

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062300.D
 Acq On : 25 Apr 2019 18:59
 Operator : FY/SY
 Sample : K2571-01RE
 Misc : 6.17g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 144-PENNINGTONRE

Quant Time: Apr 26 01:11:14 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	5.27	168	96	50.00	ug/l	0.20
34) 1,4-Difluorobenzene	5.98	114	170	50.00	ug/l	0.19
63) Chlorobenzene-d5	10.32	117	60	50.00	ug/l	0.40
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.62

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.22	65	72	92.59	ug/l	0.18
Spiked Amount	50.000		Recovery	=	185.18%	
35) Dibromofluoromethane	4.72	113	83	65.85	ug/l	0.40
Spiked Amount	50.000		Recovery	=	131.70%	
50) Toluene-d8	8.00	98	60	19.49	ug/l	0.28
Spiked Amount	50.000		Recovery	=	38.98%	
62) 4-Bromofluorobenzene	11.90	95	271	213.55	ug/l	0.40
Spiked Amount	50.000		Recovery	=	427.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	69	60.482	ug/l #	40
3) Chloromethane	1.22	50	272	283.014	ug/l #	44
4) Vinyl Chloride	1.28	62	73	80.199	ug/l #	44
5) Bromomethane	1.48	94	206	333.257	ug/l #	74
6) Chloroethane	1.54	64	68	170.420	ug/l #	1
7) Trichlorofluoromethane	1.57	101	146	100.941	ug/l #	15
8) Diethyl Ether	1.54	74	62	236.611	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	2.06	101	71	78.220	ug/l #	10
11) Tert butyl alcohol	2.77	59	79	1679.467	ug/l #	1
12) 1,1-Dichloroethene	1.95	96	120	148.166	ug/l #	20
13) Acrolein	2.15	56	516	11322.563	ug/l #	10
14) Allvl chloride	2.26	41	203	230.309	ug/l #	56
15) Acrylonitrile	3.19	53	269	2064.747	ug/l #	49
16) Acetone	2.41	43	389	2234.293	ug/l #	56
17) Carbon Disulfide	2.04	76	166	77.879	ug/l #	69
18) Methyl Acetate	2.57	43	492	1613.299	ug/l #	59
19) Methyl tert-butyl Ether	2.66	73	203	131.475	ug/l #	57
20) Methylene Chloride	2.41	84	60	84.339	ug/l #	2
21) trans-1,2-Dichloroethene	2.51	96	85	106.198	ug/l #	1
22) Diisopropyl ether	3.03	45	151	63.637	ug/l #	43
23) Vinyl Acetate	3.51	43	418	397.255	ug/l #	78
24) 1,1-Dichloroethane	3.13	63	86	63.500	ug/l #	89
25) 2-Butanone	4.73	43	560	2028.527	ug/l #	57
26) 2,2-Dichloropropane	3.79	77	611	868.754	ug/l	87
27) cis-1,2-Dichloroethene	3.79	96	159	156.869	ug/l #	31
28) Bromochloromethane	4.01	49	92	161.201	ug/l #	2
29) Tetrahydrofuran	4.45	42	823	6784.790	ug/l #	43
30) Chloroform	4.16	83	128	75.267	ug/l #	18
31) Cyclohexane	4.06	56	168	130.365	ug/l #	7
32) 1,1,1-Trichloroethane	4.27	97	69	51.677	ug/l #	30
36) 1,1-Dichloropropene	4.67	75	76	48.457	ug/l #	41
37) Ethyl Acetate	4.44	43	231	350.094	ug/l #	3
38) Carbon Tetrachloride	4.35	117	82	51.429	ug/l #	12
39) Methylcyclohexane	5.84	83	86	46.972	ug/l #	15

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.99	78	104	27.446	ug/l #	51
41) Methacrylonitrile	5.11	41	586	1598.645	ug/l #	54
42) 1,2-Dichloroethane	5.34	62	67	55.812	ug/l #	1
43) Isopropyl Acetate	7.31	43	1525	2264.824	ug/l #	46
44) Trichloroethene	5.62	130	85	66.300	ug/l	3
45) 1,2-Dichloropropane	6.54	63	73	85.444	ug/l #	1
46) Dibromomethane	6.46	93	119	192.896	ug/l #	29
47) Bromodichloromethane	6.71	83	128	88.258	ug/l #	23
48) Methyl methacrylate	7.13	41	405	837.796	ug/l #	1
49) 1,4-Dioxane	7.34	88	71	12754.950	ug/l #	36
51) 4-Methyl-2-Pentanone	8.67	43	463	890.581	ug/l #	68
52) Toluene	8.09	92	79	36.130	ug/l	81
53) t-1,3-Dichloropropene	8.83	75	132	123.776	ug/l #	80
54) cis-1,3-Dichloropropene	7.71	75	60	43.917	ug/l #	27
55) 1,1,2-Trichloroethane	8.87	97	143	230.270	ug/l #	14
56) Ethyl methacrylate	9.06	69	95	139.248	ug/l #	1
57) 1,3-Dichloropropane	9.24	76	99	101.393	ug/l #	50
58) 2-Chloroethyl Vinyl ether	7.72	63	71	342.006	ug/l #	44
59) 2-Hexanone	9.91	43	1241	4130.896	ug/l #	28
60) Dibromochloromethane	9.24	129	69	68.459	ug/l #	11
66) 1,1,1,2-Tetrachloroethane	10.07	131	73	141.351	ug/l #	54
67) Ethyl Benzene	10.02	91	196	102.825	ug/l #	43
68) m/p-Xylenes	10.23	106	64	90.182	ug/l	79
69) o-Xylene	10.84	106	60	75.675	ug/l	63
70) Styrene	10.97	104	69	60.201	ug/l #	1

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

