

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059717.D
 Acq On : 31 Jul 2018 18:53
 Operator : VA/AP
 Sample : J4140-03
 Misc : 16.60g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

Quant Time: Jul 31 19:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	6155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	6182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	2403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	2330	21.06	ug/l	0.00
Spiked Amount			Recovery	=	42.12%	
35) Dibromofluoromethane	4.29	113	2463	38.36	ug/l	0.00
Spiked Amount			Recovery	=	76.72%	
50) Toluene-d8	7.71	98	5635	37.63	ug/l	0.00
Spiked Amount			Recovery	=	75.26%	
62) 4-Bromofluorobenzene	11.50	95	497	6.00	ug/l	0.00
Spiked Amount			Recovery	=	12.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	253	2.392	ug/l #	38
4) Vinyl Chloride	1.26	62	70	Below Cal	#	47
5) Bromomethane	1.28	94	86	Below Cal	#	4
6) Chloroethane	1.39	64	189	4.169	ug/l #	35
8) Diethyl Ether	1.62	74	69	3.511	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.88	101	64	1.063	ug/l #	22
12) 1,1-Dichloroethene	1.85	96	82	1.720	ug/l #	1
13) Acrolein	1.92	56	103	57.320	ug/l #	4
15) Acrylonitrile	3.07	53	63	8.875	ug/l #	7
16) Acetone	2.31	43	182	9.147	ug/l #	68
17) Carbon Disulfide	2.04	76	88	Below Cal	#	71
18) Methyl Acetate	2.48	43	125	Below Cal	#	64
21) trans-1,2-Dichloroethene	2.32	96	63	Below Cal	#	1
23) Vinyl Acetate	3.31	43	202	2.441	ug/l #	83
25) 2-Butanone	4.57	43	214	9.638	ug/l #	74
26) 2,2-Dichloropropane	3.60	77	88	1.104	ug/l #	66
28) Bromochloromethane	3.76	49	96	Below Cal	#	15
29) Tetrahydrofuran	4.33	42	94	11.014	ug/l #	39
31) Cyclohexane	3.88	56	85	Below Cal	#	15
37) Ethyl Acetate	4.26	43	295	5.430	ug/l #	19
39) Methylcyclohexane	5.53	83	70	Below Cal	#	13
41) Methacrylonitrile	4.85	41	150	7.237	ug/l #	24
43) Isopropyl Acetate	7.09	43	99	2.678	ug/l #	46
48) Methyl methacrylate	6.78	41	181	6.510	ug/l #	13
51) 4-Methyl-2-Pentanone	8.40	43	117	4.161	ug/l #	42
52) Toluene	7.66	92	61	Below Cal	#	1
56) Ethyl methacrylate	8.70	69	76	2.155	ug/l #	14
57) 1,3-Dichloropropane	9.05	76	80	1.379	ug/l #	41
59) 2-Hexanone	9.63	43	134	5.947	ug/l #	30
67) Ethyl Benzene	10.03	91	205	2.465	ug/l #	46
70) Styrene	11.02	104	61	1.314	ug/l #	26
73) Isopropylbenzene	11.32	105	74	5.639	ug/l #	50
74) N-amyl acetate	11.44	43	64	19.331	ug/l #	48
76) 1,2,3-Trichloropropane	11.82	75	132	62.841	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.58	91	99	2.611	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.89	105	92	4.493	ug/l #	31
81) trans-1,4-Dichloro-2-buten	12.00	75	89	102.309	ug/l #	9
82) 4-Chlorotoluene	12.05	91	68	3.812	ug/l #	44
83) tert-Butylbenzene	12.21	119	66	5.603	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.39	105	61	1.370	ug/l #	33
85) sec-Butylbenzene	12.39	105	61	Below Cal	#	57
89) n-Butylbenzene	12.82	91	74	1.048	ug/l #	29
94) Hexachlorobutadiene	14.08	225	63	19.205	ug/l #	19

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

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