

Data File : VF062486.D
Acq On : 12 May 2019 4:47
Operator : FY/SY
Sample : K2756-03
Misc : 5.70g/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Quant Time: May 12 05:22:54 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	5.07	168	882	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	250	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.74	117	148	50.00	ug/l	-0.16
72) 1,4-Dichlorobenzene-d4	12.46	152	62	50.00	ug/l	-0.15

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	110	13.20	ug/l	0.03
Spiked Amount	50.000		Recovery	=	26.40%	
35) Dibromofluoromethane	4.32	113	240	120.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	241.00%	
50) Toluene-d8	7.79	98	63	13.07	ug/l	0.08
Spiked Amount	50.000		Recovery	=	26.14%	
62) 4-Bromofluorobenzene	11.50	95	112	51.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.17	85	70	6.858	ug/l #	41
3) Chloromethane	1.15	50	84	12.477	ug/l #	42
4) Vinyl Chloride	1.20	62	69	10.275	ug/l #	1
5) Bromomethane	1.44	94	85	15.019	ug/l #	3
6) Chloroethane	1.39	64	98	29.028	ug/l #	41
7) Trichlorofluoromethane	1.80	101	74	5.311	ug/l #	20
8) Diethyl Ether	1.52	74	139	65.935	ug/l #	17
9) 1,1,2-Trichlorotrifluoroet	1.80	101	74	9.303	ug/l #	18
11) Tert butyl alcohol	2.70	59	63	133.734	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	70	10.352	ug/l #	1
13) Acrolein	2.21	56	65	220.753	ug/l #	13
14) Allyl chloride	2.20	41	277	46.372	ug/l #	5
15) Acrylonitrile	3.05	53	175	196.109	ug/l #	33
16) Acetone	2.37	43	95	56.341	ug/l #	62
17) Carbon Disulfide	2.03	76	63	4.273	ug/l #	1
18) Methyl Acetate	2.49	43	137	44.189	ug/l #	58
19) Methyl tert-butyl Ether	2.59	73	207	14.829	ug/l #	61
20) Methylene Chloride	2.36	84	202	33.112	ug/l #	1
21) trans-1,2-Dichloroethene	2.32	96	129	20.023	ug/l #	1
22) Diisopropyl ether	2.96	45	313	16.765	ug/l #	66
23) Vinyl Acetate	3.38	43	209	25.118	ug/l #	79
24) 1,1-Dichloroethane	3.06	63	66	5.849	ug/l #	86
25) 2-Butanone	4.52	43	259	122.264	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	102	16.187	ug/l #	58
27) cis-1,2-Dichloroethene	3.60	96	63	7.823	ug/l #	2
28) Bromochloromethane	3.92	49	62	12.116	ug/l #	1
29) Tetrahydrofuran	4.29	42	63	64.709	ug/l #	1
30) Chloroform	4.03	83	60	3.936	ug/l #	19
31) Cyclohexane	3.97	56	59	6.551	ug/l #	1
32) 1,1,1-Trichloroethane	4.25	97	72	5.511	ug/l #	22
36) 1,1-Dichloropropene	4.51	75	138	64.258	ug/l #	42
37) Ethyl Acetate	4.31	43	160	207.969	ug/l #	73
38) Carbon Tetrachloride	4.30	117	104	46.493	ug/l #	14
39) Methylcyclohexane	5.73	83	71	32.964	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.82	78	78	16.494	ug/l #	48
41) Methacrylonitrile	4.95	41	302	586.465	ug/l #	66
42) 1,2-Dichloroethane	5.32	62	135	68.255	ug/l #	1
43) Isopropyl Acetate	7.18	43	132	135.131	ug/l #	48
44) Trichloroethene	5.82	130	65	37.416	ug/l	2
45) 1,2-Dichloropropane	6.52	63	71	66.283	ug/l #	43
46) Dibromomethane	6.31	93	122	137.368	ug/l #	1
47) Bromodichloromethane	6.55	83	84	37.830	ug/l #	82
48) Methyl methacrylate	6.89	41	73	105.749	ug/l #	17
51) 4-Methyl-2-Pentanone	8.44	43	158	213.459	ug/l #	40
52) Toluene	7.78	92	60	20.566	ug/l #	1
53) t-1,3-Dichloropropene	8.49	75	84	50.018	ug/l #	26
54) cis-1,3-Dichloropropene	7.54	75	63	32.233	ug/l #	7
55) 1,1,2-Trichloroethane	8.75	97	135	145.766	ug/l #	14
56) Ethyl methacrylate	8.78	69	78	79.784	ug/l #	1
57) 1,3-Dichloropropane	9.18	76	77	55.041	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.56	63	90	306.204	ug/l #	42
59) 2-Hexanone	9.68	43	182	355.528	ug/l #	28
67) Ethyl Benzene	10.11	91	120	27.985	ug/l #	45
68) m/p-Xylenes	10.27	106	73	46.141	ug/l #	1
69) o-Xylene	10.65	106	70	40.946	ug/l #	31
70) Styrene	10.79	104	65	25.369	ug/l #	23
73) Isopropylbenzene	11.12	105	90	24.486	ug/l #	50
74) N-amyl acetate	11.43	43	179	226.840	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	11.81	83	93	161.596	ug/l #	5
76) 1,2,3-Trichloropropane	11.88	75	95	216.364	ug/l #	100
77) Bromobenzene	11.34	156	80	82.932	ug/l #	1
78) n-propylbenzene	11.71	91	62	15.844	ug/l #	52
79) 2-Chlorotoluene	11.80	91	71	29.178	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.98	105	64	19.866	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.88	75	95	575.607	ug/l #	74
82) 4-Chlorotoluene	12.11	91	127	52.843	ug/l	77
83) tert-Butylbenzene	12.20	119	65	19.198	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.40	105	73	23.155	ug/l #	31
85) sec-Butylbenzene	12.40	105	73	17.714	ug/l #	57
86) p-Isopropyltoluene	12.50	119	131	34.214	ug/l #	50
87) 1,3-Dichlorobenzene	12.55	146	75	42.571	ug/l #	25
88) 1,4-Dichlorobenzene	12.55	146	75	44.107	ug/l #	25
89) n-Butylbenzene	13.02	91	63	18.494	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.71	75	74	573.948	ug/l #	1
94) Hexachlorobutadiene	14.45	225	69	60.526	ug/l #	18
95) Naphthalene	14.47	128	60	26.092	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	70	47.240	ug/l #	11

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

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