

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062586.D
 Acq On : 14 May 2019 16:52
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: May 15 04:56:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	582315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.81	114	989696	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	718548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	367967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	215789	34.21	ug/l	0.00
Spiked Amount			Recovery	=	68.42%	
35) Dibromofluoromethane	4.34	113	363320	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	7.74	98	876585	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	
62) 4-Bromofluorobenzene	11.51	95	305535	36.88	ug/l	0.00
Spiked Amount			Recovery	=	73.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	249459	31.126	ug/l	100
3) Chloromethane	1.15	50	285493	40.895	ug/l	100
4) Vinyl Chloride	1.20	62	292259	42.250	ug/l	100
5) Bromomethane	1.39	94	148708	27.380	ug/l	100
6) Chloroethane	1.45	64	113489	31.773	ug/l	100
7) Trichlorofluoromethane	1.57	101	407944	40.604	ug/l	100
8) Diethyl Ether	1.72	74	90531	42.550	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	284560	43.395	ug/l	100
10) Methyl Iodide	1.99	142	489827	44.010	ug/l	100
11) Tert butyl alcohol	2.71	59	64387	217.614	ug/l	100
12) 1,1-Dichloroethene	1.88	96	244623	41.199	ug/l	100
13) Acrolein	2.12	56	28209	98.733	ug/l	100
14) Allyl chloride	2.22	41	259239m	34.551	ug/l	
15) Acrylonitrile	3.10	53	183304	207.134	ug/l	100
16) Acetone	2.37	43	223087	183.162	ug/l	100
17) Carbon Disulfide	1.92	76	563198	30.949	ug/l	100
18) Methyl Acetate	2.47	43	91985	31.171	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	466800	43.468	ug/l	100
20) Methylene Chloride	2.31	84	261301m	36.652	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	229141	42.896	ug/l	100
22) Diisopropyl ether	2.96	45	623026	35.940	ug/l	100
23) Vinyl Acetate	3.37	43	1719084	206.274	ug/l	100
24) 1,1-Dichloroethane	3.04	63	441986	42.186	ug/l	100
25) 2-Butanone	4.54	43	499593	218.623	ug/l	100
26) 2,2-Dichloropropane	3.80	77	249814	44.902	ug/l	100
27) cis-1,2-Dichloroethene	3.68	96	352693	49.846	ug/l	100
28) Bromochloromethane	3.93	49	266720	56.366	ug/l	100
29) Tetrahydrofuran	4.29	42	207080	209.935	ug/l	100
30) Chloroform	4.08	83	558496	44.235	ug/l	100
31) Cyclohexane	3.91	56	425400	41.150	ug/l	100
32) 1,1,1-Trichloroethane	4.32	97	374443	44.993	ug/l	100
36) 1,1-Dichloropropene	4.50	75	386391	36.105	ug/l	100
37) Ethyl Acetate	4.33	43	166495	33.627	ug/l	100
38) Carbon Tetrachloride	4.22	117	320278	38.779	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	440036	40.664	ug/l	100
40) Benzene	4.85	78	1118433	46.378	ug/l	100
41) Methacrylonitrile	4.97	41	98147	35.175	ug/l	100
42) 1,2-Dichloroethane	5.15	62	236705	28.066	ug/l	100
43) Isopropyl Acetate	7.14	43	192390	36.000	ug/l	100
44) Trichloroethene	5.72	130	298871	40.967	ug/l	100
45) 1,2-Dichloropropane	6.44	63	282116	49.156	ug/l	100
46) Dibromomethane	6.29	93	165553	43.308	ug/l	100
47) Bromodichloromethane	6.57	83	358645	35.532	ug/l	100
48) Methyl methacrylate	6.90	41	107662	27.128	ug/l	100
49) 1,4-Dioxane	6.90	88	25902	1003.078	ug/l	100
51) 4-Methyl-2-Pentanone	8.43	43	727536	180.504	ug/l	100
52) Toluene	7.81	92	572281	38.252	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	280917	34.674	ug/l	100
54) cis-1,3-Dichloropropene	7.48	75	399127	39.693	ug/l	100
55) 1,1,2-Trichloroethane	8.66	97	177796	42.479	ug/l	100
56) Ethyl methacrylate	8.78	69	191387	34.890	ug/l	100
57) 1,3-Dichloropropane	9.02	76	285513	40.509	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	307435	354.383	ug/l	100
59) 2-Hexanone	9.64	43	477302	168.164	ug/l	100
60) Dibromochloromethane	8.88	129	227687	38.198	ug/l	100
61) 1,2-Dibromoethane	9.16	107	174459	39.634	ug/l	100
64) Tetrachloroethene	8.33	164	213795	40.835	ug/l	100
65) Chlorobenzene	9.96	112	588500	42.595	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	250654	42.036	ug/l	100
67) Ethyl Benzene	10.05	91	1079740	40.430	ug/l	100
68) m/p-Xylenes	10.28	106	757187	79.125	ug/l	100
69) o-Xylene	10.83	106	405383	42.114	ug/l	100
70) Styrene	10.91	104	613448	41.650	ug/l	100
71) Bromoform	10.90	173	124071	40.730	ug/l	100
73) Isopropylbenzene	11.23	105	1140083	38.384	ug/l	100
74) N-amyl acetate	11.46	43	278802	35.074	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	228134	47.030	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	144502	39.689	ug/l	100
77) Bromobenzene	11.59	156	257354	40.921	ug/l	100
78) n-propylbenzene	11.69	91	1311679	37.948	ug/l	100
79) 2-Chlorotoluene	11.81	91	737490	37.353	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	886274	35.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	64269m	43.889	ug/l	
82) 4-Chlorotoluene	11.99	91	713842	35.764	ug/l	100
83) tert-Butylbenzene	12.21	119	951211	37.961	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	865250	35.095	ug/l	100
85) sec-Butylbenzene	12.38	105	1253679	39.270	ug/l	100
86) p-Isopropyltoluene	12.53	119	1051980	37.091	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	495739	41.637	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	468440	38.817	ug/l	100
89) n-Butylbenzene	12.91	91	1072574	38.887	ug/l	100
90) Hexachloroethane	12.98	117	268261	40.264	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	448984	39.826	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	30720	30.507	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	315116	38.300	ug/l	100
94) Hexachlorobutadiene	14.24	225	226717	42.456	ug/l	100
95) Naphthalene	14.51	128	533544	39.574	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	292908	40.806	ug/l	100

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

