

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060450.D
 Acq On : 4 Oct 2018 21:50
 Operator : VA/AP
 Sample : J5199-01
 Misc : 7.37/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-100318

Quant Time: Oct 05 01:13:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	574	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.84	117	61	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.62

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	66	9.41	ug/l	0.04
Spiked Amount	50.000		Recovery	=	18.82%	
35) Dibromofluoromethane	4.28	113	63	11.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	23.36%	
50) Toluene-d8	7.68	98	159	11.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.94%	
62) 4-Bromofluorobenzene	11.45	95	172	28.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	56.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	101	5.447	ug/l #	43
3) Chloromethane	1.09	50	161	26.465	ug/l	89
4) Vinyl Chloride	1.16	62	137	21.649	ug/l #	1
5) Bromomethane	1.43	94	95	19.381	ug/l	87
6) Chloroethane	1.35	64	79	25.016	ug/l #	42
7) Trichlorofluoromethane	1.37	101	75	5.108	ug/l #	77
8) Diethyl Ether	1.72	74	115	57.152	ug/l	45
9) 1,1,2-Trichlorotrifluoroet	1.92	101	65	9.242	ug/l #	22
11) Tert butyl alcohol	2.68	59	186	438.653	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	182	33.492	ug/l #	1
13) Acrolein	2.09	56	99	290.318	ug/l #	16
14) Allyl chloride	2.20	41	82	9.417	ug/l #	65
15) Acrylonitrile	3.04	53	63	86.709	ug/l #	3
16) Acetone	2.32	43	130	73.276	ug/l #	66
17) Carbon Disulfide	1.92	76	60	3.646	ug/l #	68
18) Methyl Acetate	2.42	43	219	84.344	ug/l #	57
19) Methyl tert-butyl Ether	2.50	73	112	8.462	ug/l #	23
20) Methylene Chloride	2.38	84	79	11.109	ug/l #	1
21) trans-1,2-Dichloroethene	2.40	96	138	25.427	ug/l #	1
22) Diisopropyl ether	2.91	45	253	16.008	ug/l #	1
23) Vinyl Acetate	3.34	43	488	77.728	ug/l #	81
24) 1,1-Dichloroethane	2.99	63	173	16.186	ug/l #	90
25) 2-Butanone	4.46	43	98	53.990	ug/l #	1
26) 2,2-Dichloropropane	3.70	77	72	11.894	ug/l #	61
27) cis-1,2-Dichloroethene	3.70	96	70	11.536	ug/l	1
28) Bromochloromethane	3.87	49	64	16.247	ug/l #	10
29) Tetrahydrofuran	4.57	42	218	320.104	ug/l	97
30) Chloroform	4.12	83	164	12.435	ug/l	91
31) Cyclohexane	3.84	56	251	32.705	ug/l #	17
32) 1,1,1-Trichloroethane	4.24	97	70	6.378	ug/l #	23
36) 1,1-Dichloropropene	4.45	75	62	8.761	ug/l #	45
37) Ethyl Acetate	4.27	43	769	283.758	ug/l #	1
38) Carbon Tetrachloride	4.16	117	59	6.849	ug/l #	13
39) Methylcyclohexane	5.53	83	104	14.990	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.73	78	63	4.484	ug/l #	1
41) Methacrylonitrile	4.89	41	609	423.821	ug/l #	74
42) 1,2-Dichloroethane	5.01	62	84	12.533	ug/l	83
43) Isopropyl Acetate	7.10	43	160	48.854	ug/l #	44
45) 1,2-Dichloropropane	6.38	63	84	22.451	ug/l #	46
46) Dibromomethane	6.30	93	61	20.278	ug/l #	9
47) Bromodichloromethane	6.46	83	162	21.745	ug/l #	23
48) Methyl methacrylate	6.86	41	760	323.276	ug/l #	49
49) 1,4-Dioxane	6.91	88	75	3700.009	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	83	35.602	ug/l #	39
52) Toluene	7.77	92	61	6.392	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	79	13.531	ug/l #	1
54) cis-1,3-Dichloropropene	7.46	75	161	23.594	ug/l #	73
55) 1,1,2-Trichloroethane	8.51	97	67	22.151	ug/l #	18
56) Ethyl methacrylate	8.73	69	218	63.427	ug/l #	53
57) 1,3-Dichloropropane	8.92	76	73	14.266	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.73	63	64	182.296	ug/l	100
59) 2-Hexanone	9.51	43	331	193.569	ug/l	90
61) 1,2-Dibromoethane	9.09	107	76	22.963	ug/l #	4
64) Tetrachloroethene	8.33	164	82	169.102	ug/l #	1
65) Chlorobenzene	9.93	112	90	71.824	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.01	131	73	133.424	ug/l #	9
67) Ethyl Benzene	10.06	91	108	45.330	ug/l #	47
69) o-Xylene	10.94	106	60	67.207	ug/l #	1

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

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