

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062253.D
 Acq On : 22 Apr 2019 19:12
 Operator : FY/SY
 Sample : K2464-01
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-COMP-4.18.19

Quant Time: Apr 23 01:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	403	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	85	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	107	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.59	152	60	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	159	43.03	ug/l	-0.16
Spiked Amount	50.000		Recovery	=	86.06%	
35) Dibromofluoromethane	4.30	113	63	84.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.46%	
50) Toluene-d8	7.75	98	149	79.17	ug/l	0.05
Spiked Amount	50.000		Recovery	=	158.34%	
62) 4-Bromofluorobenzene	11.50	95	505	697.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	1394.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.04	85	185	30.207	ug/l #	42
3) Chloromethane	1.14	50	433	68.403	ug/l #	29
4) Vinyl Chloride	1.20	62	69	12.687	ug/l #	42
5) Bromomethane	1.41	94	244	77.232	ug/l #	6
6) Chloroethane	1.58	64	62	27.270	ug/l #	1
7) Trichlorofluoromethane	1.72	101	73	10.566	ug/l #	20
8) Diethyl Ether	1.71	74	173	120.310	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	65	13.771	ug/l #	21
11) Tert butyl alcohol	2.72	59	164	638.468	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	761	169.516	ug/l #	6
13) Acrolein	2.04	56	701	2669.246	ug/l #	35
14) Allyl chloride	2.17	41	738	143.245	ug/l #	21
15) Acrylonitrile	3.08	53	442	564.965	ug/l #	39
16) Acetone	2.34	43	1410	1596.334	ug/l #	79
17) Carbon Disulfide	2.10	76	62	4.970	ug/l #	8
18) Methyl Acetate	2.47	43	1151	678.256	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	208	26.242	ug/l #	58
20) Methylene Chloride	2.35	84	170	37.640	ug/l #	8
21) trans-1,2-Dichloroethene	2.42	96	642	144.611	ug/l #	1
22) Diisopropyl ether	2.93	45	382	28.986	ug/l #	1
23) Vinyl Acetate	3.33	43	527	83.930	ug/l #	79
24) 1,1-Dichloroethane	2.97	63	101	14.010	ug/l #	88
25) 2-Butanone	4.50	43	1508	853.838	ug/l #	85
26) 2,2-Dichloropropane	3.73	77	472	129.679	ug/l	86
27) cis-1,2-Dichloroethene	3.67	96	407	70.794	ug/l #	1
28) Bromochloromethane	3.84	49	67	19.401	ug/l #	8
29) Tetrahydrofuran	4.27	42	522	652.975	ug/l #	67
30) Chloroform	4.07	83	69	7.788	ug/l #	18
31) Cyclohexane	3.88	56	196	22.686	ug/l #	1
32) 1,1,1-Trichloroethane	4.28	97	135	20.816	ug/l #	46
36) 1,1-Dichloropropene	4.46	75	151	148.169	ug/l #	1
37) Ethyl Acetate	4.33	43	377	783.954	ug/l #	84
38) Carbon Tetrachloride	4.10	117	162	179.591	ug/l #	13
39) Methylcyclohexane	5.63	83	147	120.474	ug/l #	40

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.81	78	312	116.720	ug/l #	42
41) Methacrylonitrile	4.95	41	303	1092.315	ug/l #	1
42) 1,2-Dichloroethane	5.06	62	62	87.737	ug/l #	74
43) Isopropyl Acetate	7.11	43	165	326.226	ug/l #	45
44) Trichloroethene	5.47	130	67	92.758	ug/l	2
45) 1,2-Dichloropropane	6.43	63	133	225.881	ug/l #	1
46) Dibromomethane	6.21	93	70	178.687	ug/l #	40
47) Bromodichloromethane	6.56	83	163	184.383	ug/l #	24
48) Methyl methacrylate	6.86	41	669	2012.673	ug/l #	19
49) 1,4-Dioxane	6.98	88	82	21510.818	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	800	2126.566	ug/l #	59
52) Toluene	7.70	92	64	45.421	ug/l	88
53) t-1,3-Dichloropropene	8.40	75	60	90.364	ug/l #	1
54) cis-1,3-Dichloropropene	7.46	75	94	104.661	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	135	342.008	ug/l #	14
56) Ethyl methacrylate	8.73	69	178	396.625	ug/l #	1
57) 1,3-Dichloropropane	9.02	76	151	236.901	ug/l #	8
58) 2-Chloroethyl Vinyl ether	7.52	63	87	667.701	ug/l #	48
59) 2-Hexanone	9.69	43	574	2445.572	ug/l	96
60) Dibromochloromethane	8.88	129	170	289.590	ug/l	94
61) 1,2-Dibromoethane	9.08	107	149	335.050	ug/l #	3
65) Chlorobenzene	10.13	112	63	27.613	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.00	131	61	57.093	ug/l #	1
67) Ethyl Benzene	10.00	91	163	39.289	ug/l #	44
68) m/p-Xylenes	10.14	106	72	47.144	ug/l #	1
69) o-Xylene	10.82	106	71	41.872	ug/l	70
70) Styrene	10.89	104	76	31.760	ug/l #	1
71) Bromoform	11.11	173	63	111.679	ug/l #	28
73) Isopropylbenzene	11.19	105	82	15.910	ug/l #	49
74) N-amyl acetate	11.46	43	1235	1054.032	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.79	83	67	75.589	ug/l #	22
76) 1,2,3-Trichloropropane	11.89	75	59	96.749	ug/l #	1
77) Bromobenzene	11.68	156	65	58.872	ug/l #	1
78) n-propylbenzene	11.60	91	286	52.602	ug/l	90
79) 2-Chlorotoluene	11.87	91	221	67.008	ug/l	83
80) 1,3,5-Trimethylbenzene	11.91	105	72	16.773	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.92	75	177	569.113	ug/l #	64
82) 4-Chlorotoluene	11.87	91	221	69.336	ug/l	83
83) tert-Butylbenzene	12.20	119	66	14.868	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.27	105	292	70.293	ug/l	66
85) sec-Butylbenzene	12.34	105	94	16.310	ug/l #	57
86) p-Isopropyltoluene	12.51	119	131	26.796	ug/l #	23
89) n-Butylbenzene	12.88	91	217	54.432	ug/l #	28
90) Hexachloroethane	12.95	117	76	60.539	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.70	75	164	941.726	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.27	180	77	46.518	ug/l #	11
95) Naphthalene	14.44	128	66	22.804	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.75	180	61	38.386	ug/l #	12

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

