

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061941.D
 Acq On : 14 Mar 2019 16:26
 Operator : VA/AP
 Sample : K1921-01
 Misc : 6.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 282-346

Quant Time: Mar 15 01:17:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	762	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	744	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	60	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	73	13.15	ug/l	0.03
Spiked Amount						
			Recovery	=	26.30%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
50) Toluene-d8	7.55	98	527	34.15	ug/l	-0.02
Spiked Amount						
			Recovery	=	68.30%	
62) 4-Bromofluorobenzene	11.41	95	194	32.09	ug/l	0.00
Spiked Amount						
			Recovery	=	64.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	112	12.353	ug/l #	45
4) Vinyl Chloride	1.12	62	73	8.482	ug/l #	43
5) Bromomethane	1.32	94	228	38.871	ug/l #	3
10) Methyl Iodide	1.99	142	69	5.079	ug/l #	40
11) Tert butyl alcohol	2.45	59	118	374.640	ug/l #	64
12) 1,1-Dichloroethene	1.83	96	73	11.202	ug/l #	1
13) Acrolein	2.11	56	389	974.689	ug/l	87
14) Allyl chloride	2.07	41	1434	199.735	ug/l #	36
15) Acrylonitrile	2.97	53	353	351.964	ug/l #	30
16) Acetone	2.26	43	2043	1757.565	ug/l #	50
17) Carbon Disulfide	1.87	76	175	8.627	ug/l #	1
18) Methyl Acetate	2.38	43	1399	297.379	ug/l #	62
19) Methyl tert-butyl Ether	2.49	73	84	7.619	ug/l #	56
20) Methylene Chloride	2.19	84	163	22.331	ug/l #	56
21) trans-1,2-Dichloroethene	2.31	96	63	10.271	ug/l #	1
22) Diisopropyl ether	2.79	45	885	47.388	ug/l #	1
23) Vinyl Acetate	3.25	43	586	70.238	ug/l #	76
24) 1,1-Dichloroethane	2.86	63	65	5.823	ug/l #	85
25) 2-Butanone	4.34	43	184	77.820	ug/l #	56
27) cis-1,2-Dichloroethene	3.47	96	67	7.885	ug/l	1
28) Bromochloromethane	3.69	49	82	16.852	ug/l #	2
29) Tetrahydrofuran	4.10	42	250	245.168	ug/l #	33
31) Cyclohexane	3.71	56	63	5.388	ug/l #	1
32) 1,1,1-Trichloroethane	4.14	97	60	7.634	ug/l #	22
36) 1,1-Dichloropropene	4.21	75	66	9.391	ug/l #	41
37) Ethyl Acetate	4.09	43	222	75.258	ug/l #	20
39) Methylcyclohexane	5.36	83	59	7.108	ug/l #	15
41) Methacrylonitrile	4.73	41	149	92.192	ug/l #	24
43) Isopropyl Acetate	6.97	43	242	66.553	ug/l #	42
46) Dibromomethane	6.23	93	76	27.644	ug/l #	2
48) Methyl methacrylate	6.69	41	341	148.180	ug/l #	18
51) 4-Methyl-2-Pentanone	8.27	43	118	46.954	ug/l #	35
52) Toluene	7.60	92	124	11.410	ug/l #	1
53) t-1,3-Dichloropropene	8.24	75	71	14.162	ug/l #	40

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54) cis-1,3-Dichloropropene	7.32	75	77	11.135	ug/l #	36
57) 1,3-Dichloropropane	8.99	76	60	11.717	ug/l #	43
59) 2-Hexanone	9.49	43	127	70.050	ug/l #	22
68) m/p-Xylenes	10.16	106	59	80.609	ug/l #	1
70) Styrene	10.87	104	95	85.649	ug/l #	33
74) N-amyl acetate	11.41	43	257	81.896	ug/l #	42
78) n-propylbenzene	11.57	91	64	4.158	ug/l #	54
79) 2-Chlorotoluene	11.57	91	64	7.272	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	86	7.858	ug/l #	24
82) 4-Chlorotoluene	11.90	91	143	15.886	ug/l #	41
83) tert-Butylbenzene	12.14	119	64	5.507	ug/l #	36
84) 1,2,4-Trimethylbenzene	12.21	105	76	7.084	ug/l #	26
85) sec-Butylbenzene	12.32	105	180	11.903	ug/l #	57
89) n-Butylbenzene	12.84	91	159	12.943	ug/l #	26
93) 1,2,4-Trichlorobenzene	14.19	180	67	16.193	ug/l #	11
95) Naphthalene	14.46	128	509	69.070	ug/l #	55
96) 1,2,3-Trichlorobenzene	14.60	180	173	45.285	ug/l #	10

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

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