

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062338.D
 Acq On : 30 Apr 2019 18:19
 Operator : FY/SY
 Sample : K2191-01RE
 Misc : 3.57g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-66-TPRE

Quant Time: May 01 07:59:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	22661	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	25194	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.88	117	12334	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.60	152	3725	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	5412	29.48	ug/l	-0.03
Spiked Amount			Recovery	=	58.96%	
35) Dibromofluoromethane	4.29	113	7964	42.63	ug/l	-0.04
Spiked Amount			Recovery	=	85.26%	
50) Toluene-d8	7.69	98	19577	42.91	ug/l	-0.04
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	11.48	95	4763	25.33	ug/l	-0.03
Spiked Amount			Recovery	=	50.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	428	1.887	ug/l #	44
5) Bromomethane	1.40	94	457	3.132	ug/l #	68
8) Diethyl Ether	1.72	74	248	4.009	ug/l	94
11) Tert butyl alcohol	2.75	59	60	5.404	ug/l #	71
12) 1,1-Dichloroethene	1.88	96	376	1.967	ug/l #	1
13) Acrolein	2.09	56	260	32.401	ug/l #	10
14) Allyl chloride	2.21	41	648	3.114	ug/l #	18
15) Acrylonitrile	3.09	53	256	8.324	ug/l #	61
16) Acetone	2.32	43	4516	109.885	ug/l	94
17) Carbon Disulfide	1.85	76	830	1.650	ug/l #	3
18) Methyl Acetate	2.44	43	449	3.066	ug/l #	90
19) Methyl tert-butyl Ether	2.50	73	1723	4.727	ug/l #	26
20) Methylene Chloride	2.27	84	1175	1.587	ug/l #	54
23) Vinyl Acetate	3.37	43	833	3.354	ug/l #	78
25) 2-Butanone	4.47	43	920	14.118	ug/l #	57
26) 2,2-Dichloropropane	3.87	77	516	3.108	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	325	1.358	ug/l #	6
29) Tetrahydrofuran	4.25	42	185	6.461	ug/l #	45
37) Ethyl Acetate	4.29	43	345	3.528	ug/l #	3
41) Methacrylonitrile	4.93	41	395	7.271	ug/l #	33
43) Isopropyl Acetate	7.09	43	2356	23.400	ug/l #	90
48) Methyl methacrylate	6.83	41	355	4.955	ug/l #	30
49) 1,4-Dioxane	6.73	88	67	81.217	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	8037	104.313	ug/l	92
54) cis-1,3-Dichloropropene	7.42	75	206	1.017	ug/l #	1
56) Ethyl methacrylate	8.74	69	3710	36.694	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.39	63	69	2.243	ug/l #	44
59) 2-Hexanone	9.61	43	6059	121.539	ug/l	97
65) Chlorobenzene	9.90	112	695	3.084	ug/l #	67
66) 1,1,1,2-Tetrachloroethane	10.03	131	174	1.639	ug/l #	1
67) Ethyl Benzene	10.01	91	2010	5.130	ug/l #	84
68) m/p-Xylenes	10.24	106	937	6.423	ug/l #	46
69) o-Xylene	10.81	106	432	2.651	ug/l	75
70) Styrene	10.87	104	1470	6.239	ug/l #	84

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

71) Bromoform	10.87	173	65	1.088	ug/l #	31
73) Isopropylbenzene	11.20	105	1518	5.948	ug/l	99
74) N-amyl acetate	11.43	43	1381	23.485	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.76	83	76	1.874	ug/l #	23
76) 1,2,3-Trichloropropane	11.85	75	396	13.765	ug/l #	100
77) Bromobenzene	11.57	156	458	7.178	ug/l #	55
78) n-propylbenzene	11.66	91	2148	7.999	ug/l	87
79) 2-Chlorotoluene	11.79	91	1380	8.531	ug/l	96
80) 1,3,5-Trimethylbenzene	11.88	105	1136	5.273	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.97	75	351	27.295	ug/l #	31
82) 4-Chlorotoluene	11.96	91	1329	8.303	ug/l	75
83) tert-Butylbenzene	12.18	119	1127	5.097	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1104	5.291	ug/l	86
85) sec-Butylbenzene	12.36	105	1507	5.472	ug/l	91
86) p-Isopropyltoluene	12.51	119	887	3.592	ug/l	87
87) 1,3-Dichlorobenzene	12.53	146	665	5.891	ug/l #	84
88) 1,4-Dichlorobenzene	12.60	146	917	8.568	ug/l #	85
89) n-Butylbenzene	12.89	91	909	4.052	ug/l #	87
90) Hexachloroethane	12.96	117	651	10.518	ug/l #	46
91) 1,2-Dichlorobenzene	13.01	146	474	4.375	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	142	17.360	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.22	180	447	4.696	ug/l #	48
94) Hexachlorobutadiene	14.21	225	251	3.667	ug/l #	46
95) Naphthalene	14.48	128	449	3.045	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.62	180	221	2.455	ug/l #	45

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

