

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060552.D
 Acq On : 30 Oct 2018 18:43
 Operator : VA/AP
 Sample : J5696-02MS
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

Quant Time: Oct 31 05:55:23 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	1991	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	2222	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	804	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.75	152	64	50.00	ug/l	0.11

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	535	17.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	34.84%	
35) Dibromofluoromethane	4.27	113	1010	47.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	7.69	98	2481	47.65	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.38	95	93	3.88	ug/l	-0.14
Spiked Amount	50.000		Recovery	=	7.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	3011	92.87	ug/l	90
3) Chloromethane	1.09	50	2147	107.30	ug/l #	86
4) Vinyl Chloride	1.14	62	1447	60.62	ug/l #	74
5) Bromomethane	1.34	94	727	38.75	ug/l	90
6) Chloroethane	1.41	64	952	76.60	ug/l	97
7) Trichlorofluoromethane	1.49	101	5334	92.75	ug/l	84
8) Diethyl Ether	1.67	74	60	8.32	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.88	101	2782	110.83	ug/l #	69
10) Methyl Iodide	1.93	142	2051	47.15	ug/l #	84
11) Tert butyl alcohol	2.77	59	93	67.02	ug/l #	71
12) 1,1-Dichloroethene	1.83	96	1631	72.89	ug/l #	66
13) Acrolein	2.04	56	79	68.77	ug/l #	12
14) Allyl chloride	2.19	41	1772	49.81	ug/l #	57
15) Acrylonitrile	3.23	53	72	23.45	ug/l #	13
16) Acetone	2.38	43	67	1.79	ug/l #	62
17) Carbon Disulfide	1.85	76	4236	67.36	ug/l #	63
18) Methyl Acetate	2.43	43	115	14.43	ug/l #	61
19) Methyl tert-butyl Ether	2.54	73	96	1.91	ug/l #	59
20) Methylene Chloride	2.27	84	578	28.10	ug/l #	56
21) trans-1,2-Dichloroethene	2.41	96	1157	50.56	ug/l #	75
22) Diisopropyl ether	2.94	45	81	1.25	ug/l #	31
23) Vinyl Acetate	3.33	43	72	3.00	ug/l #	78
24) 1,1-Dichloroethane	3.00	63	2432	52.15	ug/l #	86
25) 2-Butanone	4.49	43	85	Below	Cal #	1
26) 2,2-Dichloropropane	3.77	77	2100	72.46	ug/l #	61
27) cis-1,2-Dichloroethene	3.64	96	499	18.08	ug/l	40
28) Bromochloromethane	3.91	49	67	3.99	ug/l #	8
29) Tetrahydrofuran	4.29	42	221	76.54	ug/l #	34
30) Chloroform	4.04	83	2269	38.53	ug/l #	71
31) Cyclohexane	3.88	56	2053	61.66	ug/l #	72
32) 1,1,1-Trichloroethane	4.27	97	3640	74.76	ug/l #	60
36) 1,1-Dichloropropene	4.45	75	2276	82.21	ug/l	95
37) Ethyl Acetate	4.29	43	80	8.93	ug/l #	1
38) Carbon Tetrachloride	4.16	117	3908	117.90	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	1274	45.57	ug/l #	66
40) Benzene	4.81	78	2555	46.53	ug/l	95
41) Methacrylonitrile	4.93	41	456	89.01	ug/l #	24
42) 1,2-Dichloroethane	5.11	62	478	18.75	ug/l	78
43) Isopropyl Acetate	7.11	43	208	19.17	ug/l #	43
44) Trichloroethene	5.66	130	1077	60.68	ug/l	76
45) 1,2-Dichloropropane	6.42	63	79	5.77	ug/l #	42
46) Dibromomethane	6.23	93	168	15.61	ug/l #	9
47) Bromodichloromethane	6.55	83	257	9.31	ug/l #	55
48) Methyl methacrylate	6.87	41	155	20.71	ug/l #	40
49) 1,4-Dioxane	6.65	88	86	1235.47	ug/l #	12
51) 4-Methyl-2-Pentanone	8.37	43	299	38.05	ug/l #	35
52) Toluene	7.78	92	1222	34.28	ug/l	84
53) t-1,3-Dichloropropene	8.42	75	72	3.34	ug/l #	44
54) cis-1,3-Dichloropropene	7.46	75	183	7.16	ug/l #	7
55) 1,1,2-Trichloroethane	8.64	97	230	21.53	ug/l #	15
56) Ethyl methacrylate	8.77	69	115	9.60	ug/l #	22
57) 1,3-Dichloropropane	8.99	76	273	15.10	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.76	63	143	115.77	ug/l	100
59) 2-Hexanone	9.56	43	111	20.58	ug/l	92
60) Dibromochloromethane	8.86	129	239	13.89	ug/l #	10
64) Tetrachloroethene	8.31	164	979	144.05	ug/l #	53
65) Chlorobenzene	9.93	112	296	18.30	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.07	131	781	105.96	ug/l #	33
67) Ethyl Benzene	10.04	91	845	27.34	ug/l #	47
69) o-Xylene	10.81	106	63	5.30	ug/l #	1
70) Styrene	10.75	104	138	8.23	ug/l #	27
71) Bromoform	10.88	173	86	22.62	ug/l #	34
73) Isopropylbenzene	11.22	105	178	36.38	ug/l #	1
74) N-amyl acetate	11.50	43	233	237.82	ug/l #	43
76) 1,2,3-Trichloropropane	11.91	75	96	156.32	ug/l #	41
77) Bromobenzene	11.46	156	63	58.53	ug/l #	1
78) n-propylbenzene	11.70	91	67	11.55	ug/l #	55
79) 2-Chlorotoluene	11.75	91	67	19.29	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.96	105	65	15.38	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.91	75	96	357.89	ug/l #	15
82) 4-Chlorotoluene	11.99	91	135	37.49	ug/l #	44
83) tert-Butylbenzene	12.21	119	227	55.41	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.20	105	146	34.00	ug/l #	32
85) sec-Butylbenzene	12.45	105	60	10.45	ug/l #	58
87) 1,3-Dichlorobenzene	12.70	146	63	29.32	ug/l #	23
88) 1,4-Dichlorobenzene	12.70	146	63	31.07	ug/l #	22
89) n-Butylbenzene	12.87	91	64	9.27	ug/l #	28
90) Hexachloroethane	13.00	117	421	346.17	ug/l #	23
91) 1,2-Dichlorobenzene	13.05	146	66	32.60	ug/l #	23
93) 1,2,4-Trichlorobenzene	14.33	180	112	73.87	ug/l #	12
96) 1,2,3-Trichlorobenzene	14.52	180	69	47.81	ug/l #	11

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

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