

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062200.D
 Acq On : 18 Apr 2019 12:28
 Operator : FY/SY
 Sample : K2203-09
 Misc : 7.06g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-041519-A

Quant Time: Apr 19 02:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	79	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	5.69	114	60	50.00	ug/l	-0.07
63) Chlorobenzene-d5	9.76	117	91	50.00	ug/l	-0.14
72) 1,4-Dichlorobenzene-d4	12.70	152	66	50.00	ug/l	0.10
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	455	628.12	ug/l	0.03
Spiked Amount 50.000			Recovery	= 1256.24%		
35) Dibromofluoromethane	4.29	113	68	129.56	ug/l	0.00
Spiked Amount 50.000			Recovery	= 259.12%		
50) Toluene-d8	7.59	98	73	54.95	ug/l	-0.11
Spiked Amount 50.000			Recovery	= 109.90%		
62) 4-Bromofluorobenzene	11.32	95	576	1127.00	ug/l	-0.16
Spiked Amount 50.000			Recovery	= 2254.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.05	85	404	336.511	ug/l #	12
3) Chloromethane	1.16	50	183	147.475	ug/l #	41
4) Vinyl Chloride	1.20	62	76	71.288	ug/l #	1
5) Bromomethane	1.39	94	356	574.827	ug/l #	6
6) Chloroethane	1.50	64	122	273.740	ug/l #	41
7) Trichlorofluoromethane	1.33	101	68	50.208	ug/l #	20
8) Diethyl Ether	1.54	74	150	532.137	ug/l	89
10) Methyl Iodide	2.13	142	73	44.412	ug/l #	42
11) Tert butyl alcohol	2.72	59	151	2998.820	ug/l #	1
12) 1,1-Dichloroethene	1.93	96	340	386.352	ug/l #	1
13) Acrolein	2.06	56	117	2427.810	ug/l #	14
14) Allyl chloride	2.19	41	1140	1128.775	ug/l #	21
15) Acrylonitrile	3.11	53	484	3155.893	ug/l #	1
16) Acetone	2.37	43	244	1409.199	ug/l #	47
17) Carbon Disulfide	1.95	76	68	27.807	ug/l #	71
18) Methyl Acetate	2.49	43	195	585.283	ug/l #	71
19) Methyl tert-butyl Ether	2.59	73	159	102.332	ug/l #	58
20) Methylene Chloride	2.36	84	138	178.351	ug/l #	2
21) trans-1,2-Dichloroethene	2.42	96	918	1054.841	ug/l #	1
22) Diisopropyl ether	2.95	45	298	115.350	ug/l #	68
23) Vinyl Acetate	3.37	43	456	370.469	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	140	99.064	ug/l #	88
25) 2-Butanone	4.54	43	1117	3226.304	ug/l #	56
26) 2,2-Dichloropropane	3.87	77	963	1349.687	ug/l	89
27) cis-1,2-Dichloroethene	3.79	96	388	344.280	ug/l	35
28) Bromochloromethane	3.87	49	60	88.629	ug/l #	8
29) Tetrahydrofuran	4.30	42	600	3828.735	ug/l #	70
30) Chloroform	4.10	83	500	287.882	ug/l	84
31) Cyclohexane	3.89	56	156	92.111	ug/l #	3
32) 1,1,1-Trichloroethane	4.30	97	150	117.988	ug/l #	17
36) 1,1-Dichloropropene	4.40	75	63	87.577	ug/l #	40
37) Ethyl Acetate	4.24	43	574	1690.942	ug/l #	1
38) Carbon Tetrachloride	4.21	117	77	120.929	ug/l #	13
39) Methylcyclohexane	5.56	83	119	138.162	ug/l #	14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.74	78	335	177.543	ug/l #	1
41) Methacrylonitrile	4.85	41	365	1864.086	ug/l #	17
42) 1,2-Dichloroethane	4.90	62	99	198.469	ug/l #	74
43) Isopropyl Acetate	7.02	43	1981	5548.647	ug/l #	45
44) Trichloroethene	5.34	130	74	145.136	ug/l	2
45) 1,2-Dichloropropane	6.32	63	182	437.892	ug/l #	42
46) Dibromomethane	6.10	93	96	347.163	ug/l #	18
47) Bromodichloromethane	6.45	83	438	701.900	ug/l #	24
48) Methyl methacrylate	6.80	41	991	4223.655	ug/l #	44
49) 1,4-Dioxane	6.80	88	60	22297.799	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	487	1833.942	ug/l #	85
52) Toluene	7.64	92	131	131.710	ug/l #	1
53) t-1,3-Dichloropropene	8.30	75	239	509.929	ug/l #	44
54) cis-1,3-Dichloropropene	7.34	75	61	96.218	ug/l #	41
55) 1,1,2-Trichloroethane	8.54	97	473	1697.582	ug/l #	66
56) Ethyl methacrylate	8.65	69	201	634.489	ug/l #	1
57) 1,3-Dichloropropane	8.88	76	78	173.362	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.38	63	72	782.822	ug/l #	48
59) 2-Hexanone	9.23	43	367	2215.159	ug/l	90
60) Dibromochloromethane	8.81	129	248	598.485	ug/l #	10
61) 1,2-Dibromoethane	8.96	107	87	277.147	ug/l	100
65) Chlorobenzene	10.07	112	77	39.683	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.09	131	68	74.834	ug/l #	1
67) Ethyl Benzene	10.01	91	331	93.811	ug/l #	44
68) m/p-Xylenes	10.20	106	70	53.893	ug/l	90
69) o-Xylene	10.53	106	59	40.912	ug/l	55
70) Styrene	10.91	104	160	78.620	ug/l #	1
73) Isopropylbenzene	11.20	105	105	18.520	ug/l #	49
74) N-amyl acetate	11.41	43	3751	2914.370	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.74	83	275	282.049	ug/l #	22
76) 1,2,3-Trichloropropane	11.87	75	81	120.750	ug/l #	64
78) n-propylbenzene	11.74	91	384	64.206	ug/l	89
79) 2-Chlorotoluene	11.53	91	160	44.102	ug/l	79
80) 1,3,5-Trimethylbenzene	11.72	105	245	51.885	ug/l	63
81) trans-1,4-Dichloro-2-buten	11.94	75	89	260.149	ug/l #	19
82) 4-Chlorotoluene	11.94	91	252	71.874	ug/l #	41
83) tert-Butylbenzene	12.16	119	222	45.463	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.46	105	184	40.268	ug/l	80
85) sec-Butylbenzene	12.36	105	649	102.373	ug/l	81
86) p-Isopropyltoluene	12.49	119	270	50.208	ug/l #	50
87) 1,3-Dichlorobenzene	12.46	146	70	31.059	ug/l #	24
88) 1,4-Dichlorobenzene	12.46	146	70	32.201	ug/l #	23
89) n-Butylbenzene	12.88	91	902	221.784	ug/l #	28
90) Hexachloroethane	13.19	117	84	60.828	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.70	75	74	386.295	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.04	180	69	37.896	ug/l #	11
95) Naphthalene	14.50	128	286	89.833	ug/l #	32
96) 1,2,3-Trichlorobenzene	14.49	180	76	43.478	ug/l #	12

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

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