

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061315.D
 Acq On : 9 Jan 2019 23:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 3:31:52 PM

Quant Time: Jan 10 07:04:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	188484	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	324498	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	309868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	149261	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	116353	55.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.92%	
35) Dibromofluoromethane	4.13	113	129638	52.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	7.57	98	386124	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	11.42	95	167199	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	174324	50.140	ug/l	95
3) Chloromethane	1.10	50	140986	45.506	ug/l	93
4) Vinyl Chloride	1.15	62	123520	44.638	ug/l	94
5) Bromomethane	1.31	94	87941	40.622	ug/l	86
6) Chloroethane	1.39	64	56400	41.739	ug/l #	88
7) Trichlorofluoromethane	1.48	101	223571	47.660	ug/l	96
8) Diethyl Ether	1.64	74	37281	54.122	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	108110	43.647	ug/l	95
10) Methyl Iodide	1.90	142	180166m	46.428	ug/l	
11) Tert butyl alcohol	2.59	59	25797	307.116	ug/l #	85
12) 1,1-Dichloroethene	1.80	96	90782	45.834	ug/l	96
13) Acrolein	2.01	56	18277	195.472	ug/l	93
14) Allyl chloride	2.11	41	156952	43.353	ug/l	99
15) Acrylonitrile	2.96	53	70680	237.365	ug/l	99
16) Acetone	2.25	43	101119	207.197	ug/l	96
17) Carbon Disulfide	1.82	76	277157	42.365	ug/l	98
18) Methyl Acetate	2.36	43	51920m	54.073	ug/l	
19) Methyl tert-butyl Ether	2.45	73	195979	51.923	ug/l	98
20) Methylene Chloride	2.19	84	90346m	43.758	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	92498	44.071	ug/l	94
22) Diisopropyl ether	2.81	45	329181	46.998	ug/l	98
23) Vinyl Acetate	3.21	43	676762	330.396	ug/l	100
24) 1,1-Dichloroethane	2.88	63	195231	48.186	ug/l	98
25) 2-Butanone	4.35	43	217675	277.123	ug/l	95
26) 2,2-Dichloropropane	3.61	77	105677	39.032	ug/l	98
27) cis-1,2-Dichloroethene	3.49	96	157338	53.692	ug/l	95
28) Bromochloromethane	3.74	49	95524	53.474	ug/l	90
29) Tetrahydrofuran	4.09	42	95651	291.249	ug/l	97
30) Chloroform	3.88	83	271493	52.786	ug/l	96
31) Cyclohexane	3.72	56	207093	48.722	ug/l	95
32) 1,1,1-Trichloroethane	4.11	97	198171	47.702	ug/l	95
36) 1,1-Dichloropropene	4.30	75	206037	54.373	ug/l	97
37) Ethyl Acetate	4.12	43	86961	63.018	ug/l #	70
38) Carbon Tetrachloride	4.01	117	164534	45.845	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.47	83	223924	47.227	ug/l	94
40) Benzene	4.66	78	458363	51.811	ug/l	100
41) Methacrylonitrile	4.77	41	44692	57.996	ug/l #	91
42) 1,2-Dichloroethane	4.96	62	166012	60.273	ug/l	100
43) Isopropyl Acetate	6.98	43	111149	61.009	ug/l	99
44) Trichloroethene	5.53	130	131934	50.958	ug/l	96
45) 1,2-Dichloropropane	6.25	63	125466	55.769	ug/l	98
46) Dibromomethane	6.11	93	81598	59.073	ug/l #	89
47) Bromodichloromethane	6.40	83	202740	59.016	ug/l	99
48) Methyl methacrylate	6.74	41	74929	63.362	ug/l	94
49) 1,4-Dioxane	6.73	88	9972	1336.422	ug/l #	84
51) 4-Methyl-2-Pentanone	8.28	43	404393	294.077	ug/l	99
52) Toluene	7.64	92	294273	51.751	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	151122	56.016	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	206169	57.636	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	93122	58.523	ug/l	99
56) Ethyl methacrylate	8.63	69	111382	62.631	ug/l	95
57) 1,3-Dichloropropane	8.87	76	172694	61.325	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	27220	359.169	ug/l #	81
59) 2-Hexanone	9.51	43	286578	294.165	ug/l	99
60) Dibromochloromethane	8.73	129	130141	61.421	ug/l	95
61) 1,2-Dibromoethane	9.01	107	98125	60.496	ug/l	99
64) Tetrachloroethene	8.17	164	123704	54.831	ug/l	97
65) Chlorobenzene	9.82	112	322366	51.518	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	134750	52.776	ug/l	99
67) Ethyl Benzene	9.91	91	593788	49.217	ug/l	95
68) m/p-Xylenes	10.15	106	412721	98.071	ug/l	99
69) o-Xylene	10.72	106	234104	49.798	ug/l	93
70) Styrene	10.80	104	317628	50.718	ug/l	99
71) Bromoform	10.78	173	63829	61.171	ug/l	97
73) Isopropylbenzene	11.14	105	682773	51.985	ug/l	98
74) N-amyl acetate	11.38	43	192177	64.367	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	127035	61.001	ug/l	94
76) 1,2,3-Trichloropropane	11.81	75	91438	59.866	ug/l	100
77) Bromobenzene	11.51	156	144072	55.138	ug/l	92
78) n-propylbenzene	11.61	91	805951	51.466	ug/l	99
79) 2-Chlorotoluene	11.73	91	454375	52.078	ug/l	96
80) 1,3,5-Trimethylbenzene	11.84	105	535507	51.240	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	34885m	52.265	ug/l	
82) 4-Chlorotoluene	11.91	91	453925	51.201	ug/l	96
83) tert-Butylbenzene	12.14	119	539799	51.843	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	534393	51.503	ug/l	97
85) sec-Butylbenzene	12.31	105	734245	49.525	ug/l	97
86) p-Isopropyltoluene	12.47	119	599661	49.728	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	258809	50.719	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	257534	52.497	ug/l	97
89) n-Butylbenzene	12.85	91	619611	50.008	ug/l	99
90) Hexachloroethane	12.93	117	151434	54.899	ug/l	92
91) 1,2-Dichlorobenzene	12.95	146	257205	52.808	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	22433	63.755	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	174176	51.967	ug/l	96
94) Hexachlorobutadiene	14.21	225	108237	50.163	ug/l	96
95) Naphthalene	14.47	128	368910	58.407	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	161849	51.263	ug/l	99

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

