

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062794.D
 Acq On : 30 May 2019 14:35
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 31 03:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	994705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1660030	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	1137133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	530471	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	65708	9.15	ug/l	0.00
Spiked Amount			Recovery	=	18.30%	
35) Dibromofluoromethane	4.33	113	127366	9.88	ug/l	0.00
Spiked Amount			Recovery	=	19.76%	
50) Toluene-d8	7.73	98	330216	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
62) 4-Bromofluorobenzene	11.51	95	104546	9.13	ug/l	0.00
Spiked Amount			Recovery	=	18.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	146086	10.197	ug/l	89
3) Chloromethane	1.16	50	110041	9.797	ug/l	96
4) Vinyl Chloride	1.20	62	111513	10.305	ug/l	95
5) Bromomethane	1.41	94	62612	9.847	ug/l	86
6) Chloroethane	1.46	64	44118	10.694	ug/l #	79
7) Trichlorofluoromethane	1.57	101	154793m	10.161	ug/l	
8) Diethyl Ether	1.72	74	29828	9.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.95	101	105768	10.697	ug/l #	92
10) Methyl Iodide	2.00	142	199156m	10.390	ug/l	
11) Tert butyl alcohol	2.71	59	22493	51.099	ug/l	96
12) 1,1-Dichloroethene	1.90	96	90856	10.427	ug/l	92
13) Acrolein	2.11	56	7735	45.617	ug/l	99
14) Allyl chloride	2.21	41	63128	9.917	ug/l	93
15) Acrylonitrile	3.11	53	115739	70.762	ug/l	84
16) Acetone	2.36	43	88734	53.148	ug/l	97
17) Carbon Disulfide	1.94	76	270907m	14.185	ug/l	
18) Methyl Acetate	2.49	43	28973	8.930	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	161943	10.232	ug/l	93
20) Methylene Chloride	2.37	84	103713m	10.550	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	89724m	9.876	ug/l	
22) Diisopropyl ether	2.95	45	190775	10.199	ug/l	96
23) Vinyl Acetate	3.37	43	684368	49.696	ug/l	98
24) 1,1-Dichloroethane	3.03	63	149896	10.571	ug/l	99
25) 2-Butanone	4.56	43	200812	50.634	ug/l #	88
26) 2,2-Dichloropropane	3.80	77	82459	9.836	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	145826	9.940	ug/l	91
28) Bromochloromethane	3.93	49	75646	9.397	ug/l	92
29) Tetrahydrofuran	4.29	42	72690	49.610	ug/l	95
30) Chloroform	4.06	83	208745	10.065	ug/l	93
31) Cyclohexane	3.90	56	204790m	10.390	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	125580	10.951	ug/l #	86
36) 1,1-Dichloropropene	4.49	75	165995	10.257	ug/l	97
37) Ethyl Acetate	4.33	43	62702	9.614	ug/l #	90
38) Carbon Tetrachloride	4.20	117	109529	10.113	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	206154	10.448	ug/l	96
40) Benzene	4.84	78	493215	10.330	ug/l	99
41) Methacrylonitrile	4.95	41	36011	10.166	ug/l #	89
42) 1,2-Dichloroethane	5.15	62	89743	10.113	ug/l	97
43) Isopropyl Acetate	7.13	43	75815	9.379	ug/l #	98
44) Trichloroethene	5.70	130	138385	10.345	ug/l	89
45) 1,2-Dichloropropane	6.43	63	122661	10.433	ug/l	99
46) Dibromomethane	6.28	93	67633	9.896	ug/l	94
47) Bromodichloromethane	6.57	83	136163	9.780	ug/l	97
48) Methyl methacrylate	6.89	41	38314	9.298	ug/l #	88
49) 1,4-Dioxane	6.89	88	8930	179.673	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	309720	49.812	ug/l	97
52) Toluene	7.80	92	256134	10.250	ug/l	87
53) t-1,3-Dichloropropene	8.44	75	116702	10.125	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	161872	9.703	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	76809	10.041	ug/l	95
56) Ethyl methacrylate	8.78	69	73434	9.358	ug/l	95
57) 1,3-Dichloropropane	9.01	76	114740	9.219	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.47	63	136411	49.085	ug/l	99
59) 2-Hexanone	9.64	43	207275	47.645	ug/l	99
60) Dibromochloromethane	8.88	129	86695	9.395	ug/l	98
61) 1,2-Dibromoethane	9.15	107	70322	9.308	ug/l	100
64) Tetrachloroethene	8.32	164	102631	10.817	ug/l #	82
65) Chlorobenzene	9.95	112	237354	10.294	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	92505	10.270	ug/l	95
67) Ethyl Benzene	10.05	91	435109	10.826	ug/l	93
68) m/p-Xylenes	10.27	106	317454	21.170	ug/l	80
69) o-Xylene	10.84	106	162506	10.691	ug/l	98
70) Styrene	10.91	104	233342	10.441	ug/l	98
71) Bromoform	10.90	173	43766	9.994	ug/l #	93
73) Isopropylbenzene	11.23	105	420344	10.474	ug/l	90
74) N-amyl acetate	11.46	43	126039	11.071	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	88000	10.148	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	56242	10.084	ug/l	93
77) Bromobenzene	11.60	156	101624	10.340	ug/l	96
78) n-propylbenzene	11.68	91	535315	10.748	ug/l	89
79) 2-Chlorotoluene	11.81	91	282044	10.338	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	342382	10.465	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.95	75	20850m	7.159	ug/l	
82) 4-Chlorotoluene	11.98	91	279140	10.324	ug/l	94
83) tert-Butylbenzene	12.21	119	330594	10.403	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	338646	10.844	ug/l	87
85) sec-Butylbenzene	12.37	105	454190	10.460	ug/l	92
86) p-Isopropyltoluene	12.53	119	390486	10.931	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	187856	10.645	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	175158	10.646	ug/l	96
89) n-Butylbenzene	12.91	91	410591	11.150	ug/l	86
90) Hexachloroethane	12.99	117	88324	10.413	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	168508	10.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9636	10.439	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	112657	10.713	ug/l	94
94) Hexachlorobutadiene	14.24	225	77422	10.716	ug/l	91
95) Naphthalene	14.50	128	166277	9.956	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	97070	10.428	ug/l	94

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

