

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062570.D
 Acq On : 14 May 2019 5:55
 Operator : FY/SY
 Sample : K2756-18MS
 Misc : 6.24g/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MS

Quant Time: May 14 07:08:16 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	5.08	168	3573	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.81	114	1211	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.94	117	2316	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.63	152	1288	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	412	12.20	ug/l	0.04
Spiked Amount 50.000			Recovery =	24.40%		
35) Dibromofluoromethane	4.33	113	135	13.99	ug/l	0.03
Spiked Amount 50.000			Recovery =	27.98%		
50) Toluene-d8	7.74	98	2117	90.65	ug/l	0.04
Spiked Amount 50.000			Recovery =	181.30%		
62) 4-Bromofluorobenzene	11.51	95	1289	122.34	ug/l	0.02
Spiked Amount 50.000			Recovery =	244.68%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	524	12.672	ug/l #	41
3) Chloromethane	1.17	50	694	25.447	ug/l #	42
4) Vinyl Chloride	1.18	62	106	3.897	ug/l #	42
5) Bromomethane	1.39	94	1214	59.627	ug/l #	3
6) Chloroethane	1.44	64	352	25.738	ug/l #	81
7) Trichlorofluoromethane	1.56	101	213	3.774	ug/l #	31
8) Diethyl Ether	1.57	74	284	33.255	ug/l	50
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62	1.924	ug/l #	13
10) Methyl Iodide	1.95	142	164	3.088	ug/l #	80
11) Tert butyl alcohol	2.70	59	713	373.616	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	362	13.215	ug/l #	33
13) Acrolein	2.11	56	464	406.573	ug/l #	13
14) Allyl chloride	2.20	41	410	16.943	ug/l #	10
15) Acrylonitrile	3.10	53	378	104.565	ug/l #	16
16) Acetone	2.35	43	5227	765.224	ug/l #	62
17) Carbon Disulfide	1.92	76	74	1.239	ug/l #	71
18) Methyl Acetate	2.47	43	798	65.000	ug/l #	69
19) Methyl tert-butyl Ether	2.55	73	487	8.612	ug/l #	80
20) Methylene Chloride	2.32	84	1952	78.986	ug/l #	87
21) trans-1,2-Dichloroethene	2.41	96	378	14.483	ug/l #	1
22) Diisopropyl ether	2.94	45	290	3.834	ug/l #	18
23) Vinyl Acetate	3.38	43	582	17.266	ug/l #	79
24) 1,1-Dichloroethane	3.01	63	85	1.860	ug/l #	1
25) 2-Butanone	4.56	43	629	73.297	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	393	15.396	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	301	9.226	ug/l	18
28) Bromochloromethane	3.94	49	83	4.004	ug/l #	1
29) Tetrahydrofuran	4.24	42	485	122.970	ug/l #	36
30) Chloroform	4.05	83	185	2.996	ug/l #	19
31) Cyclohexane	3.93	56	79	2.165	ug/l #	16
32) 1,1,1-Trichloroethane	4.30	97	60	1.134	ug/l #	1
36) 1,1-Dichloropropene	4.51	75	233	22.398	ug/l #	1
37) Ethyl Acetate	4.29	43	528	139.803	ug/l #	93
38) Carbon Tetrachloride	4.20	117	83	5.202	ug/l #	14

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

39) Methylcyclohexane	5.56	83	63	6.038	ug/l #	14
40) Benzene	4.83	78	419	18.291	ug/l #	84
41) Methacrylonitrile	5.00	41	489	196.038	ug/l #	32
42) 1,2-Dichloroethane	5.21	62	63	6.576	ug/l #	82
43) Isopropyl Acetate	7.18	43	309	65.303	ug/l #	48
44) Trichloroethene	5.80	130	151	17.944	ug/l #	2
45) 1,2-Dichloropropane	6.43	63	162	31.222	ug/l #	43
46) Dibromomethane	6.27	93	59	13.714	ug/l #	1
47) Bromodichloromethane	6.59	83	82	7.624	ug/l #	27
48) Methyl methacrylate	6.89	41	318	95.099	ug/l #	19
49) 1,4-Dioxane	6.77	88	72	2108.035	ug/l #	1
51) 4-Methyl-2-Pentanone	8.57	43	212	59.128	ug/l #	96
52) Toluene	7.82	92	159	11.251	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	63	7.744	ug/l #	43
54) cis-1,3-Dichloropropene	7.47	75	70	7.394	ug/l #	1
55) 1,1,2-Trichloroethane	8.56	97	118	26.303	ug/l #	14
56) Ethyl methacrylate	8.82	69	76	16.048	ug/l #	1
57) 1,3-Dichloropropane	9.05	76	73	10.773	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.52	63	61	42.844	ug/l #	42
59) 2-Hexanone	9.74	43	339	136.709	ug/l #	87
60) Dibromochloromethane	9.08	129	69	9.404	ug/l #	11
61) 1,2-Dibromoethane	9.05	107	72	13.655	ug/l #	3
64) Tetrachloroethene	8.22	164	63	3.351	ug/l #	1
65) Chlorobenzene	9.99	112	67	1.748	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.91	131	60	3.104	ug/l #	1
67) Ethyl Benzene	10.05	91	2465	36.736	ug/l #	96
68) m/p-Xylenes	10.29	106	289	11.673	ug/l #	1
69) o-Xylene	10.86	106	76	2.841	ug/l #	1
70) Styrene	10.90	104	1004	25.041	ug/l #	84
71) Bromoform	10.88	173	136	12.842	ug/l #	29
73) Isopropylbenzene	11.22	105	1213	15.886	ug/l #	70
74) N-amyl acetate	11.42	43	741	45.202	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.79	83	66	5.520	ug/l #	22
76) 1,2,3-Trichloropropane	11.87	75	413	45.278	ug/l #	100
78) n-propylbenzene	11.69	91	1127	13.863	ug/l #	82
79) 2-Chlorotoluene	11.80	91	251	4.965	ug/l #	94
80) 1,3,5-Trimethylbenzene	11.91	105	575	8.591	ug/l #	53
81) trans-1,4-Dichloro-2-buten	11.93	75	164	47.832	ug/l #	71
82) 4-Chlorotoluene	11.98	91	350	7.010	ug/l #	99
83) tert-Butylbenzene	12.21	119	635	9.028	ug/l #	89
84) 1,2,4-Trimethylbenzene	12.28	105	463	7.069	ug/l #	52
85) sec-Butylbenzene	12.38	105	836	9.765	ug/l #	78
86) p-Isopropyltoluene	12.52	119	722	9.077	ug/l #	68
87) 1,3-Dichlorobenzene	12.55	146	237	6.475	ug/l #	64
88) 1,4-Dichlorobenzene	12.64	146	352	9.965	ug/l #	76
89) n-Butylbenzene	12.91	91	817	11.545	ug/l #	70
90) Hexachloroethane	12.94	117	65	3.273	ug/l #	3
91) 1,2-Dichlorobenzene	13.02	146	389	10.981	ug/l #	41
92) 1,2-Dibromo-3-Chloropropan	13.68	75	86	32.108	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.25	180	183	5.759	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.24	225	155	6.545	ug/l #	18
95) Naphthalene	14.51	128	903	18.903	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.65	180	263	8.544	ug/l	64

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

