

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060603.D
 Acq On : 6 Nov 2018 9:06
 Operator : VA/AP
 Sample : J5794-11
 Misc : 5.09/5mL/MSVOA-F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-10B-S

Quant Time: Nov 06 10:31:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	2264	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.62	114	2319	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	77	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.42	152	60	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	287	12.55	ug/l	0.02
Spiked Amount			Recovery	=	25.10%	
35) Dibromofluoromethane	4.11	113	132	7.37	ug/l	0.00
Spiked Amount			Recovery	=	14.74%	
50) Toluene-d8	7.57	98	417	7.86	ug/l	0.01
Spiked Amount			Recovery	=	15.72%	
62) 4-Bromofluorobenzene	11.45	95	63	2.71	ug/l	0.03
Spiked Amount			Recovery	=	5.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	175	3.688	ug/l #	41
3) Chloromethane	1.12	50	271	13.677	ug/l #	45
4) Vinyl Chloride	1.14	62	62	3.396	ug/l #	48
5) Bromomethane	1.21	94	82	8.001	ug/l	88
6) Chloroethane	1.47	64	78	8.242	ug/l #	40
11) Tert butyl alcohol	2.60	59	77	59.101	ug/l #	1
12) 1,1-Dichloroethene	1.78	96	66	4.013	ug/l #	1
13) Acrolein	1.93	56	297	418.587	ug/l	99
14) Allyl chloride	2.07	41	452	16.831	ug/l #	43
15) Acrylonitrile	2.91	53	72	26.410	ug/l #	6
16) Acetone	2.26	43	620	115.024	ug/l	98
17) Carbon Disulfide	1.84	76	282	6.087	ug/l #	68
18) Methyl Acetate	2.36	43	2031	240.728	ug/l #	64
19) Methyl tert-butyl Ether	2.43	73	99	2.575	ug/l #	1
20) Methylene Chloride	2.23	84	301	15.010	ug/l #	3
21) trans-1,2-Dichloroethene	2.29	96	72	4.173	ug/l #	1
22) Diisopropyl ether	2.83	45	201	3.533	ug/l #	1
23) Vinyl Acetate	3.21	43	262	7.664	ug/l #	75
24) 1,1-Dichloroethane	2.87	63	60	1.822	ug/l #	89
25) 2-Butanone	4.36	43	74	Below Cal	#	56
26) 2,2-Dichloropropane	3.57	77	507	20.576	ug/l #	57
27) cis-1,2-Dichloroethene	3.50	96	84	2.550	ug/l	1
28) Bromochloromethane	3.74	49	68	3.290	ug/l #	13
29) Tetrahydrofuran	4.43	42	288	63.981	ug/l	89
30) Chloroform	3.80	83	159	3.052	ug/l #	16
31) Cyclohexane	3.71	56	593	13.049	ug/l #	74
32) 1,1,1-Trichloroethane	4.15	97	77	2.116	ug/l #	21
36) 1,1-Dichloropropene	4.40	75	76	2.976	ug/l #	1
37) Ethyl Acetate	4.16	43	636	51.888	ug/l #	17
38) Carbon Tetrachloride	4.09	117	82	3.758	ug/l #	11
39) Methylcyclohexane	5.45	83	65	2.086	ug/l #	1
40) Benzene	4.79	78	64	1.033	ug/l #	1
41) Methacrylonitrile	4.76	41	199	28.669	ug/l #	46
43) Isopropyl Acetate	6.99	43	557	35.926	ug/l #	45

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

45) 1,2-Dichloropropane	6.29	63	72	4.542	ug/l #	43
46) Dibromomethane	6.11	93	63	6.265	ug/l #	3
47) Bromodichloromethane	6.41	83	281	11.585	ug/l #	25
48) Methyl methacrylate	6.74	41	392	40.229	ug/l #	34
49) 1,4-Dioxane	6.47	88	96	941.785	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	723	69.345	ug/l #	37
53) t-1,3-Dichloropropene	8.27	75	59	2.799	ug/l #	1
54) cis-1,3-Dichloropropene	7.23	75	61	2.290	ug/l #	1
55) 1,1,2-Trichloroethane	8.52	97	99	8.426	ug/l #	52
56) Ethyl methacrylate	8.66	69	418	27.653	ug/l #	40
57) 1,3-Dichloropropane	8.88	76	70	3.396	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.62	63	62	47.197	ug/l	100
59) 2-Hexanone	9.52	43	144	Below Cal	#	50
60) Dibromochloromethane	8.79	129	61	3.712	ug/l #	12
65) Chlorobenzene	9.92	112	72	45.725	ug/l #	41
67) Ethyl Benzene	9.88	91	64	22.397	ug/l #	44
69) o-Xylene	10.62	106	59	50.198	ug/l	71
70) Styrene	10.74	104	70	41.109	ug/l #	1
73) Isopropylbenzene	11.13	105	74	15.814	ug/l #	47
74) N-amyl acetate	11.36	43	777	701.487	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.70	83	358	419.155	ug/l #	24
76) 1,2,3-Trichloropropane	11.82	75	82	195.355	ug/l #	1
78) n-propylbenzene	11.60	91	168	30.686	ug/l #	55
79) 2-Chlorotoluene	11.69	91	208	66.526	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.88	105	83	21.519	ug/l #	24
81) trans-1,4-Dichloro-2-buten	11.82	75	82	248.574	ug/l #	23
82) 4-Chlorotoluene	11.89	91	85	26.057	ug/l #	43
83) tert-Butylbenzene	12.09	119	65	16.496	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.19	105	146	38.654	ug/l #	27
85) sec-Butylbenzene	12.35	105	234	43.171	ug/l #	57
86) p-Isopropyltoluene	12.47	119	62	13.890	ug/l #	50
89) n-Butylbenzene	12.83	91	204	46.414	ug/l #	60
90) Hexachloroethane	12.81	117	79	69.595	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.57	75	64	431.303	ug/l #	1
95) Naphthalene	14.46	128	60	23.469	ug/l #	71

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

