

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061304.D
 Acq On : 9 Jan 2019 16:40
 Operator : VA/AP
 Sample : K1082-27
 Misc : 4.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

Quant Time: Jan 10 05:55:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	994	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	1758	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.80	65	60	5.42	ug/l	-0.05
Spiked Amount						
			Recovery	=		10.84%
35) Dibromofluoromethane	4.13	113	221	16.43	ug/l	0.02
Spiked Amount						
			Recovery	=		32.86%
50) Toluene-d8	7.58	98	1684	42.30	ug/l	0.02
Spiked Amount						
			Recovery	=		84.60%
62) 4-Bromofluorobenzene	11.42	95	291	16.74	ug/l	0.00
Spiked Amount						
			Recovery	=		33.48%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	106	6.488	ug/l #	18
4) Vinyl Chloride	1.24	62	73	5.002	ug/l #	1
5) Bromomethane	1.27	94	457	40.007	ug/l #	6
6) Chloroethane	1.31	64	239	33.539	ug/l #	30
8) Diethyl Ether	1.68	74	63	17.343	ug/l	94
11) Tert butyl alcohol	2.56	59	107	241.549	ug/l #	58
12) 1,1-Dichloroethene	1.79	96	95	9.095	ug/l #	1
13) Acrolein	1.88	56	111	228.619	ug/l	97
14) Allyl chloride	2.10	41	499	26.136	ug/l #	70
15) Acrylonitrile	2.96	53	223	142.008	ug/l #	12
16) Acetone	2.22	43	838	325.599	ug/l	96
17) Carbon Disulfide	1.72	76	60	1.739	ug/l #	74
18) Methyl Acetate	2.35	43	822	162.333	ug/l #	65
19) Methyl tert-butyl Ether	2.49	73	67	3.366	ug/l #	57
20) Methylene Chloride	2.28	84	66	6.062	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	66	5.963	ug/l #	1
22) Diisopropyl ether	2.85	45	637	17.245	ug/l #	48
23) Vinyl Acetate	3.16	43	873	80.817	ug/l #	77
24) 1,1-Dichloroethane	2.91	63	62	2.902	ug/l #	87
25) 2-Butanone	4.39	43	69	16.657	ug/l #	56
26) 2,2-Dichloropropane	3.70	77	72	5.043	ug/l #	60
27) cis-1,2-Dichloroethene	3.48	96	120	7.765	ug/l	1
28) Bromochloromethane	3.66	49	73	7.749	ug/l #	13
29) Tetrahydrofuran	4.09	42	452	260.976	ug/l #	49
31) Cyclohexane	3.68	56	63	2.811	ug/l #	14
32) 1,1,1-Trichloroethane	3.99	97	60	2.739	ug/l #	21
37) Ethyl Acetate	4.15	43	592	79.187	ug/l #	1
41) Methacrylonitrile	4.76	41	107	25.630	ug/l #	24
43) Isopropyl Acetate	6.95	43	139	14.083	ug/l #	45
45) 1,2-Dichloropropane	6.35	63	91	7.466	ug/l #	43
46) Dibromomethane	6.05	93	60	8.018	ug/l #	8
48) Methyl methacrylate	6.77	41	160	24.974	ug/l #	22
49) 1,4-Dioxane	6.75	88	60	1484.245	ug/l #	20
51) 4-Methyl-2-Pentanone	8.27	43	134	17.987	ug/l #	38

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53) t-1,3-Dichloropropene	8.27	75	77	5.268	ug/l #	44
55) 1,1,2-Trichloroethane	8.37	97	60	6.960	ug/l #	15
56) Ethyl methacrylate	8.66	69	59	6.124	ug/l #	1
59) 2-Hexanone	9.51	43	405	76.735	ug/l #	27
60) Dibromochloromethane	8.84	129	73	6.359	ug/l #	10
67) Ethyl Benzene	9.88	91	69	1.926	ug/l #	48

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

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