

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061546.D
 Acq On : 7 Feb 2019 15:46
 Operator : VA/AP
 Sample : K1401-01
 Misc : 6.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050

Quant Time: Feb 09 04:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	1514	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.59	114	1616	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	1813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	288	15.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	30.82%	
35) Dibromofluoromethane	4.12	113	427	33.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	66.98%	
50) Toluene-d8	7.55	98	2034	58.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.44%	
62) 4-Bromofluorobenzene	11.42	95	585	35.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	71.68%	

Target Compounds

						Qvalue
3) Chloromethane	1.07	50	296	13.570	ug/l #	44
5) Bromomethane	1.36	94	188	14.859	ug/l #	2
6) Chloroethane	1.37	64	69	8.025	ug/l #	1
8) Diethyl Ether	1.71	74	83	17.173	ug/l	94
10) Methyl Iodide	2.00	142	60	2.135	ug/l #	27
11) Tert butyl alcohol	2.51	59	60	75.833	ug/l #	1
12) 1,1-Dichloroethene	1.83	96	94	6.981	ug/l #	1
13) Acrolein	1.98	56	471	672.880	ug/l #	1
14) Allyl chloride	2.10	41	332	18.165	ug/l #	65
15) Acrylonitrile	2.92	53	808	398.681	ug/l #	19
16) Acetone	2.09	43	490	130.670	ug/l	97
17) Carbon Disulfide	1.80	76	82	1.953	ug/l #	1
18) Methyl Acetate	2.26	43	402	54.057	ug/l #	61
19) Methyl tert-butyl Ether	2.41	73	208	6.891	ug/l #	1
20) Methylene Chloride	2.19	84	127	8.519	ug/l #	7
21) trans-1,2-Dichloroethene	2.31	96	75	5.062	ug/l #	1
22) Diisopropyl ether	2.82	45	172	3.589	ug/l #	1
23) Vinyl Acetate	3.16	43	299	17.199	ug/l #	78
24) 1,1-Dichloroethane	2.88	63	100	3.325	ug/l #	1
25) 2-Butanone	4.33	43	172	27.582	ug/l #	57
26) 2,2-Dichloropropane	3.58	77	80	4.329	ug/l #	61
27) cis-1,2-Dichloroethene	3.56	96	67	3.064	ug/l	1
29) Tetrahydrofuran	4.06	42	255	94.967	ug/l #	38
31) Cyclohexane	3.69	56	69	2.297	ug/l #	13
36) 1,1-Dichloropropene	4.28	75	60	3.202	ug/l #	44
37) Ethyl Acetate	4.10	43	140	18.692	ug/l #	5
38) Carbon Tetrachloride	3.90	117	61	3.724	ug/l #	11
40) Benzene	4.56	78	82	1.967	ug/l #	52
41) Methacrylonitrile	4.71	41	73	18.317	ug/l #	29
42) 1,2-Dichloroethane	5.01	62	62	4.173	ug/l	76
43) Isopropyl Acetate	6.96	43	60	6.383	ug/l #	51
45) 1,2-Dichloropropane	6.33	63	63	5.757	ug/l #	44
48) Methyl methacrylate	6.71	41	435	68.914	ug/l #	19
51) 4-Methyl-2-Pentanone	8.24	43	215	31.112	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) t-1,3-Dichloropropene	8.17	75	60	4.197	ug/l #	44
54) cis-1,3-Dichloropropene	7.23	75	62	3.470	ug/l #	28
56) Ethyl methacrylate	8.61	69	81	8.930	ug/l #	62
59) 2-Hexanone	9.48	43	421	87.365	ug/l #	26
73) Isopropylbenzene	11.15	105	62	1.832	ug/l #	50
74) N-amyl acetate	11.38	43	149	18.624	ug/l #	47
76) 1,2,3-Trichloropropane	11.62	75	79	18.241	ug/l #	42
78) n-propylbenzene	11.65	91	72	1.775	ug/l #	54
79) 2-Chlorotoluene	11.65	91	72	3.067	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.89	105	80	2.930	ug/l #	28
83) tert-Butylbenzene	12.12	119	69	2.442	ug/l #	28
87) 1,3-Dichlorobenzene	12.48	146	75	5.145	ug/l #	24
88) 1,4-Dichlorobenzene	12.48	146	75	5.555	ug/l #	24
89) n-Butylbenzene	12.84	91	64	1.970	ug/l #	45
93) 1,2,4-Trichlorobenzene	14.20	180	98	10.466	ug/l #	64
95) Naphthalene	14.46	128	287	16.132	ug/l #	71

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

