

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060406.D
 Acq On : 2 Oct 2018 17:04
 Operator : VA/AP
 Sample : J5170-07
 Misc : 7.66/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-2

Quant Time: Oct 03 02:33:54 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	5.12	168	70	50.00	ug/l	0.11
34) 1,4-Difluorobenzene	5.68	114	72	50.00	ug/l	-0.07
63) Chlorobenzene-d5	9.89	117	88	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.52	152	64	50.00	ug/l	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.14	65	173	157.94	ug/l	0.15
Spiked Amount			Recovery	=	315.88%	
35) Dibromofluoromethane	4.20	113	122	180.37	ug/l	-0.07
Spiked Amount			Recovery	=	360.74%	
50) Toluene-d8	7.72	98	71	42.62	ug/l	0.03
Spiked Amount			Recovery	=	85.24%	
62) 4-Bromofluorobenzene	11.35	95	82	107.81	ug/l	-0.13
Spiked Amount			Recovery	=	215.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	127	88.812	ug/l #	43
3) Chloromethane	1.13	50	195	205.147	ug/l #	41
4) Vinyl Chloride	1.20	62	120	121.358	ug/l #	42
5) Bromomethane	1.44	94	188	245.460	ug/l	98
6) Chloroethane	1.51	64	95	192.525	ug/l #	20
7) Trichlorofluoromethane	1.58	101	86	37.487	ug/l #	18
8) Diethyl Ether	1.73	74	73	232.186	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.02	101	65	59.150	ug/l #	22
10) Methyl Iodide	2.02	142	141	84.137	ug/l #	1
11) Tert butyl alcohol	2.86	59	276	4165.788	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	62	73.020	ug/l #	1
13) Acrolein	2.10	56	170	3190.570	ug/l	96
14) Allyl chloride	2.24	41	697	512.300	ug/l #	32
15) Acrylonitrile	3.13	53	65	572.557	ug/l #	14
16) Acetone	2.36	43	506	2451.459	ug/l #	66
17) Carbon Disulfide	1.95	76	211	82.065	ug/l #	68
18) Methyl Acetate	2.46	43	344	864.595	ug/l #	57
19) Methyl tert-butyl Ether	2.57	73	510	246.604	ug/l #	57
20) Methylene Chloride	2.31	84	64	83.823	ug/l #	43
21) trans-1,2-Dichloroethene	2.48	96	300	353.769	ug/l #	17
22) Diisopropyl ether	2.97	45	96	38.874	ug/l #	37
23) Vinyl Acetate	3.37	43	273	278.293	ug/l #	81
24) 1,1-Dichloroethane	3.06	63	72	43.114	ug/l #	90
25) 2-Butanone	4.58	43	60	211.551	ug/l #	60
26) 2,2-Dichloropropane	3.82	77	82	86.695	ug/l #	61
27) cis-1,2-Dichloroethene	3.77	96	76	80.157	ug/l	1
28) Bromochloromethane	3.95	49	84	136.479	ug/l	86
29) Tetrahydrofuran	4.32	42	95	901.122	ug/l #	43
30) Chloroform	4.10	83	181	87.835	ug/l #	15
31) Cyclohexane	3.91	56	367	306.043	ug/l #	17
32) 1,1,1-Trichloroethane	4.23	97	145	84.559	ug/l #	23
36) 1,1-Dichloropropene	4.37	75	73	82.235	ug/l #	45
37) Ethyl Acetate	4.20	43	249	732.489	ug/l #	17
39) Methylcyclohexane	5.57	83	67	76.989	ug/l #	10

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40) Benzene	4.61	78	74	41.991	ug/l #	51
41) Methacrylonitrile	4.82	41	1084	6014.141	ug/l #	20
42) 1,2-Dichloroethane	4.93	62	66	78.503	ug/l #	1
43) Isopropyl Acetate	6.98	43	292	710.798	ug/l #	44
44) Trichloroethene	5.70	130	85	150.324	ug/l #	71
45) 1,2-Dichloropropane	6.28	63	226	481.560	ug/l #	46
47) Bromodichloromethane	6.42	83	105	112.359	ug/l #	5
48) Methyl methacrylate	6.79	41	859	2912.950	ug/l #	37
49) 1,4-Dioxane	6.94	88	92	36183.352	ug/l #	49
51) 4-Methyl-2-Pentanone	8.34	43	437	1494.375	ug/l #	95
52) Toluene	7.72	92	88	73.519	ug/l #	1
53) t-1,3-Dichloropropene	8.30	75	95	129.717	ug/l #	44
54) cis-1,3-Dichloropropene	7.29	75	130	151.881	ug/l #	28
55) 1,1,2-Trichloroethane	8.49	97	219	577.221	ug/l #	18
56) Ethyl methacrylate	8.69	69	229	531.166	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.67	63	93	2111.835	ug/l #	100
59) 2-Hexanone	9.51	43	512	2387.021	ug/l #	27
60) Dibromochloromethane	8.73	129	63	110.284	ug/l #	11
61) 1,2-Dibromoethane	9.08	107	77	185.475	ug/l #	4
65) Chlorobenzene	9.92	112	66	36.511	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.06	131	64	81.085	ug/l #	9
67) Ethyl Benzene	9.96	91	152	44.223	ug/l #	47
68) m/p-Xylenes	10.29	106	66	55.858	ug/l #	58
70) Styrene	10.99	104	62	33.844	ug/l #	29
73) Isopropylbenzene	11.14	105	87	17.265	ug/l #	51
74) N-amyl acetate	11.44	43	515	445.300	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	11.80	83	60	65.308	ug/l #	22
76) 1,2,3-Trichloropropane	11.80	75	123	181.856	ug/l #	1
77) Bromobenzene	11.55	156	97	86.112	ug/l #	1
78) n-propylbenzene	11.79	91	306	50.090	ug/l #	55
79) 2-Chlorotoluene	11.79	91	306	85.630	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.92	105	61	14.248	ug/l #	31
81) trans-1,4-Dichloro-2-buten	12.03	75	70	233.476	ug/l #	15
82) 4-Chlorotoluene	11.99	91	77	21.059	ug/l #	43
83) tert-Butylbenzene	12.30	119	60	14.209	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.27	105	59	13.896	ug/l #	30
85) sec-Butylbenzene	12.39	105	79	13.553	ug/l #	58
86) p-Isopropyltoluene	12.59	119	60	12.600	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	89	41.987	ug/l #	23
88) 1,4-Dichlorobenzene	12.55	146	89	42.581	ug/l #	24
89) n-Butylbenzene	12.93	91	376	74.618	ug/l #	28
90) Hexachloroethane	13.05	117	124	100.750	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.74	75	130	729.907	ug/l #	4
94) Hexachlorobutadiene	14.19	225	67	63.239	ug/l #	17
95) Naphthalene	14.50	128	122	44.950	ug/l #	70

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

