

Data File : VF062487.D
Acq On : 12 May 2019 5:15
Operator : FY/SY
Sample : K2756-04
Misc : 6.14g/5mL/MSVOA_F/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-1218-01

Quant Time: May 12 10:06:21 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	6830	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	3562	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	158	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.77	152	62	50.00	ug/l	0.16

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	391	6.06	ug/l	0.05
Spiked Amount 50.000			Recovery	=	12.12%	
35) Dibromofluoromethane	4.33	113	988	34.82	ug/l	0.03
Spiked Amount 50.000			Recovery	=	69.64%	
50) Toluene-d8	7.73	98	710	10.34	ug/l	0.03
Spiked Amount 50.000			Recovery	=	20.68%	
62) 4-Bromofluorobenzene	11.56	95	68	2.19	ug/l	0.07
Spiked Amount 50.000			Recovery	=	4.38%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.99	85	84	1.063	ug/l #	41
3) Chloromethane	1.19	50	95	1.822	ug/l #	42
4) Vinyl Chloride	1.12	62	64	1.231	ug/l #	42
5) Bromomethane	1.44	94	137	1.033	ug/l #	3
6) Chloroethane	1.42	64	78	2.984	ug/l #	41
7) Trichlorofluoromethane	1.36	101	137	1.270	ug/l #	20
8) Diethyl Ether	1.72	74	64	3.920	ug/l	91
11) Tert butyl alcohol	2.70	59	75	20.559	ug/l #	70
12) 1,1-Dichloroethene	1.88	96	66	1.260	ug/l #	1
13) Acrolein	2.11	56	60	6.003	ug/l #	1
14) Allyl chloride	2.19	41	552	11.933	ug/l #	36
15) Acrylonitrile	3.10	53	63	9.117	ug/l #	1
16) Acetone	2.37	43	93	7.122	ug/l #	62
18) Methyl Acetate	2.47	43	73	Below Cal	#	1
19) Methyl tert-butyl Ether	2.56	73	272	2.516	ug/l #	61
20) Methylene Chloride	2.31	84	69	1.461	ug/l #	1
21) trans-1,2-Dichloroethene	2.39	96	69	1.383	ug/l #	1
23) Vinyl Acetate	3.34	43	100	1.552	ug/l #	79
24) 1,1-Dichloroethane	3.08	63	147	1.682	ug/l #	1
25) 2-Butanone	4.54	43	233	14.204	ug/l #	18
26) 2,2-Dichloropropane	3.80	77	303	6.210	ug/l	84
27) cis-1,2-Dichloroethene	3.69	96	73	1.171	ug/l #	1
28) Bromochloromethane	3.78	49	92	2.322	ug/l #	1
29) Tetrahydrofuran	4.28	42	88	11.672	ug/l #	48
31) Cyclohexane	3.96	56	101	1.448	ug/l #	16
36) 1,1-Dichloropropene	4.48	75	127	4.150	ug/l #	42
37) Ethyl Acetate	4.32	43	296	21.878	ug/l #	73
38) Carbon Tetrachloride	4.24	117	71	Below Cal	#	14
39) Methylcyclohexane	5.45	83	94	3.063	ug/l #	14
40) Benzene	4.85	78	79	1.172	ug/l #	48
41) Methacrylonitrile	4.94	41	130	17.718	ug/l #	61
42) 1,2-Dichloroethane	5.17	62	63	2.236	ug/l #	82
43) Isopropyl Acetate	7.14	43	167	11.999	ug/l #	1
44) Trichloroethene	5.86	130	77	3.111	ug/l	2

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	6.65	63	79	5.176	ug/l #	43
46) Dibromomethane	6.28	93	75	5.927	ug/l #	1
47) Bromodichloromethane	6.57	83	72	2.276	ug/l #	27
48) Methyl methacrylate	6.87	41	287	29.180	ug/l #	28
49) 1,4-Dioxane	6.86	88	76	748.012	ug/l #	1
51) 4-Methyl-2-Pentanone	8.20	43	277	26.265	ug/l	94
53) t-1,3-Dichloropropene	8.34	75	125	5.224	ug/l #	1
54) cis-1,3-Dichloropropene	7.56	75	243	8.726	ug/l #	32
55) 1,1,2-Trichloroethane	8.64	97	192	14.550	ug/l #	14
56) Ethyl methacrylate	8.82	69	85	6.102	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.43	63	91	21.730	ug/l #	42
59) 2-Hexanone	9.64	43	127	17.412	ug/l #	28
64) Tetrachloroethene	8.14	164	77	60.030	ug/l #	1
65) Chlorobenzene	9.68	112	72	27.542	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.92	131	66	50.046	ug/l #	63
67) Ethyl Benzene	9.93	91	126	27.525	ug/l #	45
69) o-Xylene	10.80	106	76	41.642	ug/l #	1
73) Isopropylbenzene	11.31	105	68	18.500	ug/l #	50
74) N-amyl acetate	11.46	43	291	368.774	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.84	83	76	132.057	ug/l #	22
76) 1,2,3-Trichloropropane	11.81	75	100	227.751	ug/l #	100
78) n-propylbenzene	11.66	91	79	20.188	ug/l #	52
79) 2-Chlorotoluene	11.80	91	99	40.685	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.03	105	66	20.486	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.99	75	85	515.017	ug/l #	98
82) 4-Chlorotoluene	11.98	91	60	24.965	ug/l #	39
83) tert-Butylbenzene	12.16	119	62	18.312	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.03	105	66	20.934	ug/l #	31
86) p-Isopropyltoluene	12.54	119	61	15.932	ug/l #	1
89) n-Butylbenzene	12.88	91	65	19.081	ug/l #	29
90) Hexachloroethane	13.01	117	140	146.440	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.55	75	75	581.704	ug/l #	1

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

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