

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060378.D
 Acq On : 28 Sep 2018 20:22
 Operator : VA/AP
 Sample : J4780-03
 Misc : 8.66/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Quant Time: Sep 29 00:19:13 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	64	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	84	50.00	ug/l	-0.15
63) Chlorobenzene-d5	9.67	117	67	50.00	ug/l	-0.25
72) 1,4-Dichlorobenzene-d4	12.61	152	1971	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.96	65	82	95.15	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	190.30%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.50	98	62	31.79	ug/l	-0.21
Spiked Amount	50.000		Recovery	=	63.58%	
62) 4-Bromofluorobenzene	11.19	95	1143	1355.97	ug/l	-0.31
Spiked Amount	50.000		Recovery	=	2711.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	104	116.639	ug/l #	40
3) Chloromethane	1.18	50	225	257.984	ug/l #	24
4) Vinyl Chloride	1.16	62	151	169.885	ug/l #	43
5) Bromomethane	1.18	94	83	184.398	ug/l	94
6) Chloroethane	1.43	64	139	328.366	ug/l #	42
7) Trichlorofluoromethane	1.54	101	141	85.149	ug/l #	18
8) Diethyl Ether	1.70	74	160	580.759	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.83	101	141	160.108	ug/l #	23
10) Methyl Iodide	1.93	142	69	48.587	ug/l #	24
11) Tert butyl alcohol	2.65	59	67	1474.957	ug/l #	63
12) 1,1-Dichloroethene	1.86	96	221	303.442	ug/l #	1
13) Acrolein	2.00	56	117	3221.258	ug/l	85
14) Allyl chloride	2.18	41	561	441.406	ug/l #	52
15) Acrylonitrile	3.00	53	66	542.261	ug/l #	14
16) Acetone	2.32	43	642	2645.284	ug/l #	59
17) Carbon Disulfide	1.93	76	67	34.458	ug/l #	70
18) Methyl Acetate	2.41	43	434	1073.432	ug/l #	62
19) Methyl tert-butyl Ether	2.54	73	152	83.717	ug/l #	59
20) Methylene Chloride	2.30	84	196	342.479	ug/l #	7
21) trans-1,2-Dichloroethene	2.39	96	138	183.456	ug/l #	1
22) Diisopropyl ether	2.87	45	222	92.580	ug/l #	1
23) Vinyl Acetate	3.31	43	937	994.913	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	113	72.662	ug/l #	89
25) 2-Butanone	4.47	43	590	1806.119	ug/l #	15
26) 2,2-Dichloropropane	3.76	77	205	231.029	ug/l #	58
27) cis-1,2-Dichloroethene	3.59	96	92	93.096	ug/l	1
28) Bromochloromethane	3.93	49	67	110.658	ug/l #	8
29) Tetrahydrofuran	4.21	42	99	827.574	ug/l #	35
30) Chloroform	4.00	83	95	50.627	ug/l #	15
31) Cyclohexane	3.85	56	132	100.488	ug/l #	15
32) 1,1,1-Trichloroethane	4.21	97	168	113.466	ug/l #	21
36) 1,1-Dichloropropene	4.18	75	90	85.896	ug/l #	41
37) Ethyl Acetate	4.22	43	584	1317.256	ug/l #	1
38) Carbon Tetrachloride	4.15	117	89	79.081	ug/l #	14

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

39) Methylcyclohexane	5.48	83	88	77.493	ug/l #	74
40) Benzene	4.63	78	312	131.322	ug/l #	53
41) Methacrylonitrile	4.80	41	896	3724.504	ug/l #	48
42) 1,2-Dichloroethane	4.91	62	60	68.612	ug/l	79
43) Isopropyl Acetate	6.95	43	588	1101.684	ug/l #	48
44) Trichloroethene	5.63	130	64	90.515	ug/l	1
45) 1,2-Dichloropropane	6.30	63	194	315.510	ug/l #	42
46) Dibromomethane	6.07	93	119	270.752	ug/l #	5
47) Bromodichloromethane	6.38	83	222	210.183	ug/l #	26
48) Methyl methacrylate	6.71	41	431	1150.372	ug/l #	80
49) 1,4-Dioxane	6.58	88	71	21211.717	ug/l #	20
51) 4-Methyl-2-Pentanone	8.17	43	924	2246.178	ug/l #	35
53) t-1,3-Dichloropropene	8.22	75	90	105.637	ug/l #	1
54) cis-1,3-Dichloropropene	7.34	75	201	187.273	ug/l #	62
55) 1,1,2-Trichloroethane	8.43	97	454	995.225	ug/l #	38
56) Ethyl methacrylate	8.51	69	748	1357.680	ug/l #	43
57) 1,3-Dichloropropane	8.76	76	80	105.914	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.61	63	235	4824.987	ug/l	100
59) 2-Hexanone	9.35	43	388	1324.706	ug/l	63
60) Dibromochloromethane	8.70	129	67	98.542	ug/l #	13
61) 1,2-Dibromoethane	8.88	107	207	407.492	ug/l #	64
65) Chlorobenzene	9.95	112	133	87.586	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	116	184.074	ug/l	83
67) Ethyl Benzene	10.01	91	325	115.755	ug/l #	46
68) m/p-Xylenes	10.18	106	76	78.350	ug/l	86
69) o-Xylene	10.85	106	811	745.407	ug/l	61
70) Styrene	10.87	104	159	103.626	ug/l #	37
71) Bromoform	10.86	173	77	222.482	ug/l #	31
73) Isopropylbenzene	11.22	105	616	3.481	ug/l #	66
74) N-amyl acetate	11.47	43	666	17.651	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.77	83	408	13.011	ug/l #	40
76) 1,2,3-Trichloropropane	11.87	75	73	3.251	ug/l #	1
77) Bromobenzene	11.59	156	794	20.822	ug/l #	62
78) n-propylbenzene	11.75	91	846	Below Cal		96
79) 2-Chlorotoluene	11.66	91	787	6.594	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	1301	9.134	ug/l	82
81) trans-1,4-Dichloro-2-buten	11.97	75	70	5.899	ug/l #	1
82) 4-Chlorotoluene	12.00	91	700	5.835	ug/l #	43
83) tert-Butylbenzene	12.27	119	319	2.209	ug/l	73
84) 1,2,4-Trimethylbenzene	12.32	105	1799	12.439	ug/l	80
85) sec-Butylbenzene	12.37	105	2430	7.319	ug/l	82
86) p-Isopropyltoluene	12.50	119	566	Below Cal	#	1
87) 1,3-Dichlorobenzene	12.56	146	251	3.522	ug/l #	1
88) 1,4-Dichlorobenzene	12.64	146	391	5.552	ug/l #	1
89) n-Butylbenzene	12.92	91	951	1.932	ug/l #	47
90) Hexachloroethane	13.03	117	841	20.815	ug/l	75
91) 1,2-Dichlorobenzene	13.02	146	189	2.780	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.72	75	363	61.656	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.28	180	94	1.903	ug/l #	1
95) Naphthalene	14.50	128	657	7.585	ug/l #	83

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96) 1,2,3-Trichlorobenzene	14.64	180	183	4.008	ug/l #	1

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

