxane	7.07	88	60	2848.686	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	132	59.603	ug/l #	40
52) Toluene	7.73	92	79	9.050	ug/l #	1
53) t-1,3-Dichloropropene	8.54	75	143	28.459	ug/l #	43
54) cis-1,3-Dichloropropene	7.50	75	76	12.996	ug/l #	22
55) 1,1,2-Trichloroethane	8.66	97	65	23.457	ug/l #	14
56) Ethyl methacrylate	8.80	69	89	30.426	ug/l #	1
57) 1,3-Dichloropropane	8.88	76	153	36.553	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.39	63	71	80.736	ug/l #	42
59) 2-Hexanone	9.42	43	120	78.347	ug/l #	91
60) Dibromochloromethane	8.91	129	102	22.506	ug/l #	11
61) 1,2-Dibromoethane	9.23	107	59	18.116	ug/l #	3
67) Ethyl Benzene	10.04	91	65	37.391	ug/l #	45
69) o-Xylene	10.72	106	63	90.899	ug/l #	1
70) Styrene	10.89	104	67	64.503	ug/l #	1
71) Bromoform	10.68	173	73	266.066	ug/l #	29
73) Isopropylbenzene	11.28	105	62	15.846	ug/l #	50
74) N-amyl acetate	11.42	43	210	249.997	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	11.67	83	63	102.834	ug/l #	22
76) 1,2,3-Trichloropropane	11.88	75	67	143.345	ug/l #	100
77) Bromobenzene	11.67	156	60	58.429	ug/l #	1
78) n-propylbenzene	11.61	91	72	17.284	ug/l #	52
79) 2-Chlorotoluene	11.61	91	72	27.796	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.65	105	83	24.202	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.88	75	67	381.351	ug/l #	5
82) 4-Chlorotoluene	12.01	91	69	26.970	ug/l #	1
83) tert-Butylbenzene	12.26	119	80	22.196	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.25	105	69	20.559	ug/l #	3
85) sec-Butylbenzene	12.25	105	69	15.728	ug/l #	57
86) p-Isopropyltoluene	12.43	119	62	15.211	ug/l #	1
87) 1,3-Dichlorobenzene	12.76	146	69	36.791	ug/l #	25
88) 1,4-Dichlorobenzene	12.76	146	69	38.119	ug/l #	25
89) n-Butylbenzene	12.92	91	63	17.373	ug/l #	29
90) Hexachloroethane	12.72	117	63	61.904	ug/l #	3
91) 1,2-Dichlorobenzene	12.76	146	69	38.011	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.73	75	154	1122.043	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	60	36.850	ug/l #	11
94) Hexachlorobutadiene	14.04	225	63	51.914	ug/l #	18
95) Naphthalene	14.51	128	60	24.511	ug/l #	69

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

