

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062842.D
 Acq On : 4 Jun 2019 16:46
 Operator : FY/SY
 Sample : K3174-02
 Misc : 4.95g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-008-ABCD

Quant Time: Jun 05 05:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	3744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.71	114	303	50.00	ug/l	-0.10
63) Chlorobenzene-d5	9.77	117	198	50.00	ug/l	-0.16
72) 1,4-Dichlorobenzene-d4	12.63	152	338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	315	12.17	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	24.34%	
35) Dibromofluoromethane	4.26	113	449	196.10	ug/l	-0.08
Spiked Amount				50.000		
			Recovery	=	392.20%	
50) Toluene-d8	7.74	98	1313	226.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	453.54%	
62) 4-Bromofluorobenzene	11.33	95	639	306.81	ug/l	-0.18
Spiked Amount				50.000		
			Recovery	=	613.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	148	Below Cal		86
3) Chloromethane	1.29	50	1002	25.865	ug/l	93
4) Vinyl Chloride	1.07	62	425	11.040	ug/l	92
5) Bromomethane	1.49	94	107	4.874	ug/l	88
6) Chloroethane	1.47	64	367	25.498	ug/l #	59
7) Trichlorofluoromethane	1.61	101	81	1.486	ug/l #	16
8) Diethyl Ether	1.73	74	658	61.368	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.94	101	148	4.319	ug/l #	19
11) Tert butyl alcohol	2.71	59	360	229.535	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	681	21.888	ug/l #	1
13) Acrolein	2.14	56	421	686.199	ug/l #	82
14) Allyl chloride	2.20	41	386	15.992	ug/l #	74
15) Acrylonitrile	3.13	53	393	66.685	ug/l	94
16) Acetone	2.35	43	427	72.060	ug/l #	52
17) Carbon Disulfide	1.92	76	436	4.795	ug/l #	69
18) Methyl Acetate	2.39	43	469	45.292	ug/l	97
19) Methyl tert-butyl Ether	2.58	73	932	16.534	ug/l #	81
20) Methylene Chloride	2.35	84	75	Below Cal	#	37
21) trans-1,2-Dichloroethene	2.47	96	901	28.883	ug/l #	40
22) Diisopropyl ether	2.95	45	1466	21.378	ug/l #	84
23) Vinyl Acetate	3.38	43	1207	25.710	ug/l #	62
24) 1,1-Dichloroethane	3.02	63	104	2.031	ug/l #	1
25) 2-Butanone	4.53	43	1926	139.571	ug/l	91
26) 2,2-Dichloropropane	3.81	77	1039	35.738	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	292	5.569	ug/l	31
28) Bromochloromethane	3.83	49	77	2.765	ug/l	98
29) Tetrahydrofuran	4.31	42	1531	290.077	ug/l #	36
30) Chloroform	4.13	83	348	4.822	ug/l #	15
31) Cyclohexane	3.89	56	342	4.934	ug/l #	45
32) 1,1,1-Trichloroethane	4.32	97	127	3.023	ug/l #	1
36) 1,1-Dichloropropene	4.44	75	106	38.001	ug/l #	1
37) Ethyl Acetate	4.27	43	694	650.858	ug/l #	52
38) Carbon Tetrachloride	4.11	117	231	122.535	ug/l #	1
39) Methylcyclohexane	5.56	83	111	31.973	ug/l #	2

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.76	78	166	20.448	ug/l #	1
41) Methacrylonitrile	4.85	41	384	647.805	ug/l #	29
42) 1,2-Dichloroethane	5.11	62	146	94.559	ug/l	69
43) Isopropyl Acetate	6.98	43	876	621.906	ug/l #	38
44) Trichloroethene	5.62	130	228	99.514	ug/l	3
45) 1,2-Dichloropropane	6.34	63	131	64.303	ug/l #	44
46) Dibromomethane	6.19	93	132	110.979	ug/l #	14
47) Bromodichloromethane	6.50	83	320	132.105	ug/l #	11
48) Methyl methacrylate	6.80	41	1166	1606.217	ug/l #	45
49) 1,4-Dioxane	7.12	88	170	17766.509	ug/l	91
51) 4-Methyl-2-Pentanone	8.30	43	761	756.734	ug/l #	56
52) Toluene	7.71	92	106	24.242	ug/l #	56
53) t-1,3-Dichloropropene	8.26	75	559	278.490	ug/l	89
54) cis-1,3-Dichloropropene	7.41	75	499	171.741	ug/l	94
55) 1,1,2-Trichloroethane	8.52	97	384	293.963	ug/l #	31
56) Ethyl methacrylate	8.64	69	381	271.830	ug/l #	56
57) 1,3-Dichloropropane	8.78	76	173	81.099	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.36	63	75	153.109	ug/l #	51
59) 2-Hexanone	9.48	43	954	1330.941	ug/l #	22
60) Dibromochloromethane	8.57	129	118	72.963	ug/l	77
61) 1,2-Dibromoethane	9.02	107	204	150.370	ug/l #	40
64) Tetrachloroethene	8.32	164	167	109.759	ug/l #	71
65) Chlorobenzene	9.95	112	234	61.197	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	131	86.025	ug/l #	6
67) Ethyl Benzene	10.09	91	945	144.020	ug/l	94
68) m/p-Xylenes	10.31	106	434	172.847	ug/l #	1
69) o-Xylene	10.82	106	367	144.364	ug/l #	1
70) Stvrene	10.89	104	360	96.076	ug/l #	67
71) Bromoform	10.96	173	70	95.822	ug/l #	28
73) Isopropylbenzene	11.23	105	298	12.636	ug/l #	44
74) N-amyl acetate	11.42	43	621	93.425	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.79	83	409	81.208	ug/l #	25
76) 1,2,3-Trichloropropane	11.89	75	308	92.258	ug/l #	66
77) Bromobenzene	11.55	156	439	74.083	ug/l #	1
78) n-propylbenzene	11.69	91	196	6.883	ug/l #	49
79) 2-Chlorotoluene	11.65	91	128	7.856	ug/l	71
80) 1,3,5-Trimethylbenzene	11.91	105	72	3.733	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.96	75	176	124.522	ug/l #	35
82) 4-Chlorotoluene	11.97	91	261	16.299	ug/l	83
83) tert-Butylbenzene	12.20	119	76	3.977	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.23	105	109	5.961	ug/l	79
85) sec-Butylbenzene	12.41	105	277	11.000	ug/l #	1
86) p-Isopropyltoluene	12.52	119	264	12.595	ug/l #	26
87) 1,3-Dichlorobenzene	12.60	146	77	7.368	ug/l #	23
88) 1,4-Dichlorobenzene	12.60	146	77	7.895	ug/l #	23
89) n-Butylbenzene	12.89	91	687	32.583	ug/l #	57
90) Hexachloroethane	12.97	117	189	36.970	ug/l	71
91) 1,2-Dichlorobenzene	13.03	146	147	16.003	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.71	75	316	575.899	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	88	13.953	ug/l #	6

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.29	225	68	15.585	ug/l #	37
95) Naphthalene	14.54	128	126	12.194	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.60	180	66	11.464	ug/l #	11

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

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