

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060554.D
 Acq On : 30 Oct 2018 19:40
 Operator : VA/AP
 Sample : J5696-04
 Misc : 4.91/5mL/MSVOA_F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-02

Quant Time: Oct 31 04:55:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	1315	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.13	114	179	50.00	ug/l	0.36
63) Chlorobenzene-d5	10.42	117	96	50.00	ug/l	0.48
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.11	65	70	3.45	ug/l	0.07
Spiked Amount	50.000		Recovery	=	6.90%	
35) Dibromofluoromethane	4.43	113	82	47.74	ug/l	0.13
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	8.22	98	60	14.30	ug/l	0.49
Spiked Amount	50.000		Recovery	=	28.60%	
62) 4-Bromofluorobenzene	12.05	95	61	31.56	ug/l	0.53
Spiked Amount	50.000		Recovery	=	63.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.83	85	72	Below Cal	#	41
3) Chloromethane	1.11	50	116	6.07	ug/l #	46
4) Vinyl Chloride	1.19	62	76	4.82	ug/l #	43
5) Bromomethane	1.42	94	78	6.30	ug/l #	4
6) Chloroethane	1.35	64	235	28.63	ug/l #	41
7) Trichlorofluoromethane	1.47	101	159	4.19	ug/l #	18
8) Diethyl Ether	1.81	74	129	27.08	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.84	101	92	4.48	ug/l #	22
10) Methyl Iodide	1.87	142	73	2.54	ug/l #	1
11) Tert butyl alcohol	2.70	59	110	137.06	ug/l #	71
12) 1,1-Dichloroethene	1.81	96	85	5.75	ug/l #	11
13) Acrolein	2.04	56	64	85.00	ug/l #	12
14) Allyl chloride	2.19	41	200	8.51	ug/l #	55
15) Acrylonitrile	3.06	53	87	42.89	ug/l #	13
16) Acetone	2.35	43	63	6.79	ug/l #	62
17) Carbon Disulfide	1.86	76	83	2.00	ug/l #	73
18) Methyl Acetate	2.43	43	145	24.87	ug/l #	61
19) Methyl tert-butyl Ether	2.62	73	105	3.17	ug/l #	12
20) Methylene Chloride	2.31	84	260	18.82	ug/l #	1
21) trans-1,2-Dichloroethene	2.33	96	102	6.75	ug/l #	1
22) Diisopropyl ether	2.92	45	334	7.83	ug/l #	40
23) Vinyl Acetate	3.35	43	176	11.12	ug/l #	78
24) 1,1-Dichloroethane	2.99	63	136	4.42	ug/l #	90
25) 2-Butanone	4.47	43	69	Below Cal	#	54
26) 2,2-Dichloropropane	3.78	77	128	6.69	ug/l #	61
27) cis-1,2-Dichloroethene	3.65	96	72	3.95	ug/l	1
28) Bromochloromethane	3.90	49	67	6.04	ug/l #	10
29) Tetrahydrofuran	4.28	42	84	37.86	ug/l #	11
30) Chloroform	3.95	83	84	2.16	ug/l #	15
31) Cyclohexane	3.87	56	71	3.23	ug/l #	14
32) 1,1,1-Trichloroethane	4.29	97	66	2.05	ug/l #	13
36) 1,1-Dichloropropene	4.70	75	69	30.94	ug/l #	44
37) Ethyl Acetate	4.58	43	161	222.99	ug/l #	1
38) Carbon Tetrachloride	4.32	117	60	22.47	ug/l #	12

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39) Methylcyclohexane	5.82	83	73	32.41	ug/l #	15
40) Benzene	5.06	78	172	38.88	ug/l #	52
41) Methacrylonitrile	5.21	41	411	995.84	ug/l #	28
42) 1,2-Dichloroethane	5.44	62	89	43.33	ug/l	78
43) Isopropyl Acetate	7.56	43	132	151.04	ug/l #	43
44) Trichloroethene	6.19	130	92	64.34	ug/l	1
45) 1,2-Dichloropropane	6.82	63	63	57.07	ug/l #	42
46) Dibromomethane	6.76	93	73	84.22	ug/l #	9
47) Bromodichloromethane	6.89	83	90	40.46	ug/l #	24
48) Methyl methacrylate	7.32	41	151	250.50	ug/l #	42
49) 1,4-Dioxane	7.04	88	76	13553.13	ug/l #	12
51) 4-Methyl-2-Pentanone	8.91	43	148	233.79	ug/l #	35
52) Toluene	8.27	92	69	24.03	ug/l #	1
53) t-1,3-Dichloropropene	9.01	75	80	46.04	ug/l #	44
54) cis-1,3-Dichloropropene	8.01	75	59	28.65	ug/l #	26
55) 1,1,2-Trichloroethane	9.14	97	106	123.20	ug/l #	15
56) Ethyl methacrylate	9.40	69	82	84.94	ug/l #	22
57) 1,3-Dichloropropane	9.61	76	89	61.12	ug/l #	41
58) 2-Chloroethyl Vinyl ether	8.28	63	64	643.20	ug/l	100
59) 2-Hexanone	10.25	43	118	253.44	ug/l #	29
61) 1,2-Dibromoethane	9.84	107	62	62.24	ug/l #	4
64) Tetrachloroethene	8.32	164	72	88.72	ug/l #	1
65) Chlorobenzene	9.94	112	73	37.80	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.14	131	77	87.49	ug/l #	10
70) Styrene	10.81	104	66	32.98	ug/l #	27
71) Bromoform	10.93	173	69	152.00	ug/l #	34

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

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