

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062599.D
 Acq On : 15 May 2019 00:25
 Operator : FY/SY
 Sample : K2746-01
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-5.8.19

Quant Time: May 15 05:19:28 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	5.10	168	922	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.95	114	98	50.00	ug/l	0.15
63) Chlorobenzene-d5	10.26	117	92	50.00	ug/l	0.33
72) 1,4-Dichlorobenzene-d4	12.61	152	84	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.09	65	198	28.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	56.86%	
35) Dibromofluoromethane	4.44	113	61	83.63	ug/l	0.10
Spiked Amount	50.000		Recovery	=	167.26%	
50) Toluene-d8	7.90	98	153	89.02	ug/l	0.16
Spiked Amount	50.000		Recovery	=	178.04%	
62) 4-Bromofluorobenzene	11.82	95	129	214.91	ug/l	0.31
Spiked Amount	50.000		Recovery	=	429.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	214	22.407	ug/l #	72
3) Chloromethane	1.22	50	305	29.007	ug/l	97
4) Vinyl Chloride	1.22	62	184	17.583	ug/l #	67
5) Bromomethane	1.38	94	266	54.975	ug/l	89
6) Chloroethane	1.41	64	531	133.615	ug/l #	58
7) Trichlorofluoromethane	1.54	101	168	11.717	ug/l #	18
8) Diethyl Ether	1.75	74	943	293.391	ug/l #	19
9) 1,1,2-Trichlorotrifluoroet	1.95	101	127	12.985	ug/l #	69
10) Methyl Iodide	1.99	142	384	22.045	ug/l #	36
11) Tert butyl alcohol	2.73	59	231	550.840	ug/l #	73
12) 1,1-Dichloroethene	1.87	96	502	59.918	ug/l #	39
13) Acrolein	2.01	56	269	967.892	ug/l	84
14) Allyl chloride	2.24	41	305	35.578	ug/l #	17
15) Acrylonitrile	3.09	53	585	389.968	ug/l #	19
16) Acetone	2.45	43	528	373.578	ug/l	89
17) Carbon Disulfide	1.90	76	174	4.045	ug/l #	1
18) Methyl Acetate	2.52	43	1012	381.110	ug/l	95
19) Methyl tert-butyl Ether	2.48	73	675	45.250	ug/l	99
20) Methylene Chloride	2.33	84	161	15.679	ug/l #	10
21) trans-1,2-Dichloroethene	2.44	96	1051	124.476	ug/l #	15
22) Diisopropyl ether	3.00	45	241	12.091	ug/l #	82
23) Vinyl Acetate	3.37	43	911	83.558	ug/l #	75
24) 1,1-Dichloroethane	3.06	63	146	9.622	ug/l #	86
25) 2-Butanone	4.66	43	371	116.109	ug/l	94
26) 2,2-Dichloropropane	3.81	77	681	83.159	ug/l	81
27) cis-1,2-Dichloroethene	3.66	96	991	83.074	ug/l	14
28) Bromochloromethane	3.77	49	110	12.897	ug/l	96
29) Tetrahydrofuran	4.29	42	454	335.761	ug/l #	87
30) Chloroform	4.00	83	173	9.502	ug/l	87
31) Cyclohexane	3.95	56	182	11.508	ug/l #	79
32) 1,1,1-Trichloroethane	4.34	97	447	36.422	ug/l #	22
36) 1,1-Dichloropropene	4.62	75	92	108.492	ug/l #	41
37) Ethyl Acetate	4.44	43	465	1334.396	ug/l #	93
38) Carbon Tetrachloride	4.34	117	184	264.507	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.83	83	193	194.388	ug/l #	1
40) Benzene	5.02	78	387	160.417	ug/l #	1
41) Methacrylonitrile	5.12	41	461	2336.142	ug/l #	50
42) 1,2-Dichloroethane	5.37	62	114	222.684	ug/l	71
43) Isopropyl Acetate	7.31	43	465	1127.655	ug/l #	40
44) Trichloroethene	5.90	130	256	392.932	ug/l	67
45) 1,2-Dichloropropane	6.52	63	714	1175.812	ug/l	91
46) Dibromomethane	6.43	93	191	562.592	ug/l #	26
47) Bromodichloromethane	6.71	83	432	591.913	ug/l #	84
48) Methyl methacrylate	7.07	41	480	2126.590	ug/l #	57
49) 1,4-Dioxane	7.08	88	66	22189.415	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	713	2359.765	ug/l #	34
52) Toluene	8.00	92	141	116.431	ug/l	88
53) t-1,3-Dichloropropene	8.75	75	585	1014.598	ug/l	98
54) cis-1,3-Dichloropropene	7.65	75	401	492.151	ug/l #	1
55) 1,1,2-Trichloroethane	8.90	97	279	769.456	ug/l #	34
56) Ethyl methacrylate	9.01	69	360	905.874	ug/l #	1
57) 1,3-Dichloropropane	9.23	76	113	188.819	ug/l #	5
58) 2-Chloroethyl Vinyl ether	7.64	63	113	908.769	ug/l #	53
59) 2-Hexanone	9.96	43	903	4525.121	ug/l	77
60) Dibromochloromethane	9.05	129	132	286.527	ug/l	83
61) 1,2-Dibromoethane	9.40	107	62	170.486	ug/l #	1
64) Tetrachloroethene	8.29	164	170	279.637	ug/l #	15
65) Chlorobenzene	9.94	112	85	53.144	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	480	730.645	ug/l #	35
67) Ethyl Benzene	10.04	91	353	124.221	ug/l #	44
68) m/p-Xylenes	10.30	106	79	78.434	ug/l	78
69) o-Xylene	10.82	106	60	56.787	ug/l	34
70) Styrene	10.93	104	181	112.738	ug/l #	51
71) Bromoform	10.87	173	64	206.903	ug/l #	29
73) Isopropylbenzene	11.21	105	59	10.446	ug/l #	48
74) N-amyl acetate	11.49	43	1382	1007.744	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.82	83	131	113.218	ug/l #	25
76) 1,2,3-Trichloropropane	11.97	75	748	1008.395	ug/l	92
77) Bromobenzene	11.58	156	82	64.247	ug/l #	57
78) n-propylbenzene	11.69	91	82	12.206	ug/l #	52
79) 2-Chlorotoluene	11.79	91	235	63.385	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.92	105	233	52.702	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	748	2365.852	ug/l #	52
82) 4-Chlorotoluene	12.00	91	218	60.136	ug/l #	40
83) tert-Butylbenzene	12.22	119	214	46.275	ug/l #	73
84) 1,2,4-Trimethylbenzene	12.29	105	137	31.546	ug/l #	27
85) sec-Butylbenzene	12.38	105	193	30.739	ug/l #	59
86) p-Isopropyltoluene	12.51	119	63	12.190	ug/l #	51
87) 1,3-Dichlorobenzene	12.58	146	183	73.307	ug/l #	23
88) 1,4-Dichlorobenzene	12.58	146	183	78.146	ug/l #	23
89) n-Butylbenzene	12.88	91	359	68.239	ug/l #	28
90) Hexachloroethane	13.01	117	104	78.557	ug/l #	21
91) 1,2-Dichlorobenzene	12.87	146	69	31.157	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	69	485.483	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	154	99.999	ug/l #	12
94) Hexachlorobutadiene	14.21	225	69	61.678	ug/l #	11
95) Naphthalene	14.50	128	170	67.821	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.65	180	224	156.788	ug/l #	12

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

