

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062789.D
 Acq On : 29 May 2019 18:37
 Operator : FY/SY
 Sample : K3084-05RE
 Misc : 5.86g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-8RE

Quant Time: May 30 08:42:46 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	5.15	168	537	50.00	ug/l	0.08
34) 1,4-Difluorobenzene	5.67	114	295	50.00	ug/l	-0.12
63) Chlorobenzene-d5	9.74	117	66	50.00	ug/l	-0.18
72) 1,4-Dichlorobenzene-d4	12.58	152	242	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.11	65	305	80.38	ug/l	0.07
Spiked Amount			Recovery	=	160.76%	
35) Dibromofluoromethane	4.21	113	148	65.56	ug/l	-0.11
Spiked Amount			Recovery	=	131.12%	
50) Toluene-d8	7.57	98	151	28.02	ug/l	-0.15
Spiked Amount			Recovery	=	56.04%	
62) 4-Bromofluorobenzene	11.27	95	353	172.69	ug/l	-0.24
Spiked Amount			Recovery	=	345.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.92	85	622	85.115	ug/l	80
3) Chloromethane	1.12	50	685	101.800	ug/l	92
4) Vinyl Chloride	1.30	62	572	92.350	ug/l	100
5) Bromomethane	1.44	94	452	133.395	ug/l	83
6) Chloroethane	1.48	64	593	260.683	ug/l #	20
7) Trichlorofluoromethane	1.52	101	77	9.259	ug/l #	21
8) Diethyl Ether	1.70	74	148	89.829	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	160	30.214	ug/l #	40
10) Methyl Iodide	2.03	142	251	24.128	ug/l #	37
11) Tert butyl alcohol	2.75	59	247	985.911	ug/l #	70
12) 1,1-Dichloroethene	1.79	96	812	168.325	ug/l	95
13) Acrolein	2.13	56	402	1537.183	ug/l	84
14) Allyl chloride	2.22	41	1244	284.929	ug/l #	42
15) Acrylonitrile	3.18	53	638	902.787	ug/l #	13
16) Acetone	2.39	43	370	375.837	ug/l	96
17) Carbon Disulfide	1.97	76	554	38.746	ug/l #	72
18) Methyl Acetate	2.54	43	1105	714.272	ug/l #	52
19) Methyl tert-butyl Ether	2.63	73	619	71.779	ug/l	99
20) Methylene Chloride	2.40	84	119	24.115	ug/l #	52
21) trans-1,2-Dichloroethene	2.49	96	808	171.365	ug/l #	1
22) Diisopropyl ether	2.98	45	258	23.959	ug/l #	17
23) Vinyl Acetate	3.36	43	1209	166.438	ug/l #	77
24) 1,1-Dichloroethane	3.06	63	558	70.637	ug/l #	1
25) 2-Butanone	4.62	43	846	402.223	ug/l #	88
26) 2,2-Dichloropropane	3.81	77	699	154.651	ug/l	77
27) cis-1,2-Dichloroethene	3.72	96	620	79.939	ug/l	1
28) Bromochloromethane	3.95	49	770	173.797	ug/l #	40
29) Tetrahydrofuran	4.33	42	969	1138.476	ug/l #	59
30) Chloroform	4.13	83	321	29.267	ug/l #	16
31) Cyclohexane	3.91	56	594	56.002	ug/l #	15
32) 1,1,1-Trichloroethane	4.35	97	386	52.993	ug/l #	1
36) 1,1-Dichloropropene	4.24	75	1233	407.895	ug/l	92
37) Ethyl Acetate	4.20	43	1644	1332.005	ug/l #	10
38) Carbon Tetrachloride	4.12	117	476	209.377	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.51	83	373	102.550	ug/l #	46
40) Benzene	4.74	78	248	30.115	ug/l #	1
41) Methacrylonitrile	4.82	41	589	910.253	ug/l #	22
