

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062652.D
 Acq On : 20 May 2019 10:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 21 03:11:06 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	5.06	168	955427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1587323	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1173886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	581819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	309855	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
35) Dibromofluoromethane	4.31	113	557314	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
50) Toluene-d8	7.71	98	1410444	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	11.49	95	558917	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	554471	42.645	ug/l	95
3) Chloromethane	1.15	50	470713	39.318	ug/l	95
4) Vinyl Chloride	1.19	62	453306	41.135	ug/l	100
5) Bromomethane	1.41	94	293056	48.610	ug/l	95
6) Chloroethane	1.46	64	180564	44.613	ug/l #	88
7) Trichlorofluoromethane	1.57	101	601233m	40.633	ug/l	
8) Diethyl Ether	1.72	74	124509	42.475	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	388164	41.198	ug/l	94
10) Methyl Iodide	2.00	142	808201m	43.666	ug/l	
11) Tert butyl alcohol	2.71	59	109432	245.506	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	356215	41.503	ug/l	96
13) Acrolein	2.10	56	102417	220.114	ug/l	95
14) Allyl chloride	2.20	41	235485	30.315	ug/l	98
15) Acrylonitrile	3.09	53	485538	386.158	ug/l #	93
16) Acetone	2.35	43	521549	297.762	ug/l #	86
17) Carbon Disulfide	1.91	76	1069867m	42.056	ug/l	
18) Methyl Acetate	2.47	43	139353	50.628	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	731294	47.662	ug/l	99
20) Methylene Chloride	2.36	84	350399m	39.911	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	393302m	46.883	ug/l	
22) Diisopropyl ether	2.94	45	896342	46.785	ug/l	97
23) Vinyl Acetate	3.34	43	3341465	258.547	ug/l	98
24) 1,1-Dichloroethane	3.01	63	592707	42.171	ug/l	98
25) 2-Butanone	4.53	43	1051142	280.889	ug/l	100
26) 2,2-Dichloropropane	3.78	77	339580	42.227	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	663796	48.104	ug/l	94
28) Bromochloromethane	3.90	49	334401	42.423	ug/l	99
29) Tetrahydrofuran	4.27	42	395798	261.367	ug/l	99
30) Chloroform	4.05	83	943373	48.344	ug/l	99
31) Cyclohexane	3.87	56	911184m	48.284	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	672111m	51.862	ug/l	
36) 1,1-Dichloropropene	4.47	75	789878	48.563	ug/l	94
37) Ethyl Acetate	4.30	43	338216	50.928	ug/l #	74
38) Carbon Tetrachloride	4.18	117	497740	40.689	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	998332	51.011	ug/l	97
40) Benzene	4.82	78	2215041	49.989	ug/l	98
41) Methacrylonitrile	4.93	41	183883	52.814	ug/l	97
42) 1,2-Dichloroethane	5.13	62	447116	50.600	ug/l	93
43) Isopropyl Acetate	7.12	43	436995	50.791	ug/l #	95
44) Trichloroethene	5.68	130	622938	50.020	ug/l	94
45) 1,2-Dichloropropane	6.41	63	562935	50.327	ug/l	98
46) Dibromomethane	6.26	93	330387	51.108	ug/l	95
47) Bromodichloromethane	6.56	83	702076	52.315	ug/l	97
48) Methyl methacrylate	6.88	41	243169	54.073	ug/l	99
49) 1,4-Dioxane	6.87	88	62668	1088.026	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	1427829	242.786	ug/l	100
52) Toluene	7.78	92	1214505	52.262	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	607549	55.335	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	820026	53.355	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	361901	52.597	ug/l	96
56) Ethyl methacrylate	8.75	69	419054	51.120	ug/l	98
57) 1,3-Dichloropropane	8.99	76	612827	52.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.44	63	682332	255.722	ug/l	97
59) 2-Hexanone	9.62	43	1144003	302.748	ug/l	95
60) Dibromochloromethane	8.85	129	507132	56.551	ug/l	97
61) 1,2-Dibromoethane	9.13	107	393387	53.828	ug/l	98
64) Tetrachloroethene	8.30	164	511011	54.948	ug/l	96
65) Chlorobenzene	9.94	112	1223788	53.078	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	503323	54.379	ug/l	98
67) Ethyl Benzene	10.03	91	2036179	50.836	ug/l	99
68) m/p-Xylenes	10.26	106	1532828	101.822	ug/l	100
69) o-Xylene	10.81	106	874577	56.404	ug/l	96
70) Styrene	10.89	104	1285960	54.564	ug/l	99
71) Bromoform	10.87	173	295374	63.717	ug/l #	96
73) Isopropylbenzene	11.21	105	2208226	52.955	ug/l	100
74) N-amyl acetate	11.45	43	625230	60.008	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	466042	54.687	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	304579	54.394	ug/l	95
77) Bromobenzene	11.58	156	579419	55.900	ug/l	89
78) n-propylbenzene	11.67	91	2495842	50.574	ug/l	100
79) 2-Chlorotoluene	11.80	91	1503798	54.070	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1754031	52.458	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	147805m	59.383	ug/l	
82) 4-Chlorotoluene	11.97	91	1427112	52.034	ug/l	98
83) tert-Butylbenzene	12.19	119	1815521	53.518	ug/l	96
84) 1,2,4-Trimethylbenzene	12.26	105	1626392	50.256	ug/l	98
85) sec-Butylbenzene	12.37	105	2277968	50.037	ug/l	96
86) p-Isopropyltoluene	12.52	119	1973680	51.442	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	964291	51.421	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	889776	50.560	ug/l	97
89) n-Butylbenzene	12.89	91	1871800	49.482	ug/l	99
90) Hexachloroethane	12.97	117	510228	55.437	ug/l	74
91) 1,2-Dichlorobenzene	12.99	146	863438	51.652	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	62486	61.463	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	701634	58.638	ug/l	96
94) Hexachlorobutadiene	14.23	225	499706	59.843	ug/l	96
95) Naphthalene	14.49	128	1209882	55.658	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	672160	59.306	ug/l	97

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

