

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062918.D
 Acq On : 10 Jun 2019 20:45
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:57 PM

Quant Time: Jun 11 02:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	826476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1383372	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1064275	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	461638	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	305672	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
35) Dibromofluoromethane	4.32	113	575880	55.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.18%	
50) Toluene-d8	7.72	98	1389178	52.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	11.49	95	446146	46.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	403772	42.534	ug/l	95
3) Chloromethane	1.15	50	404834	47.340	ug/l	93
4) Vinyl Chloride	1.20	62	394964	46.477	ug/l	93
5) Bromomethane	1.41	94	245053	50.564	ug/l	90
6) Chloroethane	1.46	64	161112	50.707	ug/l	97
7) Trichlorofluoromethane	1.57	101	590071m	49.048	ug/l	
8) Diethyl Ether	1.72	74	128026	54.090	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	368360	48.702	ug/l	96
10) Methyl Iodide	2.00	142	744453	49.089	ug/l	97
11) Tert butyl alcohol	2.70	59	103929	300.184	ug/l	99
12) 1,1-Dichloroethene	1.89	96	335664	48.873	ug/l	91
13) Acrolein	2.10	56	42183	306.847	ug/l	95
14) Allyl chloride	2.21	41	322789	60.581	ug/l	96
15) Acrylonitrile	3.10	53	425876	327.360	ug/l	94
16) Acetone	2.36	43	350928	268.280	ug/l	99
17) Carbon Disulfide	1.93	76	942181	46.936	ug/l	98
18) Methyl Acetate	2.47	43	152959	66.916	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	662473	53.240	ug/l	98
20) Methylene Chloride	2.36	84	357546m	54.876	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	343032	49.814	ug/l	97
22) Diisopropyl ether	2.95	45	863119	57.017	ug/l	98
23) Vinyl Acetate	3.35	43	2789576	269.172	ug/l	99
24) 1,1-Dichloroethane	3.03	63	620230	54.875	ug/l	99
25) 2-Butanone	4.54	43	797556	261.821	ug/l	99
26) 2,2-Dichloropropane	3.79	77	339251	52.862	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	617640	53.358	ug/l	97
28) Bromochloromethane	3.91	49	330774	53.802	ug/l	97
29) Tetrahydrofuran	4.28	42	345409	296.468	ug/l	99
30) Chloroform	4.06	83	841534	52.829	ug/l	95
31) Cyclohexane	3.89	56	739173m	48.305	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	539155	58.132	ug/l	96
36) 1,1-Dichloropropene	4.49	75	669557	52.575	ug/l	98
37) Ethyl Acetate	4.32	43	282094	57.946	ug/l	100
38) Carbon Tetrachloride	4.20	117	444858	51.686	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	809972	51.102	ug/l	97
40) Benzene	4.83	78	1869523	50.440	ug/l	99
41) Methacrylonitrile	4.95	41	151701	56.054	ug/l	93
42) 1,2-Dichloroethane	5.14	62	391092	55.479	ug/l	99
43) Isopropyl Acetate	7.13	43	324800	50.506	ug/l #	98
44) Trichloroethene	5.70	130	552226	52.792	ug/l	96
45) 1,2-Dichloropropane	6.42	63	505159	54.312	ug/l	97
46) Dibromomethane	6.27	93	294666	54.263	ug/l	95
47) Bromodichloromethane	6.57	83	593723	53.685	ug/l	97
48) Methyl methacrylate	6.88	41	185501	55.970	ug/l	93
49) 1,4-Dioxane	6.88	88	51230	1172.685	ug/l #	78
51) 4-Methyl-2-Pentanone	8.41	43	1196462	260.592	ug/l	100
52) Toluene	7.79	92	1043245	52.259	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	481562	52.548	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	669763	50.489	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	323966	54.321	ug/l	97
56) Ethyl methacrylate	8.76	69	336581	52.598	ug/l	98
57) 1,3-Dichloropropane	9.00	76	530392	54.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	690712	308.845	ug/l	99
59) 2-Hexanone	9.63	43	841368	257.099	ug/l	99
60) Dibromochloromethane	8.87	129	415889	56.325	ug/l	98
61) 1,2-Dibromoethane	9.14	107	340190	54.923	ug/l	98
64) Tetrachloroethene	8.31	164	412933	50.491	ug/l	98
65) Chlorobenzene	9.94	112	1040252	50.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	420682	51.395	ug/l	97
67) Ethyl Benzene	10.04	91	1742462	49.404	ug/l	99
68) m/p-Xylenes	10.26	106	1240825	91.938	ug/l	94
69) o-Xylene	10.82	106	656807	48.066	ug/l	99
70) Styrene	10.89	104	1000252	49.663	ug/l	99
71) Bromoform	10.88	173	216697	55.186	ug/l #	99
73) Isopropylbenzene	11.22	105	1741368	54.061	ug/l	97
74) N-amyl acetate	11.46	43	481973	53.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	391998	56.987	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	246322	54.022	ug/l	90
77) Bromobenzene	11.58	156	427671	52.842	ug/l	87
78) n-propylbenzene	11.67	91	1994752	51.288	ug/l	94
79) 2-Chlorotoluene	11.80	91	1179341	52.994	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1383210	52.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	112541m	58.299	ug/l	
82) 4-Chlorotoluene	11.98	91	1126954	51.529	ug/l	100
83) tert-Butylbenzene	12.20	119	1478848	56.657	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	1362664	54.560	ug/l	99
85) sec-Butylbenzene	12.37	105	1885423	54.819	ug/l	99
86) p-Isopropyltoluene	12.52	119	1523064	53.202	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	725130	50.803	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	692816	52.011	ug/l	98
89) n-Butylbenzene	12.90	91	1502187	52.164	ug/l	97
90) Hexachloroethane	12.97	117	420343	60.201	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	665900	53.078	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	53376	71.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	486134	56.435	ug/l	99
94) Hexachlorobutadiene	14.24	225	336737	56.507	ug/l	98
95) Naphthalene	14.49	128	893719	63.329	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	466497	59.327	ug/l	98

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

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