

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061785.D
 Acq On : 28 Feb 2019 12:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/2/2019 4:09:35 AM

Quant Time: Mar 01 00:26:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	313735	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	456398	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	381629	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	213387	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	119848	52.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	4.10	113	176860	52.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.36%	
50) Toluene-d8	7.54	98	522668	53.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.39	95	194504	49.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	164745	45.726	ug/l	99
3) Chloromethane	1.09	50	175369	46.391	ug/l	96
4) Vinyl Chloride	1.15	62	172822	49.178	ug/l	94
5) Bromomethane	1.32	94	119234	49.298	ug/l	96
6) Chloroethane	1.40	64	85478	49.357	ug/l	96
7) Trichlorofluoromethane	1.48	101	220221m	51.956	ug/l	
8) Diethyl Ether	1.62	74	48854	45.736	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	151935	49.689	ug/l	93
10) Methyl Iodide	1.91	142	276533m	47.344	ug/l	
11) Tert butyl alcohol	2.57	59	31424	236.008	ug/l	98
12) 1,1-Dichloroethene	1.79	96	138002	51.332	ug/l	96
13) Acrolein	2.00	56	41734	249.391	ug/l	96
14) Allyl chloride	2.09	41	162046	49.121	ug/l	98
15) Acrylonitrile	2.93	53	106620	225.756	ug/l	96
16) Acetone	2.23	43	131567	266.535	ug/l	89
17) Carbon Disulfide	1.82	76	380316m	45.005	ug/l	
18) Methyl Acetate	2.34	43	57001	51.260	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	226822	49.367	ug/l	95
20) Methylene Chloride	2.17	84	144049m	54.696	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	136194m	46.602	ug/l	
22) Diisopropyl ether	2.79	45	376062	47.489	ug/l	97
23) Vinyl Acetate	3.17	43	877452	226.860	ug/l	96
24) 1,1-Dichloroethane	2.87	63	243869	50.888	ug/l	99
25) 2-Butanone	4.31	43	265414	246.159	ug/l	99
26) 2,2-Dichloropropane	3.59	77	111587	54.972	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	187056	48.763	ug/l	97
28) Bromochloromethane	3.70	49	126756	55.126	ug/l	98
29) Tetrahydrofuran	4.06	42	109016	222.454	ug/l	97
30) Chloroform	3.84	83	277574	50.932	ug/l	96
31) Cyclohexane	3.67	56	242592m	46.762	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	191090	53.526	ug/l	93
36) 1,1-Dichloropropene	4.27	75	233666	51.683	ug/l	94
37) Ethyl Acetate	4.09	43	90073	42.892	ug/l #	59
38) Carbon Tetrachloride	3.98	117	164858	52.807	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	286239	53.532	ug/l	98
40) Benzene	4.62	78	600694	50.795	ug/l	98
41) Methacrylonitrile	4.73	41	51450	47.908	ug/l	95
42) 1,2-Dichloroethane	4.93	62	144985	51.253	ug/l	95
43) Isopropyl Acetate	6.95	43	109565	44.078	ug/l #	91
44) Trichloroethene	5.49	130	198150	51.814	ug/l	97
45) 1,2-Dichloropropane	6.22	63	144830	50.666	ug/l	99
46) Dibromomethane	6.07	93	88300	50.170	ug/l	92
47) Bromodichloromethane	6.37	83	195452	50.711	ug/l	95
48) Methyl methacrylate	6.70	41	70040	46.822	ug/l	98
49) 1,4-Dioxane	6.69	88	15426	1096.999	ug/l #	86
51) 4-Methyl-2-Pentanone	8.24	43	391196	220.253	ug/l	100
52) Toluene	7.61	92	351470	49.004	ug/l	94
53) t-1,3-Dichloropropene	8.26	75	158018	49.262	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	223752	52.368	ug/l	94
55) 1,1,2-Trichloroethane	8.48	97	105891	50.250	ug/l	94
56) Ethyl methacrylate	8.60	69	112716	48.043	ug/l	99
57) 1,3-Dichloropropane	8.84	76	162973	46.335	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	97187	240.090	ug/l	95
59) 2-Hexanone	9.47	43	288508	231.731	ug/l	97
60) Dibromochloromethane	8.70	129	149309	50.906	ug/l	98
61) 1,2-Dibromoethane	8.97	107	116903	51.148	ug/l	95
64) Tetrachloroethene	8.14	164	162727	52.166	ug/l	96
65) Chlorobenzene	9.79	112	397391	51.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	164150	54.094	ug/l	99
67) Ethyl Benzene	9.89	91	682753	53.015	ug/l	97
68) m/p-Xylenes	10.11	106	501730	101.797	ug/l	100
69) o-Xylene	10.69	106	277495	52.763	ug/l	93
70) Styrene	10.77	104	368598	49.542	ug/l	99
71) Bromoform	10.76	173	82910	50.315	ug/l	97
73) Isopropylbenzene	11.11	105	784182	51.615	ug/l	99
74) N-amyl acetate	11.37	43	179480	49.218	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	128731	47.296	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	84375	45.595	ug/l	100
77) Bromobenzene	11.48	156	184821	49.242	ug/l	95
78) n-propylbenzene	11.58	91	894429	51.303	ug/l	99
79) 2-Chlorotoluene	11.71	91	495960	50.795	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	622790	51.290	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	42808m	48.252	ug/l	
82) 4-Chlorotoluene	11.89	91	496899	49.031	ug/l	97
83) tert-Butylbenzene	12.12	119	685138	50.942	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	630890	52.297	ug/l	99
85) sec-Butylbenzene	12.29	105	896418	51.542	ug/l	98
86) p-Isopropyltoluene	12.45	119	753266	51.607	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	352978	48.240	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	362199	51.471	ug/l	97
89) n-Butylbenzene	12.83	91	703318	51.028	ug/l	95
90) Hexachloroethane	12.90	117	189566	55.842	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	337989	48.564	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19673	45.588	ug/l #	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	247557	49.625	ug/l	98
94) Hexachlorobutadiene	14.19	225	166864	54.160	ug/l	100
95) Naphthalene	14.44	128	448467	51.382	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	237741	51.923	ug/l	99

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