42) 1,2-Dichloroethane	5.00	62	281	171.112	ug/l	71
43) Isopropyl Acetate	6.95	43	1093	683.556	ug/l #	43
44) Trichloroethene	5.54	130	157	67.833	ug/l	1
45) 1,2-Dichloropropane	6.37	63	572	275.157	ug/l	92
46) Dibromomethane	6.11	93	186	154.819	ug/l #	35
47) Bromodichloromethane	6.41	83	557	223.325	ug/l #	25
48) Methyl methacrylate	6.75	41	1523	1822.282	ug/l #	58
49) 1,4-Dioxane	6.73	88	87	8127.481	ug/l #	1
51) 4-Methyl-2-Pentanone	8.21	43	1641	1501.411	ug/l #	32
52) Toluene	7.72	92	211	48.856	ug/l	77
53) t-1,3-Dichloropropene	8.26	75	480	235.237	ug/l #	4
54) cis-1,3-Dichloropropene	7.32	75	399	139.689	ug/l #	10
55) 1,1,2-Trichloroethane	8.51	97	351	274.488	ug/l #	27
56) Ethyl methacrylate	8.57	69	652	427.971	ug/l #	1
57) 1,3-Dichloropropane	8.75	76	689	316.333	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.32	63	131	264.172	ug/l #	51
59) 2-Hexanone	9.38	43	273	394.193	ug/l	66
60) Dibromochloromethane	8.65	129	75	45.001	ug/l	92
61) 1,2-Dibromoethane	9.08	107	96	70.681	ug/l	98
64) Tetrachloroethene	8.29	164	124	237.153	ug/l #	37
65) Chlorobenzene	9.92	112	179	138.085	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	9.95	131	194	372.793	ug/l	58
67) Ethyl Benzene	10.02	91	73	32.416	ug/l #	1
68) m/p-Xylenes	10.26	106	274	323.729	ug/l #	1
69) o-Xylene	10.96	106	63	72.266	ug/l	64
70) Styrene	10.90	104	309	233.197	ug/l #	56
71) Bromoform	10.78	173	66	253.228	ug/l #	27
73) Isopropylbenzene	11.19	105	225	12.972	ug/l #	45
74) N-amyl acetate	11.47	43	625	152.709	ug/l #	34
75) 1,1,2,2-Tetrachloroethane	11.77	83	134	37.804	ug/l #	23
76) 1,2,3-Trichloropropane	11.92	75	431	185.056	ug/l	68
77) Bromobenzene	11.55	156	87	20.179	ug/l #	69
78) n-propylbenzene	11.79	91	482	23.482	ug/l	97
79) 2-Chlorotoluene	11.79	91	482	41.666	ug/l	75
80) 1,3,5-Trimethylbenzene	11.95	105	542	38.971	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.97	75	235	226.995	ug/l #	26
82) 4-Chlorotoluene	11.97	91	449	39.359	ug/l #	37
83) tert-Butylbenzene	12.24	119	233	16.513	ug/l #	52
84) 1,2,4-Trimethylbenzene	12.30	105	344	25.556	ug/l	80
85) sec-Butylbenzene	12.35	105	368	19.434	ug/l #	16
86) p-Isopropyltoluene	12.51	119	257	16.105	ug/l #	49
87) 1,3-Dichlorobenzene	12.60	146	98	12.564	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	195	26.640	ug/l #	24
89) n-Butylbenzene	12.89	91	643	40.867	ug/l #	25
90) Hexachloroethane	13.00	117	80	20.898	ug/l #	20
91) 1,2-Dichlorobenzene	13.01	146	80	11.506	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.66	75	60	141.892	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	205	41.190	ug/l #	11
94) Hexachlorobutadiene	14.23	225	61	17.563	ug/l #	16
95) Naphthalene	14.51	128	113	12.498	ug/l #	15
96) 1,2,3-Trichlorobenzene	14.56	180	73	15.485	ug/l #	1

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

