

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060405.D
 Acq On : 2 Oct 2018 16:36
 Operator : VA/AP
 Sample : J5170-01RE
 Misc : 7.81/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-1RE

Quant Time: Oct 03 02:33:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	70	50.00	ug/l	-0.17
34) 1,4-Difluorobenzene	5.27	114	98	50.00	ug/l	-0.47
63) Chlorobenzene-d5	9.22	117	72	50.00	ug/l	-0.68
72) 1,4-Dichlorobenzene-d4	12.56	152	208	50.00	ug/l	-0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.77	65	88	80.34	ug/l	-0.22
Spiked Amount	50.000		Recovery	=	160.68%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.11	98	98	43.22	ug/l	-0.58
Spiked Amount	50.000		Recovery	=	86.44%	
62) 4-Bromofluorobenzene	10.57	95	302	291.71	ug/l	-0.92
Spiked Amount	50.000		Recovery	=	583.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	80	53.583	ug/l #	43
3) Chloromethane	1.04	50	186	195.679	ug/l	99
4) Vinyl Chloride	1.14	62	116	117.313	ug/l #	42
5) Bromomethane	1.26	94	202	263.739	ug/l #	54
6) Chloroethane	1.40	64	85	172.259	ug/l #	1
7) Trichlorofluoromethane	1.52	101	60	26.153	ug/l #	18
8) Diethyl Ether	1.61	74	88	279.895	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.80	101	60	54.600	ug/l #	22
10) Methyl Iodide	1.79	142	62	36.997	ug/l #	21
11) Tert butyl alcohol	2.54	59	170	2565.884	ug/l #	77
12) 1,1-Dichloroethene	1.80	96	108	127.195	ug/l #	1
13) Acrolein	1.99	56	363	6812.806	ug/l	84
14) Allyl chloride	2.17	41	1585	1164.987	ug/l #	1
15) Acrylonitrile	2.92	53	198	1744.095	ug/l #	39
16) Acetone	2.23	43	81	370.435	ug/l #	1
17) Carbon Disulfide	1.84	76	92	35.782	ug/l #	68
18) Methyl Acetate	2.36	43	189	474.194	ug/l #	57
19) Methyl tert-butyl Ether	2.45	73	517	249.989	ug/l #	57
20) Methylene Chloride	2.21	84	131	178.135	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	79	93.159	ug/l #	1
22) Diisopropyl ether	2.80	45	211	85.441	ug/l #	28
23) Vinyl Acetate	3.17	43	646	658.524	ug/l #	81
24) 1,1-Dichloroethane	2.86	63	143	85.629	ug/l #	90
25) 2-Butanone	4.30	43	234	825.050	ug/l #	60
26) 2,2-Dichloropropane	3.60	77	417	440.875	ug/l #	61
27) cis-1,2-Dichloroethene	3.49	96	238	251.017	ug/l	1
28) Bromochloromethane	3.75	49	83	134.854	ug/l #	10
29) Tetrahydrofuran	4.07	42	180	1711.567	ug/l #	34
30) Chloroform	3.83	83	90	43.675	ug/l #	15
31) Cyclohexane	3.68	56	66	55.038	ug/l #	17
32) 1,1,1-Trichloroethane	4.04	97	64	37.323	ug/l #	6
36) 1,1-Dichloropropene	4.12	75	67	55.452	ug/l #	45
37) Ethyl Acetate	3.94	43	1169	2526.518	ug/l #	1
38) Carbon Tetrachloride	3.68	117	76	51.675	ug/l #	13

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.14	83	166	140.142	ug/l #	56
40) Benzene	4.38	78	161	67.121	ug/l #	1
41) Methacrylonitrile	4.50	41	647	2637.273	ug/l #	69
42) 1,2-Dichloroethane	4.57	62	70	61.171	ug/l	83
43) Isopropyl Acetate	6.51	43	558	997.938	ug/l #	44
44) Trichloroethene	5.22	130	89	115.640	ug/l	1
45) 1,2-Dichloropropane	5.88	63	177	277.091	ug/l #	46
46) Dibromomethane	5.74	93	74	144.086	ug/l #	9
47) Bromodichloromethane	5.85	83	79	62.109	ug/l #	23
48) Methyl methacrylate	6.31	41	340	847.082	ug/l #	7
49) 1,4-Dioxane	6.24	88	113	32651.702	ug/l #	25
51) 4-Methyl-2-Pentanone	7.70	43	354	889.381	ug/l #	39
52) Toluene	7.19	92	60	36.828	ug/l #	1
53) t-1,3-Dichloropropene	7.72	75	73	73.232	ug/l #	1
54) cis-1,3-Dichloropropene	6.80	75	78	66.952	ug/l #	1
55) 1,1,2-Trichloroethane	7.91	97	73	141.360	ug/l #	18
56) Ethyl methacrylate	8.02	69	59	100.543	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.17	63	301	5021.689	ug/l	100
59) 2-Hexanone	8.80	43	610	2089.404	ug/l #	27
60) Dibromochloromethane	8.17	129	77	99.031	ug/l #	11
61) 1,2-Dibromoethane	8.40	107	68	120.340	ug/l #	4
64) Tetrachloroethene	8.38	164	69	120.554	ug/l #	1
65) Chlorobenzene	9.93	112	67	45.300	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	9.91	131	62	96.006	ug/l #	9
67) Ethyl Benzene	10.01	91	88	31.292	ug/l #	47
68) m/p-Xylenes	10.28	106	73	75.512	ug/l #	1
69) o-Xylene	10.83	106	67	63.582	ug/l #	1
70) Stvrene	10.96	104	79	52.707	ug/l #	29
73) Isopropylbenzene	11.16	105	78	4.763	ug/l #	51
74) N-amyl acetate	11.44	43	322	85.668	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	11.77	83	73	24.449	ug/l #	22
76) 1,2,3-Trichloropropane	11.83	75	101	45.947	ug/l #	39
77) Bromobenzene	11.53	156	66	18.028	ug/l #	1
78) n-propylbenzene	11.69	91	102	5.137	ug/l #	55
79) 2-Chlorotoluene	11.80	91	59	5.080	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.92	105	74	5.318	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.97	75	69	70.813	ug/l #	70
82) 4-Chlorotoluene	12.02	91	70	5.891	ug/l #	43
83) tert-Butylbenzene	12.20	119	74	5.392	ug/l #	71
84) 1,2,4-Trimethylbenzene	12.29	105	84	6.087	ug/l #	30
85) sec-Butylbenzene	12.32	105	73	3.854	ug/l #	58
86) p-Isopropyltoluene	12.58	119	90	5.815	ug/l #	49
87) 1,3-Dichlorobenzene	12.60	146	82	11.903	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	78	11.482	ug/l #	24
89) n-Butylbenzene	12.92	91	89	5.435	ug/l #	28
90) Hexachloroethane	12.93	117	140	35.000	ug/l #	27
91) 1,2-Dichlorobenzene	12.99	146	92	13.938	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	85	146.845	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.15	180	63	12.770	ug/l #	10
95) Naphthalene	14.51	128	354	40.132	ug/l #	70

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

