

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059802.D
 Acq On : 2 Aug 2018 15:58
 Operator : VA/AP
 Sample : J4231-21
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-7

Quant Time: Aug 02 16:44:01 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	5.02	168	1200	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	429	19.89	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	39.78%	
35) Dibromofluoromethane	4.28	113	383	37.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.12%	
50) Toluene-d8	7.71	98	769	31.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.82%	
62) 4-Bromofluorobenzene	11.55	95	60	4.50	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	9.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	60	Below Cal	#	44
3) Chloromethane	1.08	50	101	10.62	ug/l #	38
4) Vinyl Chloride	1.17	62	60	4.75	ug/l #	47
5) Bromomethane	1.28	94	69	7.75	ug/l #	4
6) Chloroethane	1.41	64	77	13.88	ug/l #	35
8) Diethyl Ether	1.74	74	76	19.83	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80	6.82	ug/l #	22
11) Tert butyl alcohol	2.81	59	83	94.54	ug/l #	74
12) 1,1-Dichloroethene	1.94	96	63	6.78	ug/l #	1
13) Acrolein	2.06	56	65	149.60	ug/l #	4
14) Allyl chloride	2.25	41	80	5.39	ug/l #	1
15) Acrylonitrile	3.17	53	59	42.39	ug/l #	65
16) Acetone	2.41	43	69	17.79	ug/l #	68
17) Carbon Disulfide	1.94	76	75	Below Cal	#	71
18) Methyl Acetate	2.41	43	69	7.21	ug/l #	64
19) Methyl tert-butyl Ether	2.45	73	59	2.08	ug/l #	60
21) trans-1,2-Dichloroethene	2.31	96	62	5.35	ug/l #	1
22) Diisopropyl ether	2.93	45	87	2.77	ug/l #	33
23) Vinyl Acetate	3.30	43	77	4.77	ug/l #	83
24) 1,1-Dichloroethane	2.93	63	72	3.30	ug/l #	91
25) 2-Butanone	4.52	43	87	20.10	ug/l #	74
26) 2,2-Dichloropropane	3.67	77	76	4.89	ug/l #	66
27) cis-1,2-Dichloroethene	3.51	96	73	6.25	ug/l	1
29) Tetrahydrofuran	4.19	42	153	91.95	ug/l #	39
36) 1,1-Dichloropropene	4.29	75	86	4.98	ug/l #	46
37) Ethyl Acetate	4.30	43	119	21.30	ug/l #	19
39) Methylcyclohexane	5.57	83	111	11.07	ug/l #	13
40) Benzene	4.85	78	86	4.28	ug/l #	52
41) Methacrylonitrile	4.91	41	67	25.37	ug/l #	24
42) 1,2-Dichloroethane	5.14	62	65	4.62	ug/l	85
43) Isopropyl Acetate	7.13	43	254	42.69	ug/l #	46
45) 1,2-Dichloropropane	6.35	63	88	16.58	ug/l #	43
47) Bromodichloromethane	6.46	83	173	12.61	ug/l #	25
48) Methyl methacrylate	6.87	41	422	94.30	ug/l #	13

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

49) 1,4-Dioxane	6.85	88	60	1918.82	ug/l #	21
51) 4-Methyl-2-Pentanone	8.43	43	65	14.36	ug/l #	42
53) t-1,3-Dichloropropene	8.44	75	76	6.38	ug/l #	41
56) Ethyl methacrylate	8.71	69	95	16.74	ug/l #	54
57) 1,3-Dichloropropane	9.03	76	62	6.64	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.73	63	93	141.93	ug/l	100
59) 2-Hexanone	9.57	43	321	88.51	ug/l #	30
61) 1,2-Dibromoethane	9.17	107	69	10.86	ug/l #	4
66) 1,1,1,2-Tetrachloroethane	10.12	131	69	9.02	ug/l #	9
67) Ethyl Benzene	10.18	91	72	2.54	ug/l #	46
68) m/p-Xylenes	10.15	106	65	Below Cal	#	1
69) o-Xylene	10.94	106	62	5.94	ug/l #	1
70) Styrene	10.82	104	62	3.92	ug/l #	26
73) Isopropylbenzene	11.19	105	76	2.63	ug/l #	50
74) N-amyl acetate	11.47	43	76	10.41	ug/l #	48
75) 1,1,1,2-Tetrachloroethane	11.77	83	74	13.59	ug/l #	25
76) 1,2,3-Trichloropropane	11.97	75	72	15.54	ug/l #	39
78) n-propylbenzene	11.65	91	62	Below Cal	#	54
79) 2-Chlorotoluene	11.77	91	68	Below Cal	#	44
81) trans-1,4-Dichloro-2-buten	11.97	75	72	37.54	ug/l #	45
82) 4-Chlorotoluene	11.99	91	73	Below Cal	#	44
83) tert-Butylbenzene	12.19	119	76	2.93	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.38	105	83	Below Cal	#	33
85) sec-Butylbenzene	12.38	105	83	Below Cal	#	57
87) 1,3-Dichlorobenzene	12.57	146	63	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.57	146	63	1.06	ug/l #	24
89) n-Butylbenzene	12.92	91	80	Below Cal	#	29

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

