

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062788.D
 Acq On : 29 May 2019 18:10
 Operator : FY/SY
 Sample : K3084-03RE
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-7RE

Quant Time: May 30 08:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	127	50.00	ug/l	-0.12
34) 1,4-Difluorobenzene	5.79	114	333	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	90	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	151	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.95	65	667	743.22	ug/l	-0.09
Spiked Amount				50.000		
			Recovery	=	1486.44%	
35) Dibromofluoromethane	4.31	113	171	67.11	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	134.22%	
50) Toluene-d8	7.74	98	208	34.19	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	68.38%	
62) 4-Bromofluorobenzene	11.46	95	95	41.17	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	82.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.09	85	478	276.576	ug/l	87
3) Chloromethane	1.02	50	446	280.261	ug/l	99
4) Vinyl Chloride	1.16	62	59	40.277	ug/l #	41
5) Bromomethane	1.40	94	882	1100.626	ug/l	98
6) Chloroethane	1.44	64	211	392.203	ug/l	99
7) Trichlorofluoromethane	1.48	101	152	77.280	ug/l #	1
8) Diethyl Ether	1.67	74	79	202.747	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.85	101	143	114.180	ug/l #	7
10) Methyl Iodide	1.95	142	69	28.046	ug/l #	37
11) Tert butyl alcohol	2.63	59	295	4978.900	ug/l #	1
12) 1,1-Dichloroethene	1.80	96	367	321.683	ug/l #	1
13) Acrolein	2.12	56	704	11382.633	ug/l	93
14) Allyl chloride	2.16	41	397	384.483	ug/l #	63
15) Acrylonitrile	3.04	53	424	2536.887	ug/l #	1
16) Acetone	2.30	43	1088	4673.017	ug/l	99
17) Carbon Disulfide	1.89	76	567	167.676	ug/l #	9
18) Methyl Acetate	2.30	43	1088	2973.727	ug/l	99
19) Methyl tert-butyl Ether	2.50	73	171	83.845	ug/l #	27
20) Methylene Chloride	2.29	84	245	209.935	ug/l #	35
21) trans-1,2-Dichloroethene	2.35	96	256	229.573	ug/l #	45
22) Diisopropyl ether	2.89	45	176	69.110	ug/l #	1
23) Vinyl Acetate	3.28	43	1749	1018.091	ug/l #	73
24) 1,1-Dichloroethane	2.96	63	535	286.365	ug/l #	86
25) 2-Butanone	4.39	43	1132	2275.690	ug/l #	75
26) 2,2-Dichloropropane	3.62	77	745	696.952	ug/l	100
27) cis-1,2-Dichloroethene	3.58	96	195	106.310	ug/l	20
28) Bromochloromethane	3.85	49	610	582.174	ug/l #	49
29) Tetrahydrofuran	3.80	42	579	2876.399	ug/l	97
30) Chloroform	3.96	83	194	74.792	ug/l #	62
31) Cyclohexane	3.77	56	300	119.594	ug/l #	5
32) 1,1,1-Trichloroethane	4.25	97	491	285.026	ug/l #	23
36) 1,1-Dichloropropene	4.46	75	237	69.456	ug/l #	1
37) Ethyl Acetate	4.31	43	190	136.375	ug/l #	5
38) Carbon Tetrachloride	4.19	117	419	163.273	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.71	83	219	53.340	ug/l	94
40) Benzene	4.83	78	424	45.612	ug/l #	1
41) Methacrylonitrile	4.92	41	445	609.235	ug/l #	43
42) 1,2-Dichloroethane	5.10	62	518	279.436	ug/l #	1
43) Isopropyl Acetate	7.10	43	524	290.311	ug/l #	91
44) Trichloroethene	5.66	130	231	88.417	ug/l	1
45) 1,2-Dichloropropane	6.43	63	66	28.126	ug/l #	1
46) Dibromomethane	6.25	93	323	238.172	ug/l #	3
47) Bromodichloromethane	6.54	83	208	73.879	ug/l #	7
48) Methyl methacrylate	7.00	41	713	755.758	ug/l	92
49) 1,4-Dioxane	6.89	88	65	5379.326	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	1119	906.982	ug/l	99
52) Toluene	7.76	92	97	19.897	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	298	129.378	ug/l #	13
54) cis-1,3-Dichloropropene	7.44	75	373	115.685	ug/l #	53
55) 1,1,2-Trichloroethane	8.64	97	256	177.351	ug/l #	66
56) Ethyl methacrylate	8.74	69	297	172.704	ug/l #	41
57) 1,3-Dichloropropane	8.99	76	96	39.046	ug/l #	5
58) 2-Chloroethyl Vinyl ether	7.45	63	183	326.922	ug/l #	1
59) 2-Hexanone	9.58	43	461	599.211	ug/l	74
60) Dibromochloromethane	8.86	129	91	48.371	ug/l #	12
61) 1,2-Dibromoethane	9.08	107	227	148.058	ug/l	88
64) Tetrachloroethene	8.33	164	221	309.956	ug/l #	20
65) Chlorobenzene	9.90	112	89	50.348	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.03	131	108	152.192	ug/l	89
67) Ethyl Benzene	10.03	91	195	63.500	ug/l #	42
68) m/p-Xylenes	10.27	106	210	181.950	ug/l #	21
69) o-Xylene	10.76	106	164	137.955	ug/l	53
70) Styrene	10.86	104	189	104.599	ug/l #	30
71) Bromoform	10.91	173	60	168.819	ug/l #	27
73) Isopropylbenzene	11.21	105	206	19.035	ug/l #	45
74) N-amyl acetate	11.46	43	1119	449.490	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	11.81	83	386	174.526	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	676	465.170	ug/l	95
77) Bromobenzene	11.56	156	65	24.163	ug/l #	59
78) n-propylbenzene	11.74	91	409	31.933	ug/l	92
79) 2-Chlorotoluene	11.79	91	238	32.973	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.02	105	143	16.479	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.97	75	293	453.581	ug/l #	1
82) 4-Chlorotoluene	12.01	91	605	84.995	ug/l	81
83) tert-Butylbenzene	12.19	119	85	9.655	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.26	105	73	8.691	ug/l #	25
85) sec-Butylbenzene	12.38	105	343	29.030	ug/l #	54
86) p-Isopropyltoluene	12.52	119	61	6.126	ug/l #	49
87) 1,3-Dichlorobenzene	12.44	146	96	19.725	ug/l #	23
88) 1,4-Dichlorobenzene	12.73	146	88	19.267	ug/l #	24
89) n-Butylbenzene	12.90	91	613	62.439	ug/l #	25
90) Hexachloroethane	13.06	117	81	33.910	ug/l	83
91) 1,2-Dichlorobenzene	12.97	146	63	14.521	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.69	75	573	2171.701	ug/l #	3

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	111	35.744	ug/l #	11
94) Hexachlorobutadiene	14.29	225	63	29.070	ug/l #	16
95) Naphthalene	14.49	128	222	39.350	ug/l #	18
96) 1,2,3-Trichlorobenzene	14.64	180	99	33.657	ug/l #	11

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

