

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062039.D
 Acq On : 20 Mar 2019 14:44
 Operator : VA/AP
 Sample : K1971-04RE
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-9(7-8)-031519RE

Quant Time: Mar 20 17:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	2990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	3327	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	74	50.00	ug/l	0.10

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	403	18.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.44%	
35) Dibromofluoromethane	4.09	113	839	37.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	75.10%	
50) Toluene-d8	7.54	98	3366	51.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.37	95	517	19.93	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.79	85	70	2.196	ug/l #	44
3) Chloromethane	1.10	50	269	8.305	ug/l #	46
5) Bromomethane	1.37	94	300	13.632	ug/l #	3
6) Chloroethane	1.25	64	108	6.678	ug/l #	40
8) Diethyl Ether	1.62	74	125	13.548	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.87	101	91	3.112	ug/l #	18
12) 1,1-Dichloroethene	1.79	96	67	2.655	ug/l #	1
13) Acrolein	2.01	56	276	194.125	ug/l #	11
14) Allyl chloride	2.12	41	322	9.996	ug/l #	34
15) Acrylonitrile	2.96	53	202	50.437	ug/l #	18
16) Acetone	2.12	43	702	145.248	ug/l	96
17) Carbon Disulfide	1.75	76	211	2.891	ug/l #	1
18) Methyl Acetate	2.44	43	1052	106.393	ug/l #	63
19) Methyl tert-butyl Ether	2.43	73	134	2.930	ug/l #	58
20) Methylene Chloride	2.17	84	237	9.525	ug/l #	40
21) trans-1,2-Dichloroethene	2.33	96	112	4.253	ug/l #	14
22) Diisopropyl ether	2.76	45	498	6.427	ug/l #	49
23) Vinyl Acetate	3.22	43	384	12.572	ug/l #	77
24) 1,1-Dichloroethane	2.91	63	70	1.554	ug/l #	86
25) 2-Butanone	4.30	43	1680	175.515	ug/l #	51
26) 2,2-Dichloropropane	3.42	77	141	6.635	ug/l #	54
27) cis-1,2-Dichloroethene	3.35	96	133	4.007	ug/l	1
29) Tetrahydrofuran	4.06	42	626	150.382	ug/l #	33
31) Cyclohexane	3.68	56	68	1.541	ug/l #	16
37) Ethyl Acetate	4.11	43	260	19.273	ug/l #	1
39) Methylcyclohexane	5.48	83	3397	96.310	ug/l #	38
40) Benzene	4.62	78	291	3.655	ug/l #	52
41) Methacrylonitrile	4.73	41	264	36.628	ug/l #	22
43) Isopropyl Acetate	6.93	43	533	33.394	ug/l #	38
45) 1,2-Dichloropropane	6.28	63	62	3.291	ug/l #	45
48) Methyl methacrylate	6.66	41	2121	205.611	ug/l	91
51) 4-Methyl-2-Pentanone	8.21	43	1279	112.845	ug/l #	36
52) Toluene	7.61	92	356	7.319	ug/l #	22
53) t-1,3-Dichloropropene	8.14	75	76	3.407	ug/l #	43

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55) 1,1,2-Trichloroethane	8.47	97	67	4.935	ug/l #	1
56) Ethyl methacrylate	8.61	69	3783	245.130	ug/l #	78
59) 2-Hexanone	9.51	43	1240	151.171	ug/l #	23
67) Ethyl Benzene	9.88	91	63	2.039	ug/l #	44
74) N-amyl acetate	11.37	43	2528	2158.051	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	11.68	83	1604	1900.803	ug/l #	22
76) 1,2,3-Trichloropropane	11.82	75	62	105.072	ug/l #	42
77) Bromobenzene	11.56	156	61	51.523	ug/l #	1
78) n-propylbenzene	11.60	91	61	10.377	ug/l #	1
79) 2-Chlorotoluene	11.74	91	143	43.097	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.88	75	60	229.848	ug/l #	24
82) 4-Chlorotoluene	11.93	91	151	45.001	ug/l #	39
85) sec-Butylbenzene	12.45	105	64	10.968	ug/l #	57
89) n-Butylbenzene	12.88	91	60	13.114	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.66	75	60	443.083	ug/l #	1

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

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