

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060380.D
 Acq On : 28 Sep 2018 21:17
 Operator : VA/AP
 Sample : J5170-07
 Misc : 6.46/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-2

Quant Time: Sep 29 00:20:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	2757	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	3019	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	129	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.98	65	512	13.79	ug/l	-0.03
Spiked Amount			Recovery	=		27.58%
35) Dibromofluoromethane	4.27	113	1192	44.29	ug/l	-0.02
Spiked Amount			Recovery	=		88.58%
50) Toluene-d8	7.72	98	2993	42.71	ug/l	0.00
Spiked Amount			Recovery	=		85.42%
62) 4-Bromofluorobenzene	11.50	95	1500	49.51	ug/l	0.00
Spiked Amount			Recovery	=		99.02%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	63	Below Cal	#	40
3) Chloromethane	1.12	50	201	5.350	ug/l #	28
4) Vinyl Chloride	1.31	62	94	2.455	ug/l #	43
5) Bromomethane	1.31	94	308	8.432	ug/l	97
6) Chloroethane	1.44	64	114	6.252	ug/l #	42
7) Trichlorofluoromethane	1.44	101	72	1.009	ug/l #	18
8) Diethyl Ether	1.79	74	140	11.796	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.94	101	64	1.687	ug/l #	23
10) Methyl Iodide	1.99	142	79	1.291	ug/l #	24
11) Tert butyl alcohol	2.61	59	72	19.330	ug/l #	1
12) 1,1-Dichloroethene	1.78	96	292	9.307	ug/l #	1
13) Acrolein	2.19	56	179	269.365	ug/l	93
14) Allyl chloride	2.21	41	684	12.493	ug/l #	48
15) Acrylonitrile	3.03	53	103	19.645	ug/l #	65
16) Acetone	2.35	43	738	70.589	ug/l #	59
17) Carbon Disulfide	1.79	76	121	Below Cal	#	70
18) Methyl Acetate	2.43	43	948	54.430	ug/l #	62
20) Methylene Chloride	2.26	84	177	Below Cal	#	8
21) trans-1,2-Dichloroethene	2.39	96	199	6.141	ug/l #	1
22) Diisopropyl ether	2.91	45	229	2.217	ug/l #	42
23) Vinyl Acetate	3.30	43	671	16.539	ug/l #	79
24) 1,1-Dichloroethane	2.99	63	104	1.552	ug/l #	89
25) 2-Butanone	4.47	43	277	19.684	ug/l #	56
26) 2,2-Dichloropropane	3.73	77	102	2.668	ug/l #	58
27) cis-1,2-Dichloroethene	3.66	96	187	4.393	ug/l	1
28) Bromochloromethane	3.84	49	63	2.415	ug/l #	8
29) Tetrahydrofuran	4.25	42	219	42.497	ug/l #	88
31) Cyclohexane	3.81	56	112	1.979	ug/l #	15
32) 1,1,1-Trichloroethane	4.24	97	70	1.097	ug/l #	21
36) 1,1-Dichloropropene	4.46	75	136	3.611	ug/l #	1
37) Ethyl Acetate	4.32	43	632	39.663	ug/l #	1
39) Methylcyclohexane	5.65	83	67	1.642	ug/l #	16
40) Benzene	4.86	78	144	1.686	ug/l #	1
41) Methacrylonitrile	4.89	41	807	93.336	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.09	62	75	2.386	ug/l	79
43) Isopropyl Acetate	7.11	43	730	38.056	ug/l #	48
44) Trichloroethene	5.79	130	64	2.518	ug/l	1
45) 1,2-Dichloropropane	6.39	63	79	3.575	ug/l #	42
46) Dibromomethane	6.25	93	89	5.634	ug/l #	5
47) Bromodichloromethane	6.56	83	61	1.607	ug/l #	26
48) Methyl methacrylate	6.82	41	956	70.996	ug/l #	14
49) 1,4-Dioxane	6.52	88	70	581.878	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	793	53.637	ug/l #	35
53) t-1,3-Dichloropropene	8.37	75	136	4.441	ug/l #	42
54) cis-1,3-Dichloropropene	7.45	75	63	1.633	ug/l #	1
55) 1,1,2-Trichloroethane	8.51	97	189	11.528	ug/l #	17
56) Ethyl methacrylate	8.75	69	204	10.302	ug/l #	1
57) 1,3-Dichloropropane	8.97	76	62	2.284	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.77	63	137	78.265	ug/l	100
59) 2-Hexanone	9.63	43	168	15.959	ug/l #	26
60) Dibromochloromethane	8.95	129	75	3.069	ug/l #	13
61) 1,2-Dibromoethane	9.15	107	78	4.272	ug/l #	4
64) Tetrachloroethene	8.27	164	62	9.592	ug/l #	1
65) Chlorobenzene	9.94	112	77	4.765	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.04	131	62	9.245	ug/l #	6
67) Ethyl Benzene	10.08	91	326	10.911	ug/l #	46
68) m/p-Xylenes	10.36	106	67	6.491	ug/l #	1
69) o-Xylene	10.93	106	153	13.214	ug/l #	1
70) Styrene	11.03	104	67	4.103	ug/l #	31
71) Bromoform	10.91	173	80	21.721	ug/l #	31
73) Isopropylbenzene	11.21	105	131	11.312	ug/l #	51
74) N-amyl acetate	11.44	43	272	110.143	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.78	83	380	185.153	ug/l #	15
76) 1,2,3-Trichloropropane	11.86	75	155	105.477	ug/l #	52
77) Bromobenzene	11.59	156	1250	500.848	ug/l #	6
78) n-propylbenzene	11.71	91	216	12.699	ug/l #	57
79) 2-Chlorotoluene	11.83	91	163	20.866	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.93	105	250	26.818	ug/l #	10
81) trans-1,4-Dichloro-2-buten	11.95	75	68	87.561	ug/l #	20
82) 4-Chlorotoluene	12.12	91	406	51.709	ug/l	92
83) tert-Butylbenzene	12.21	119	146	15.450	ug/l #	82
84) 1,2,4-Trimethylbenzene	12.13	105	170	17.959	ug/l	92
85) sec-Butylbenzene	12.32	105	1436	146.665	ug/l #	58
86) p-Isopropyltoluene	12.54	119	289	29.646	ug/l #	1
87) 1,3-Dichlorobenzene	12.49	146	74	15.867	ug/l #	1
88) 1,4-Dichlorobenzene	12.75	146	71	15.403	ug/l #	25
89) n-Butylbenzene	12.92	91	502	51.286	ug/l #	72
90) Hexachloroethane	13.01	117	228	86.222	ug/l #	22
91) 1,2-Dichlorobenzene	13.05	146	222	49.900	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.78	75	267	692.907	ug/l	65
93) 1,2,4-Trichlorobenzene	14.29	180	167	51.645	ug/l #	10
95) Naphthalene	14.49	128	229	40.392	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	69	23.093	ug/l #	1

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

