

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060551.D
 Acq On : 30 Oct 2018 18:14
 Operator : VA/AP
 Sample : J5696-01
 Misc : 4.93/5mL/MSVOA_F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01

Quant Time: Oct 31 04:53:18 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	5.12	168	77	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	5.47	114	63	50.00	ug/l	-0.30
63) Chlorobenzene-d5	9.51	117	62	50.00	ug/l	-0.43
72) 1,4-Dichlorobenzene-d4	12.58	152	83	50.00	ug/l	-0.05

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.16	65	60	50.52	ug/l	0.12
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	4.19	113	73	120.75	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	241.50%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.94	85	63	47.96	ug/l #	41
3) Chloromethane	1.21	50	150	196.22	ug/l #	1
5) Bromomethane	1.49	94	75	103.37	ug/l	90
6) Chloroethane	1.46	64	67	139.39	ug/l #	41
7) Trichlorofluoromethane	1.58	101	149	66.99	ug/l #	18
8) Diethyl Ether	1.60	74	79	283.20	ug/l	80
10) Methyl Iodide	1.99	142	66	39.23	ug/l #	20
11) Tert butyl alcohol	2.81	59	63	993.37	ug/l #	71
12) 1,1-Dichloroethene	1.91	96	98	113.25	ug/l #	1
13) Acrolein	2.26	56	88	2059.62	ug/l	99
14) Allyl chloride	2.26	41	341	247.83	ug/l #	79
15) Acrylonitrile	3.13	53	100	842.02	ug/l #	1
16) Acetone	2.38	43	224	1009.86	ug/l #	62
17) Carbon Disulfide	1.89	76	81	33.31	ug/l #	73
18) Methyl Acetate	2.44	43	141	366.99	ug/l #	61
19) Methyl tert-butyl Ether	2.61	73	105	54.16	ug/l #	59
20) Methylene Chloride	2.32	84	74	95.35	ug/l #	1
21) trans-1,2-Dichloroethene	2.47	96	111	125.42	ug/l #	1
22) Diisopropyl ether	2.88	45	65	26.01	ug/l #	1
23) Vinyl Acetate	3.35	43	305	328.99	ug/l #	78
24) 1,1-Dichloroethane	3.10	63	77	42.70	ug/l #	90
25) 2-Butanone	4.58	43	81	296.39	ug/l #	54
26) 2,2-Dichloropropane	3.78	77	329	293.55	ug/l #	61
27) cis-1,2-Dichloroethene	3.72	96	70	65.59	ug/l	1
28) Bromochloromethane	3.87	49	184	283.24	ug/l #	10
29) Tetrahydrofuran	4.31	42	62	646.52	ug/l #	1
30) Chloroform	4.10	83	84	36.88	ug/l #	15
31) Cyclohexane	3.94	56	106	82.32	ug/l #	14
32) 1,1,1-Trichloroethane	4.36	97	189	100.37	ug/l #	23
36) 1,1-Dichloropropene	4.31	75	93	118.48	ug/l #	44
37) Ethyl Acetate	4.09	43	175	688.66	ug/l #	1
39) Methylcyclohexane	5.32	83	62	78.22	ug/l #	15
40) Benzene	4.59	78	60	38.54	ug/l #	52
41) Methacrylonitrile	4.75	41	141	970.69	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	4.76	62	70	96.83	ug/l #	1
43) Isopropyl Acetate	6.90	43	91	295.85	ug/l #	43
44) Trichloroethene	5.28	130	118	234.47	ug/l	1
45) 1,2-Dichloropropane	6.17	63	65	167.31	ug/l #	42
46) Dibromomethane	5.84	93	62	203.23	ug/l #	9
47) Bromodichloromethane	6.24	83	70	89.42	ug/l #	24
48) Methyl methacrylate	6.53	41	66	311.09	ug/l #	14
49) 1,4-Dioxane	6.47	88	147	74482.75	ug/l #	27
51) 4-Methyl-2-Pentanone	7.94	43	255	1144.51	ug/l	92
52) Toluene	7.49	92	83	82.12	ug/l #	1
53) t-1,3-Dichloropropene	7.99	75	80	130.82	ug/l #	44
54) cis-1,3-Dichloropropene	7.10	75	111	153.16	ug/l #	26
55) 1,1,2-Trichloroethane	8.21	97	192	634.03	ug/l #	15
56) Ethyl methacrylate	8.30	69	61	179.52	ug/l #	1
57) 1,3-Dichloropropane	8.60	76	59	115.13	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.37	63	63	1798.95	ug/l	100
59) 2-Hexanone	9.14	43	384	Below	Cal #	29
60) Dibromochloromethane	8.27	129	99	202.94	ug/l #	10
61) 1,2-Dibromoethane	8.64	107	137	390.74	ug/l #	4
64) Tetrachloroethene	8.29	164	73	139.29	ug/l #	1
65) Chlorobenzene	9.96	112	69	55.31	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.21	131	73	128.43	ug/l #	64
67) Ethyl Benzene	10.13	91	96	40.28	ug/l #	47
68) m/p-Xylenes	10.31	106	95	116.71	ug/l #	1
69) o-Xylene	10.86	106	65	70.91	ug/l #	1
70) Styrene	10.76	104	66	51.07	ug/l #	27
71) Bromoform	10.84	173	66	225.12	ug/l #	34
73) Isopropylbenzene	11.26	105	101	15.92	ug/l #	51
74) N-amy1 acetate	11.46	43	166	130.65	ug/l #	7
75) 1,1,2,2-Tetrachloroethane	11.84	83	64	60.45	ug/l #	25
76) 1,2,3-Trichloropropane	11.86	75	64	80.36	ug/l #	41
77) Bromobenzene	11.68	156	70	50.14	ug/l #	1
78) n-propylbenzene	11.73	91	63	8.37	ug/l #	55
79) 2-Chlorotoluene	11.82	91	64	14.21	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.85	105	67	12.22	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.96	75	60	172.48	ug/l #	15
82) 4-Chlorotoluene	11.82	91	64	13.70	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.28	105	62	11.13	ug/l #	32
85) sec-Butylbenzene	12.28	105	62	8.33	ug/l #	58
86) p-Isopropyltoluene	12.53	119	85	13.91	ug/l #	48
89) n-Butylbenzene	12.95	91	76	7.84	ug/l #	28
90) Hexachloroethane	12.94	117	73	46.28	ug/l #	23
91) 1,2-Dichlorobenzene	13.15	146	60	22.86	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.82	75	95	432.76	ug/l #	6
94) Hexachlorobutadiene	14.34	225	63	45.25	ug/l #	21
95) Naphthalene	14.53	128	125	35.94	ug/l #	69

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

