

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062732.D
 Acq On : 23 May 2019 17:42
 Operator : FY/SY
 Sample : K3019-01
 Misc : 8.57g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3422

Quant Time: May 24 02:15:55 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	5.07	168	409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.95	114	118	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.18	117	253	50.00	ug/l	0.27
72) 1,4-Dichlorobenzene-d4	12.67	152	492	50.00	ug/l	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	259	89.61	ug/l	0.03
Spiked Amount			Recovery	=	179.22%	
35) Dibromofluoromethane	4.45	113	238	263.58	ug/l	0.13
Spiked Amount			Recovery	=	527.16%	
50) Toluene-d8	7.96	98	358	166.06	ug/l	0.24
Spiked Amount			Recovery	=	332.12%	
62) 4-Bromofluorobenzene	11.84	95	299	365.68	ug/l	0.33
Spiked Amount			Recovery	=	731.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.86	85	802	144.092	ug/l	83
3) Chloromethane	1.17	50	698	136.196	ug/l #	43
4) Vinyl Chloride	1.15	62	59	12.507	ug/l #	1
5) Bromomethane	1.41	94	817	316.573	ug/l	91
6) Chloroethane	1.45	64	321	185.274	ug/l #	56
7) Trichlorofluoromethane	1.65	101	413	65.201	ug/l	98
8) Diethyl Ether	1.71	74	187	149.021	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.89	101	109	27.025	ug/l #	19
10) Methyl Iodide	1.95	142	430	54.271	ug/l #	69
11) Tert butyl alcohol	2.70	59	387	2028.162	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	551	149.966	ug/l #	5
13) Acrolein	1.97	56	732	3675.036	ug/l	98
14) Allyl chloride	2.18	41	383	115.177	ug/l #	63
15) Acrylonitrile	3.21	53	368	683.697	ug/l	92
16) Acetone	2.31	43	680	906.897	ug/l	96
17) Carbon Disulfide	1.90	76	520	47.750	ug/l #	30
18) Methyl Acetate	2.31	43	680	577.114	ug/l	98
19) Methyl tert-butyl Ether	2.57	73	1274	193.967	ug/l #	88
20) Methylene Chloride	2.33	84	76	20.221	ug/l #	1
21) trans-1,2-Dichloroethene	2.43	96	1036	288.483	ug/l #	31
22) Diisopropyl ether	2.96	45	1080	131.683	ug/l #	43
23) Vinyl Acetate	3.37	43	777	140.442	ug/l #	59
24) 1,1-Dichloroethane	3.00	63	677	112.522	ug/l #	86
25) 2-Butanone	4.52	43	944	589.276	ug/l	99
26) 2,2-Dichloropropane	3.81	77	555	161.220	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	1199	202.974	ug/l	14
28) Bromochloromethane	3.91	49	372	110.242	ug/l #	3
29) Tetrahydrofuran	4.19	42	649	1001.142	ug/l	90
30) Chloroform	4.08	83	445	53.271	ug/l #	16
31) Cyclohexane	3.87	56	701	86.773	ug/l #	29
32) 1,1,1-Trichloroethane	4.31	97	129	23.253	ug/l #	65
36) 1,1-Dichloropropene	4.59	75	196	162.099	ug/l #	1
37) Ethyl Acetate	4.45	43	1102	2232.161	ug/l #	1
38) Carbon Tetrachloride	4.32	117	136	149.555	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.80	83	282	193.828	ug/l #	1
40) Benzene	4.99	78	327	99.271	ug/l #	1
41) Methacrylonitrile	5.12	41	1401	5412.840	ug/l #	43
42) 1,2-Dichloroethane	5.27	62	86	130.922	ug/l #	71
43) Isopropyl Acetate	7.34	43	200	312.697	ug/l #	89
44) Trichloroethene	5.89	130	93	100.454	ug/l #	42
45) 1,2-Dichloropropane	6.62	63	143	171.973	ug/l #	42
46) Dibromomethane	6.44	93	172	357.915	ug/l #	3
47) Bromodichloromethane	6.73	83	376	376.886	ug/l #	25
48) Methyl methacrylate	7.11	41	109	326.048	ug/l #	13
49) 1,4-Dioxane	7.06	88	187	43673.532	ug/l #	12
51) 4-Methyl-2-Pentanone	8.67	43	1335	3053.600	ug/l #	32
52) Toluene	8.04	92	146	84.514	ug/l #	1
53) t-1,3-Dichloropropene	8.75	75	422	517.032	ug/l #	90
54) cis-1,3-Dichloropropene	7.70	75	377	329.968	ug/l #	42
55) 1,1,2-Trichloroethane	8.90	97	205	400.783	ug/l #	57
56) Ethyl methacrylate	9.00	69	305	500.503	ug/l #	55
57) 1,3-Dichloropropane	9.26	76	93	106.745	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.64	63	237	1194.823	ug/l #	51
59) 2-Hexanone	9.74	43	359	1339.835	ug/l #	74
60) Dibromochloromethane	9.11	129	112	168.005	ug/l #	12
61) 1,2-Dibromoethane	9.55	107	82	150.933	ug/l #	98
64) Tetrachloroethene	8.36	164	141	70.348	ug/l #	1
65) Chlorobenzene	9.98	112	73	14.691	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	173	86.723	ug/l #	18
67) Ethyl Benzene	10.02	91	308	35.679	ug/l #	42
68) m/p-Xylenes	10.12	106	83	25.582	ug/l #	82
69) o-Xylene	10.95	106	129	38.601	ug/l #	37
70) Styrene	10.87	104	170	33.469	ug/l #	33
71) Bromoform	10.88	173	102	102.092	ug/l #	69
73) Isopropylbenzene	11.11	105	544	15.427	ug/l #	76
74) N-amyl acetate	11.41	43	1337	160.998	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.79	83	164	22.758	ug/l #	23
76) 1,2,3-Trichloropropane	11.92	75	360	76.029	ug/l #	1
77) Bromobenzene	11.60	156	173	19.737	ug/l #	57
78) n-propylbenzene	11.66	91	311	7.452	ug/l #	50
79) 2-Chlorotoluene	11.81	91	391	16.625	ug/l #	78
80) 1,3,5-Trimethylbenzene	11.92	105	492	17.401	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.92	75	360	171.041	ug/l #	26
82) 4-Chlorotoluene	11.81	91	222	9.572	ug/l #	82
83) tert-Butylbenzene	12.18	119	213	7.425	ug/l #	41
84) 1,2,4-Trimethylbenzene	12.27	105	99	3.618	ug/l #	1
85) sec-Butylbenzene	12.51	105	235	6.104	ug/l #	82
86) p-Isopropyltoluene	12.55	119	216	6.658	ug/l #	1
87) 1,3-Dichlorobenzene	12.49	146	72	4.540	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	185	12.432	ug/l #	73
89) n-Butylbenzene	12.90	91	318	9.941	ug/l #	66
90) Hexachloroethane	12.87	117	106	13.620	ug/l #	88
91) 1,2-Dichlorobenzene	12.98	146	93	6.579	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	450	523.444	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	280	27.673	ug/l #	11
94) Hexachlorobutadiene	14.13	225	67	9.488	ug/l #	16
95) Naphthalene	14.50	128	144	7.834	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.59	180	99	10.330	ug/l #	11

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

