

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062645.D
 Acq On : 17 May 2019 18:23
 Operator : FY/SY
 Sample : K2894-08
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-06-3-4

Quant Time: May 18 01:42:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	70	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.86	114	130	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.03	117	96	50.00	ug/l	0.11
72) 1,4-Dichlorobenzene-d4	12.63	152	170	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.10	65	380	768.21	ug/l	0.06
Spiked Amount	50.000		Recovery	=	1536.42%	
35) Dibromofluoromethane	4.36	113	186	186.98	ug/l	0.04
Spiked Amount	50.000		Recovery	=	373.96%	
50) Toluene-d8	7.78	98	158	66.52	ug/l	0.06
Spiked Amount	50.000		Recovery	=	133.04%	
62) 4-Bromofluorobenzene	11.68	95	877	973.57	ug/l	0.17
Spiked Amount	50.000		Recovery	=	1947.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.04	85	567	595.217	ug/l #	41
3) Chloromethane	1.12	50	572	652.124	ug/l	92
4) Vinyl Chloride	1.06	62	182	225.417	ug/l	95
5) Bromomethane	1.44	94	471	1066.345	ug/l	93
6) Chloroethane	1.45	64	367	1237.657	ug/l #	1
7) Trichlorofluoromethane	1.52	101	94	86.708	ug/l #	21
8) Diethyl Ether	1.75	74	636	2961.346	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.93	101	319	462.115	ug/l #	19
10) Methyl Iodide	1.98	142	96	70.794	ug/l #	1
11) Tert butyl alcohol	2.72	59	365	11176.605	ug/l #	1
12) 1,1-Dichloroethene	1.91	96	690	1097.279	ug/l #	1
13) Acrolein	2.10	56	659	19331.305	ug/l #	68
14) Allyl chloride	2.23	41	1234	2168.239	ug/l #	78
15) Acrylonitrile	3.10	53	736	7989.483	ug/l #	16
16) Acetone	2.40	43	464	3615.698	ug/l	94
17) Carbon Disulfide	1.89	76	455	244.121	ug/l #	12
18) Methyl Acetate	2.40	43	464	2300.890	ug/l	93
19) Methyl tert-butyl Ether	2.66	73	1096	974.978	ug/l	98
20) Methylene Chloride	2.34	84	172	267.395	ug/l #	1
21) trans-1,2-Dichloroethene	2.46	96	1446	2352.635	ug/l #	30
22) Diisopropyl ether	2.96	45	491	349.795	ug/l #	1
23) Vinyl Acetate	3.42	43	609	643.161	ug/l #	73
24) 1,1-Dichloroethane	3.04	63	313	303.960	ug/l #	1
25) 2-Butanone	4.67	43	774	2823.016	ug/l	99
26) 2,2-Dichloropropane	3.79	77	228	386.979	ug/l #	66
27) cis-1,2-Dichloroethene	3.68	96	540	534.120	ug/l	20
28) Bromochloromethane	3.90	49	410	709.925	ug/l #	2
29) Tetrahydrofuran	4.28	42	513	4623.742	ug/l #	30
30) Chloroform	4.06	83	300	209.835	ug/l	88
31) Cyclohexane	3.92	56	1362	985.075	ug/l #	15
32) 1,1,1-Trichloroethane	4.31	97	126	132.703	ug/l #	23
36) 1,1-Dichloropropene	4.57	75	1036	777.721	ug/l #	45
37) Ethyl Acetate	4.35	43	1715	3153.165	ug/l #	11
38) Carbon Tetrachloride	4.26	117	180	179.669	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	427	266.400	ug/l #	21
40) Benzene	4.86	78	1261	347.479	ug/l #	90
41) Methacrylonitrile	4.99	41	1884	6607.035	ug/l #	65
42) 1,2-Dichloroethane	5.21	62	88	121.601	ug/l #	1
43) Isopropyl Acetate	7.18	43	243	344.857	ug/l #	26
44) Trichloroethene	5.73	130	381	373.549	ug/l #	1
45) 1,2-Dichloropropane	6.49	63	300	327.479	ug/l #	42
46) Dibromomethane	6.37	93	955	1803.820	ug/l #	49
47) Bromodichloromethane	6.62	83	148	134.655	ug/l #	80
48) Methyl methacrylate	6.95	41	676	1835.444	ug/l #	1
49) 1,4-Dioxane	6.97	88	440	93275.599	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	3276	6801.637	ug/l #	87
52) Toluene	7.91	92	371	194.933	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	986	1096.529	ug/l #	98
54) cis-1,3-Dichloropropene	7.57	75	163	129.496	ug/l #	1
55) 1,1,2-Trichloroethane	8.74	97	114	202.302	ug/l #	93
56) Ethyl methacrylate	8.87	69	691	1029.257	ug/l #	18
57) 1,3-Dichloropropane	9.14	76	305	317.763	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.57	63	84	384.391	ug/l #	51
59) 2-Hexanone	9.73	43	839	2863.742	ug/l #	51
60) Dibromochloromethane	9.02	129	112	152.497	ug/l #	83
61) 1,2-Dibromoethane	9.27	107	359	599.794	ug/l #	43
64) Tetrachloroethene	8.33	164	173	227.471	ug/l #	52
65) Chlorobenzene	9.95	112	222	117.738	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.10	131	226	298.570	ug/l #	63
67) Ethyl Benzene	10.06	91	472	144.097	ug/l #	42
68) m/p-Xylenes	10.28	106	278	225.813	ug/l #	1
69) o-Xylene	10.97	106	69	54.414	ug/l #	82
70) Styrene	10.89	104	83	43.064	ug/l #	1
71) Bromoform	10.87	173	108	284.882	ug/l #	92
73) Isopropylbenzene	11.18	105	436	35.784	ug/l #	45
74) N-amyl acetate	11.43	43	2047	734.139	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	11.80	83	1089	437.349	ug/l #	23
76) 1,2,3-Trichloropropane	11.85	75	526	321.498	ug/l #	83
77) Bromobenzene	11.60	156	157	51.839	ug/l #	36
78) n-propylbenzene	11.54	91	170	11.790	ug/l #	75
79) 2-Chlorotoluene	11.85	91	541	66.573	ug/l #	91
80) 1,3,5-Trimethylbenzene	11.97	105	187	19.141	ug/l #	93
81) trans-1,4-Dichloro-2-buten	11.93	75	756	1039.529	ug/l #	26
82) 4-Chlorotoluene	12.00	91	578	72.127	ug/l #	81
83) tert-Butylbenzene	12.17	119	405	40.860	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.26	105	296	31.303	ug/l #	25
85) sec-Butylbenzene	12.38	105	176	13.231	ug/l #	54
86) p-Isopropyltoluene	12.55	119	418	37.287	ug/l #	43
87) 1,3-Dichlorobenzene	12.56	146	80	14.600	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	60	11.669	ug/l #	1
89) n-Butylbenzene	12.95	91	345	31.213	ug/l #	30
90) Hexachloroethane	12.98	117	200	74.371	ug/l #	20
91) 1,2-Dichlorobenzene	13.05	146	313	64.083	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	13.68	75	419	1410.547	ug/l #	35

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	70	20.022	ug/l #	11
94) Hexachlorobutadiene	14.23	225	61	25.001	ug/l #	1
95) Naphthalene	14.47	128	345	54.318	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	113	34.123	ug/l #	43

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

