

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062561.D
 Acq On : 14 May 2019 1:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:34:50 AM

Quant Time: May 14 09:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	330899	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	450830	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	379763	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	237460	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	168218	53.79	ug/l	0.03
Spiked Amount 50.000			Recovery	=	107.58%	
35) Dibromofluoromethane	4.33	113	190700	53.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	106.18%	
50) Toluene-d8	7.73	98	490525	56.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.84%	
62) 4-Bromofluorobenzene	11.51	95	209918	53.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	166715	43.533	ug/l	98
3) Chloromethane	1.15	50	115230	45.622	ug/l	98
4) Vinyl Chloride	1.20	62	118735	47.130	ug/l	90
5) Bromomethane	1.41	94	99713	52.584	ug/l	97
6) Chloroethane	1.46	64	64571	50.980	ug/l	100
7) Trichlorofluoromethane	1.56	101	270756	51.799	ug/l	96
8) Diethyl Ether	1.72	74	40596	51.328	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	159779	53.541	ug/l	97
10) Methyl Iodide	2.00	142	261791m	53.233	ug/l	
11) Tert butyl alcohol	2.71	59	37715	213.396	ug/l	99
12) 1,1-Dichloroethene	1.89	96	123836	48.812	ug/l	87
13) Acrolein	2.11	56	26972	246.608	ug/l	93
14) Allyl chloride	2.21	41	168258m	75.080	ug/l	
15) Acrylonitrile	3.10	53	92976	277.718	ug/l	97
16) Acetone	2.36	43	128360	202.910	ug/l	99
17) Carbon Disulfide	1.93	76	243944	44.099	ug/l	97
18) Methyl Acetate	2.48	43	62709	54.648	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	269284	51.420	ug/l	98
20) Methylene Chloride	2.30	84	119864m	52.371	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	112097	46.376	ug/l	94
22) Diisopropyl ether	2.95	45	370534	52.902	ug/l	99
23) Vinyl Acetate	3.37	43	782264	250.589	ug/l	99
24) 1,1-Dichloroethane	3.03	63	229648	54.249	ug/l	98
25) 2-Butanone	4.54	43	192229	241.874	ug/l	92
26) 2,2-Dichloropropane	3.79	77	135010	57.111	ug/l	99
27) cis-1,2-Dichloroethene	3.67	96	157491	52.125	ug/l	96
28) Bromochloromethane	3.93	49	105468	54.936	ug/l	96
29) Tetrahydrofuran	4.29	42	83357	228.211	ug/l	99
30) Chloroform	4.08	83	304187	53.188	ug/l	93
31) Cyclohexane	3.90	56	153123m	45.318	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	267772	54.630	ug/l	99
36) 1,1-Dichloropropene	4.50	75	195427	50.462	ug/l	99
37) Ethyl Acetate	4.32	43	79571	53.088	ug/l #	100
38) Carbon Tetrachloride	4.22	117	237888	59.763	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	191246	49.239	ug/l	98
40) Benzene	4.85	78	454470	53.291	ug/l	96
41) Methacrylonitrile	4.96	41	42999	46.304	ug/l	99
42) 1,2-Dichloroethane	5.15	62	192194	53.885	ug/l	98
43) Isopropyl Acetate	7.13	43	84632	48.044	ug/l #	98
44) Trichloroethene	5.71	130	164585	52.536	ug/l	100
45) 1,2-Dichloropropane	6.43	63	104827	54.268	ug/l	91
46) Dibromomethane	6.29	93	84540	52.786	ug/l	98
47) Bromodichloromethane	6.57	83	217934	54.426	ug/l	97
48) Methyl methacrylate	6.90	41	57775	46.411	ug/l	92
49) 1,4-Dioxane	6.89	88	12415	969.283	ug/l	84
51) 4-Methyl-2-Pentanone	8.42	43	348300	260.939	ug/l	99
52) Toluene	7.80	92	275403	52.347	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	155247	51.262	ug/l	100
54) cis-1,3-Dichloropropene	7.48	75	182972	51.912	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	93964	56.261	ug/l	94
56) Ethyl methacrylate	8.78	69	88461	50.177	ug/l	98
57) 1,3-Dichloropropane	9.02	76	138290	54.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	126092	237.894	ug/l	97
59) 2-Hexanone	9.64	43	230032	249.183	ug/l	99
60) Dibromochloromethane	8.88	129	153989	56.374	ug/l	100
61) 1,2-Dibromoethane	9.15	107	104657	53.317	ug/l	100
64) Tetrachloroethene	8.33	164	161431	52.361	ug/l	98
65) Chlorobenzene	9.95	112	348682	55.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	173030	54.587	ug/l	97
67) Ethyl Benzene	10.05	91	601760	54.692	ug/l	97
68) m/p-Xylenes	10.28	106	443861	109.335	ug/l	97
69) o-Xylene	10.83	106	251675	57.372	ug/l	98
70) Styrene	10.91	104	372513	56.661	ug/l	98
71) Bromoform	10.89	173	93109	53.616	ug/l #	99
73) Isopropylbenzene	11.22	105	772091	54.846	ug/l	99
74) N-amyl acetate	11.46	43	154678	51.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	122797	55.711	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	92161	54.804	ug/l #	100
77) Bromobenzene	11.59	156	200533	54.277	ug/l	98
78) n-propylbenzene	11.69	91	809173	53.989	ug/l	100
79) 2-Chlorotoluene	11.81	91	494441	53.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	652081	52.848	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	33466m	52.943	ug/l	
82) 4-Chlorotoluene	11.98	91	481996	52.364	ug/l	99
83) tert-Butylbenzene	12.21	119	687723	53.035	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	657631	54.462	ug/l	95
85) sec-Butylbenzene	12.38	105	863563	54.712	ug/l	99
86) p-Isopropyltoluene	12.53	119	792856	54.066	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	349771	51.836	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	347133	53.302	ug/l	99
89) n-Butylbenzene	12.91	91	698742	53.556	ug/l	100
90) Hexachloroethane	12.98	117	200288	54.700	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	360210	55.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	24814	50.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	301850	51.527	ug/l	99
94) Hexachlorobutadiene	14.24	225	233205	53.411	ug/l	97
95) Naphthalene	14.51	128	479406	54.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	296184	52.188	ug/l	99

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

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