

Data File : VF062464.D
Acq On : 11 May 2019 17:08
Operator : FY/SY
Sample : K2746-01RE
Misc : 5.10g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
COMP-5.8.19RE

Quant Time: May 12 03:47:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	9239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	5534	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1408	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.70	152	76	50.00	ug/l	0.09

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	1154	13.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.44%	
35) Dibromofluoromethane	4.29	113	744	16.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	33.76%	
50) Toluene-d8	7.72	98	3419	32.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	64.08%	
62) 4-Bromofluorobenzene	11.52	95	273	5.67	ug/l	0.03
Spiked Amount	50.000		Recovery	=	11.34%	

Target Compounds						Qvalue
3) Chloromethane	1.16	50	145	2.056	ug/l #	42
4) Vinyl Chloride	1.05	62	71	1.009	ug/l #	42
5) Bromomethane	1.32	94	61	Below Cal	#	1
6) Chloroethane	1.50	64	149	4.213	ug/l #	41
8) Diethyl Ether	1.53	74	156	7.064	ug/l #	1
11) Tert butyl alcohol	2.75	59	207	41.948	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	350	4.941	ug/l #	1
13) Acrolein	2.08	56	77	4.512	ug/l #	1
14) Allyl chloride	2.20	41	632	10.100	ug/l #	5
15) Acrylonitrile	3.06	53	63	6.740	ug/l #	1
16) Acetone	2.35	43	463	26.214	ug/l #	62
18) Methyl Acetate	2.46	43	324	7.390	ug/l #	58
19) Methyl tert-butyl Ether	2.57	73	424	2.900	ug/l #	61
20) Methylene Chloride	2.34	84	79	1.236	ug/l #	10
21) trans-1,2-Dichloroethene	2.41	96	257	3.808	ug/l #	49
23) Vinyl Acetate	3.35	43	652	7.480	ug/l #	79
25) 2-Butanone	4.52	43	166	7.481	ug/l #	60
26) 2,2-Dichloropropane	3.76	77	891	13.499	ug/l #	58
27) cis-1,2-Dichloroethene	3.65	96	134	1.588	ug/l #	30
28) Bromochloromethane	4.06	49	66	1.231	ug/l #	1
29) Tetrahydrofuran	4.27	42	188	18.434	ug/l #	68
31) Cyclohexane	3.85	56	135	1.431	ug/l #	16
36) 1,1-Dichloropropene	4.48	75	114	2.398	ug/l #	1
37) Ethyl Acetate	4.32	43	180	4.979	ug/l #	73
38) Carbon Tetrachloride	4.22	117	68	Below Cal	#	14
39) Methylcyclohexane	5.45	83	60	1.258	ug/l #	33
41) Methacrylonitrile	4.95	41	127	11.141	ug/l #	43
42) 1,2-Dichloroethane	5.20	62	71	1.622	ug/l #	82
43) Isopropyl Acetate	7.13	43	124	5.735	ug/l #	48
44) Trichloroethene	5.79	130	64	1.664	ug/l	2
45) 1,2-Dichloropropane	6.42	63	60	2.530	ug/l #	43
46) Dibromomethane	6.35	93	80	4.069	ug/l #	1
47) Bromodichloromethane	6.57	83	70	1.424	ug/l #	27
48) Methyl methacrylate	6.92	41	291	19.043	ug/l #	30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.40	43	148	9.033	ug/l #	40
53) t-1,3-Dichloropropene	8.43	75	70	1.883	ug/l #	1
54) cis-1,3-Dichloropropene	7.48	75	156	3.606	ug/l #	22
55) 1,1,2-Trichloroethane	8.63	97	77	3.756	ug/l #	14
56) Ethyl methacrylate	8.78	69	66	3.050	ug/l #	1
57) 1,3-Dichloropropane	9.06	76	67	2.164	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.43	63	68	10.451	ug/l #	42
59) 2-Hexanone	9.82	43	383	33.799	ug/l	73
60) Dibromochloromethane	8.91	129	60	1.789	ug/l #	11
61) 1,2-Dibromoethane	9.17	107	85	3.528	ug/l #	65
65) Chlorobenzene	9.70	112	65	2.790	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.00	131	60	5.105	ug/l #	1
67) Ethyl Benzene	10.15	91	65	1.593	ug/l #	45
68) m/p-Xylenes	10.25	106	62	4.119	ug/l	74
69) o-Xylene	10.89	106	67	4.119	ug/l #	1
70) Styrene	11.01	104	64	2.626	ug/l #	1
71) Bromoform	10.79	173	60	9.319	ug/l #	29
73) Isopropylbenzene	11.22	105	130	28.853	ug/l #	50
74) N-amyl acetate	11.44	43	203	209.866	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	11.74	83	87	123.324	ug/l #	22
76) 1,2,3-Trichloropropane	11.86	75	62	115.194	ug/l #	100
78) n-propylbenzene	11.60	91	149	31.062	ug/l #	52
79) 2-Chlorotoluene	11.83	91	108	36.208	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.91	105	179	45.327	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.94	75	80	395.431	ug/l #	16
82) 4-Chlorotoluene	11.97	91	218	73.998	ug/l #	39
83) tert-Butylbenzene	12.19	119	79	19.035	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.35	105	88	22.771	ug/l #	31
85) sec-Butylbenzene	12.35	105	88	17.420	ug/l #	57
86) p-Isopropyltoluene	12.55	119	65	13.849	ug/l #	50
88) 1,4-Dichlorobenzene	12.87	146	73	35.023	ug/l #	16
89) n-Butylbenzene	12.87	91	174	41.670	ug/l #	29
90) Hexachloroethane	13.03	117	62	52.906	ug/l #	3
91) 1,2-Dichlorobenzene	13.03	146	92	44.013	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.67	75	66	417.602	ug/l	78
95) Naphthalene	14.70	128	75	26.607	ug/l #	69

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

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