

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062856.D
 Acq On : 4 Jun 2019 23:18
 Operator : FY/SY
 Sample : K3163-03
 Misc : 8.52g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-060419-B

Quant Time: Jun 05 05:25:43 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	292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	92	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.83	117	196	50.00	ug/l	-0.10
72) 1,4-Dichlorobenzene-d4	12.58	152	202	50.00	ug/l	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	451	223.36	ug/l	-0.04
Spiked Amount			Recovery	=	446.72%	
35) Dibromofluoromethane	4.29	113	234	336.59	ug/l	-0.05
Spiked Amount			Recovery	=	673.18%	
50) Toluene-d8	7.68	98	115	65.42	ug/l	-0.05
Spiked Amount			Recovery	=	130.84%	
62) 4-Bromofluorobenzene	11.40	95	342	540.82	ug/l	-0.11
Spiked Amount			Recovery	=	1081.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	194	59.539	ug/l #	39
3) Chloromethane	1.16	50	751	248.565	ug/l #	60
4) Vinyl Chloride	1.20	62	498	165.867	ug/l	94
5) Bromomethane	1.23	94	330	192.726	ug/l	98
6) Chloroethane	1.46	64	487	433.827	ug/l #	57
7) Trichlorofluoromethane	1.60	101	238	55.994	ug/l #	56
8) Diethyl Ether	1.68	74	89	106.429	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	1.93	101	265	99.167	ug/l #	19
10) Methyl Iodide	2.03	142	95	17.730	ug/l #	1
11) Tert butyl alcohol	2.70	59	531	4341.033	ug/l #	70
12) 1,1-Dichloroethene	1.90	96	270	111.270	ug/l #	1
13) Acrolein	2.10	56	469	9913.902	ug/l	90
14) Allyl chloride	2.19	41	1433	761.225	ug/l	89
15) Acrylonitrile	3.11	53	955	2077.751	ug/l #	35
16) Acetone	2.40	43	443	958.565	ug/l #	52
17) Carbon Disulfide	1.94	76	409	57.669	ug/l #	69
18) Methyl Acetate	2.44	43	517	640.167	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	511	116.236	ug/l #	91
20) Methylene Chloride	2.38	84	332	149.394	ug/l #	69
21) trans-1,2-Dichloroethene	2.44	96	471	193.590	ug/l #	14
22) Diisopropyl ether	2.95	45	334	62.449	ug/l #	34
23) Vinyl Acetate	3.39	43	1527	417.041	ug/l #	73
24) 1,1-Dichloroethane	3.06	63	629	157.514	ug/l #	88
25) 2-Butanone	4.67	43	1575	1463.427	ug/l	100
26) 2,2-Dichloropropane	3.88	77	509	224.486	ug/l	97
27) cis-1,2-Dichloroethene	3.70	96	1352	330.588	ug/l	16
28) Bromochloromethane	3.89	49	692	318.579	ug/l #	76
29) Tetrahydrofuran	3.96	42	603	1464.901	ug/l	96
30) Chloroform	4.09	83	99	17.591	ug/l	100
31) Cyclohexane	3.93	56	368	68.068	ug/l #	13
32) 1,1,1-Trichloroethane	4.30	97	312	95.215	ug/l #	57
36) 1,1-Dichloropropene	4.49	75	473	558.478	ug/l #	38
37) Ethyl Acetate	4.26	43	102	315.051	ug/l #	79
38) Carbon Tetrachloride	4.17	117	135	235.850	ug/l #	1

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39) Methylcyclohexane	5.56	83	104	98.662	ug/l #	1
40) Benzene	4.82	78	171	69.373	ug/l #	1
41) Methacrylonitrile	4.93	41	629	3494.771	ug/l #	35
42) 1,2-Dichloroethane	5.07	62	64	136.516	ug/l	69
43) Isopropyl Acetate	7.04	43	560	1309.373	ug/l #	38
44) Trichloroethene	5.63	130	103	148.062	ug/l	73
45) 1,2-Dichloropropane	6.37	63	405	654.745	ug/l #	47
46) Dibromomethane	6.19	93	61	168.908	ug/l #	4
47) Bromodichloromethane	6.53	83	234	318.155	ug/l #	1
48) Methyl methacrylate	6.83	41	628	2849.181	ug/l #	33
49) 1,4-Dioxane	6.81	88	134	46122.494	ug/l #	29
51) 4-Methyl-2-Pentanone	8.34	43	1382	4526.071	ug/l #	75
52) Toluene	7.73	92	187	140.852	ug/l #	58
53) t-1,3-Dichloropropene	8.36	75	479	785.938	ug/l	92
54) cis-1,3-Dichloropropene	7.40	75	170	192.698	ug/l #	1
55) 1,1,2-Trichloroethane	8.57	97	66	166.403	ug/l #	38
56) Ethyl methacrylate	8.69	69	531	1247.735	ug/l #	35
57) 1,3-Dichloropropane	8.92	76	303	467.810	ug/l #	52
58) 2-Chloroethyl Vinyl ether	7.39	63	107	719.414	ug/l #	51
59) 2-Hexanone	9.46	43	760	3492.037	ug/l	64
60) Dibromochloromethane	8.63	129	134	272.885	ug/l	77
61) 1,2-Dibromoethane	9.05	107	73	177.218	ug/l	84
64) Tetrachloroethene	8.30	164	435	288.818	ug/l #	1
65) Chlorobenzene	9.99	112	104	27.476	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	208	137.983	ug/l	83
67) Ethyl Benzene	10.07	91	160	24.633	ug/l #	42
68) m/p-Xylenes	10.26	106	71	28.565	ug/l #	1
69) o-Xylene	10.81	106	103	40.930	ug/l #	1
70) Styrene	10.92	104	193	52.033	ug/l #	1
71) Bromoform	10.88	173	221	305.610	ug/l #	1
73) Isopropylbenzene	11.31	105	194	13.764	ug/l	93
74) N-amyl acetate	11.47	43	730	183.763	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	11.77	83	694	230.568	ug/l #	25
76) 1,2,3-Trichloropropane	11.91	75	165	82.700	ug/l #	34
77) Bromobenzene	11.57	156	177	49.980	ug/l #	36
78) n-propylbenzene	11.68	91	140	8.226	ug/l #	1
79) 2-Chlorotoluene	11.80	91	276	28.343	ug/l #	30
80) 1,3,5-Trimethylbenzene	11.88	105	291	25.246	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.98	75	447	529.185	ug/l #	28
82) 4-Chlorotoluene	11.95	91	184	19.227	ug/l #	37
83) tert-Butylbenzene	12.22	119	73	6.392	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.26	105	154	14.091	ug/l	80
85) sec-Butylbenzene	12.38	105	639	42.459	ug/l #	1
86) p-Isopropyltoluene	12.56	119	235	18.760	ug/l #	48
87) 1,3-Dichlorobenzene	12.58	146	87	13.930	ug/l #	23
88) 1,4-Dichlorobenzene	12.58	146	87	14.926	ug/l #	23
89) n-Butylbenzene	12.90	91	276	21.903	ug/l #	24
90) Hexachloroethane	13.10	117	261	85.427	ug/l	98
91) 1,2-Dichlorobenzene	12.98	146	329	59.931	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	457	1393.608	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	163	43.245	ug/l #	10
95) Naphthalene	14.52	128	161	26.072	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.58	180	154	44.759	ug/l #	11

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

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