

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062601.D
 Acq On : 15 May 2019 1:21
 Operator : FY/SY
 Sample : K2756-20RE
 Misc : 5.75u/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-02RE

Quant Time: May 15 05:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	49570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	50280	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	22189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	1202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	4232	11.30	ug/l	-0.02
Spiked Amount			Recovery	=	22.60%	
35) Dibromofluoromethane	4.32	113	9557	25.54	ug/l	-0.01
Spiked Amount			Recovery	=	51.08%	
50) Toluene-d8	7.73	98	29971	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	
62) 4-Bromofluorobenzene	11.52	95	2782	9.03	ug/l	0.00
Spiked Amount			Recovery	=	18.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	843	Below Cal	#	45
3) Chloromethane	1.01	50	889	1.573	ug/l	99
5) Bromomethane	1.29	94	252	1.163	ug/l	88
6) Chloroethane	1.45	64	1017	4.760	ug/l	# 72
8) Diethyl Ether	1.70	74	499	2.888	ug/l	76
11) Tert butyl alcohol	2.69	59	138	6.121	ug/l	# 73
12) 1,1-Dichloroethene	1.88	96	805	1.787	ug/l	# 3
13) Acrolein	2.11	56	122	8.165	ug/l	# 72
14) Allyl chloride	2.19	41	1454	3.155	ug/l	# 34
15) Acrylonitrile	2.98	53	617	7.650	ug/l	84
16) Acetone	2.22	43	783	10.304	ug/l	93
17) Carbon Disulfide	1.92	76	192	Below Cal	#	71
18) Methyl Acetate	2.48	43	1245	2.365	ug/l	# 48
19) Methyl tert-butyl Ether	2.55	73	1201	1.497	ug/l	# 37
21) trans-1,2-Dichloroethene	2.46	96	887	1.954	ug/l	# 1
23) Vinyl Acetate	3.39	43	662	1.129	ug/l	# 75
25) 2-Butanone	4.61	43	739	4.302	ug/l	96
26) 2,2-Dichloropropane	3.72	77	939	2.133	ug/l	88
29) Tetrahydrofuran	4.24	42	1728	23.770	ug/l	# 34
37) Ethyl Acetate	4.30	43	759	4.245	ug/l	# 2
41) Methacrylonitrile	4.94	41	708	6.993	ug/l	# 54
43) Isopropyl Acetate	7.11	43	516	2.439	ug/l	# 40
46) Dibromomethane	6.30	93	611	3.508	ug/l	# 41
48) Methyl methacrylate	6.89	41	440	3.799	ug/l	# 63
49) 1,4-Dioxane	6.92	88	336	220.177	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.42	43	804	5.186	ug/l	# 77
53) t-1,3-Dichloropropene	8.42	75	548	1.852	ug/l	# 85
54) cis-1,3-Dichloropropene	7.46	75	444	1.062	ug/l	# 1
55) 1,1,2-Trichloroethane	8.67	97	248	1.333	ug/l	# 29
57) 1,3-Dichloropropane	9.03	76	318	1.036	ug/l	# 53
58) 2-Chloroethyl Vinyl ether	7.45	63	122	1.912	ug/l	# 53
59) 2-Hexanone	9.50	43	568	5.548	ug/l	86
60) Dibromochloromethane	8.71	129	259	1.096	ug/l	61
64) Tetrachloroethene	8.28	164	162	1.105	ug/l	# 23

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

65) Chlorobenzene	9.94	112	562	1.457	ug/l #	40
68) m/p-Xylenes	10.28	106	550	2.264	ug/l #	24
71) Bromoform	10.92	173	92	1.233	ug/l #	29
73) Isopropylbenzene	11.23	105	297	3.675	ug/l #	48
74) N-amyl acetate	11.48	43	533	27.161	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.82	83	156	9.422	ug/l #	25
76) 1,2,3-Trichloropropane	11.88	75	225	21.198	ug/l #	14
77) Bromobenzene	11.56	156	84	4.599	ug/l #	19
78) n-propylbenzene	11.69	91	209	2.174	ug/l #	1
79) 2-Chlorotoluene	11.77	91	563	10.612	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	225	3.557	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.97	75	184	40.670	ug/l #	40
82) 4-Chlorotoluene	11.98	91	353	6.805	ug/l #	40
83) tert-Butylbenzene	12.21	119	385	5.818	ug/l #	81
84) 1,2,4-Trimethylbenzene	12.29	105	129	2.076	ug/l #	27
85) sec-Butylbenzene	12.35	105	174	1.937	ug/l #	59
86) p-Isopropyltoluene	12.51	119	344	4.651	ug/l #	51
87) 1,3-Dichlorobenzene	12.50	146	154	4.311	ug/l #	23
88) 1,4-Dichlorobenzene	12.67	146	174	5.193	ug/l #	72
89) n-Butylbenzene	12.92	91	138	1.833	ug/l #	79
90) Hexachloroethane	13.01	117	95	5.015	ug/l #	21
91) 1,2-Dichlorobenzene	13.02	146	81	2.556	ug/l #	33
92) 1,2-Dibromo-3-Chloropropan	13.72	75	134	65.888	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.27	180	95	4.311	ug/l #	12
94) Hexachlorobutadiene	14.25	225	99	6.184	ug/l #	19
95) Naphthalene	14.52	128	135	3.764	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.60	180	98	4.794	ug/l #	12

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

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