

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059772.D
 Acq On : 1 Aug 2018 22:56
 Operator : VA/AP
 Sample : J4257-04
 Misc : 11.30g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-B

Quant Time: Aug 02 05:33:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	691	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.60	114	71	50.00	ug/l	-0.16
63) Chlorobenzene-d5	9.72	117	99	50.00	ug/l	-0.19
72) 1,4-Dichlorobenzene-d4	12.63	152	326	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	137	11.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	22.06%	
35) Dibromofluoromethane	4.29	113	79	107.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.26%	
50) Toluene-d8	7.43	98	60	34.89	ug/l	-0.27
Spiked Amount	50.000		Recovery	=	69.78%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
3) Chloromethane	0.92	50	67	13.06	ug/l #	1
4) Vinyl Chloride	1.18	62	61	11.41	ug/l #	47
6) Chloroethane	1.40	64	69	24.24	ug/l #	35
7) Trichlorofluoromethane	1.66	101	62	4.80	ug/l #	18
8) Diethyl Ether	1.68	74	84	38.07	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.77	101	59	8.73	ug/l #	22
10) Methyl Iodide	1.90	142	60	2.74	ug/l #	20
11) Tert butyl alcohol	2.71	59	99	197.41	ug/l #	74
12) 1,1-Dichloroethene	1.92	96	155	28.97	ug/l #	1
13) Acrolein	2.13	56	80	301.49	ug/l #	4
14) Allyl chloride	2.19	41	79	9.25	ug/l #	1
16) Acetone	2.35	43	69	30.89	ug/l #	68
17) Carbon Disulfide	1.76	76	77	1.70	ug/l #	71
18) Methyl Acetate	2.46	43	72	17.54	ug/l #	64
19) Methyl tert-butyl Ether	2.47	73	77	4.72	ug/l #	60
20) Methylene Chloride	2.32	84	77	10.15	ug/l #	1
21) trans-1,2-Dichloroethene	2.47	96	143	29.48	ug/l #	1
22) Diisopropyl ether	2.89	45	84	4.65	ug/l #	33
23) Vinyl Acetate	3.34	43	183	19.70	ug/l #	83
25) 2-Butanone	4.55	43	153	61.38	ug/l #	74
26) 2,2-Dichloropropane	3.78	77	143	15.98	ug/l #	66
27) cis-1,2-Dichloroethene	3.60	96	61	9.07	ug/l #	1
28) Bromochloromethane	3.88	49	72	13.09	ug/l #	15
29) Tetrahydrofuran	4.25	42	144	150.29	ug/l #	39
31) Cyclohexane	3.79	56	63	6.79	ug/l #	15
37) Ethyl Acetate	4.19	43	80	243.75	ug/l #	19
40) Benzene	4.75	78	85	59.28	ug/l #	52
41) Methacrylonitrile	4.74	41	227	1342.66	ug/l #	24
42) 1,2-Dichloroethane	5.01	62	65	64.78	ug/l	85
43) Isopropyl Acetate	6.91	43	96	226.12	ug/l #	46
45) 1,2-Dichloropropane	6.21	63	93	245.61	ug/l #	43
46) Dibromomethane	6.02	93	85	236.44	ug/l #	8
47) Bromodichloromethane	6.22	83	89	90.91	ug/l #	25
48) Methyl methacrylate	6.70	41	247	773.49	ug/l #	13

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) 1,4-Dioxane	6.81	88	70	12837.78	ug/l #	21
51) 4-Methyl-2-Pentanone	8.19	43	151	467.56	ug/l #	42
56) Ethyl methacrylate	8.39	69	208	513.61	ug/l #	53
57) 1,3-Dichloropropane	8.73	76	80	120.09	ug/l #	41
59) 2-Hexanone	9.38	43	163	629.83	ug/l #	30
60) Dibromochloromethane	8.57	129	71	103.62	ug/l #	12
64) Tetrachloroethene	8.38	164	64	100.20	ug/l #	1
65) Chlorobenzene	9.99	112	69	34.84	ug/l #	43
67) Ethyl Benzene	9.88	91	70	20.43	ug/l #	46
68) m/p-Xylenes	10.26	106	60	52.29	ug/l #	1
69) o-Xylene	10.86	106	65	51.48	ug/l #	1
74) N-amyl acetate	11.45	43	215	39.84	ug/l #	48
76) 1,2,3-Trichloropropane	11.99	75	82	23.95	ug/l #	39
77) Bromobenzene	11.60	156	61	10.92	ug/l #	1
78) n-propylbenzene	11.65	91	69	Below	Cal #	54
81) trans-1,4-Dichloro-2-buten	11.99	75	82	57.83	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.23	105	66	Below	Cal #	33
85) sec-Butylbenzene	12.23	105	66	Below	Cal #	57
86) p-Isopropyltoluene	12.55	119	69	Below	Cal #	49
89) n-Butylbenzene	12.78	91	70	Below	Cal #	29
90) Hexachloroethane	12.88	117	88	16.31	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.70	75	248	251.95	ug/l #	9
95) Naphthalene	14.54	128	429	30.52	ug/l #	70

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

