

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061883.D
 Acq On : 11 Mar 2019 11:06
 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
 3/12/2019 4:36:45 PM

Quant Time: Mar 12 05:18:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	286504	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	422803	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	346034	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	199927	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	116775	55.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	4.10	113	148408	50.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	7.54	98	427581	48.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.41	95	172531	50.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	164004	46.626	ug/l	79
3) Chloromethane	1.09	50	170960	50.151	ug/l	92
4) Vinyl Chloride	1.13	62	163841	50.630	ug/l	96
5) Bromomethane	1.33	94	119838	54.339	ug/l	96
6) Chloroethane	1.39	64	82277	53.488	ug/l	98
7) Trichlorofluoromethane	1.48	101	217024	54.911	ug/l	96
8) Diethyl Ether	1.62	74	45089	50.168	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	139369	51.927	ug/l	95
10) Methyl Iodide	1.90	142	264342m	51.756	ug/l	
11) Tert butyl alcohol	2.56	59	30328	256.094	ug/l	98
12) 1,1-Dichloroethene	1.78	96	122433	49.966	ug/l	88
13) Acrolein	2.00	56	43175	287.722	ug/l	88
14) Allyl chloride	2.09	41	151944	56.288	ug/l	93
15) Acrylonitrile	2.94	53	89165	236.451	ug/l	98
16) Acetone	2.24	43	133194	304.756	ug/l	98
17) Carbon Disulfide	1.81	76	385822m	50.585	ug/l	
18) Methyl Acetate	2.34	43	53954m	62.729	ug/l	
19) Methyl tert-butyl Ether	2.42	73	210199	50.711	ug/l	98
20) Methylene Chloride	2.18	84	121213m	49.922	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	121402	52.643	ug/l	93
22) Diisopropyl ether	2.79	45	364013	51.840	ug/l	98
23) Vinyl Acetate	3.18	43	738281	235.353	ug/l	99
24) 1,1-Dichloroethane	2.87	63	210299	50.106	ug/l	99
25) 2-Butanone	4.33	43	221609	249.278	ug/l	94
26) 2,2-Dichloropropane	3.59	77	99836	53.285	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	163584	51.200	ug/l	96
28) Bromochloromethane	3.71	49	87356	47.748	ug/l #	97
29) Tetrahydrofuran	4.06	42	82772	215.890	ug/l	98
30) Chloroform	3.84	83	233916	48.794	ug/l	95
31) Cyclohexane	3.69	56	206891	47.063	ug/l	91
32) 1,1,1-Trichloroethane	4.09	97	166838	56.461	ug/l	97
36) 1,1-Dichloropropene	4.27	75	191617	47.978	ug/l	98
37) Ethyl Acetate	4.10	43	80075	47.767	ug/l #	97
38) Carbon Tetrachloride	3.98	117	148526	52.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	220546	46.752	ug/l	98
40) Benzene	4.62	78	491756	47.105	ug/l	99
41) Methacrylonitrile	4.74	41	42849	46.653	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	128821	49.516	ug/l	96
43) Isopropyl Acetate	6.95	43	95985	46.451	ug/l #	94
44) Trichloroethene	5.49	130	154896	47.745	ug/l	99
45) 1,2-Dichloropropane	6.23	63	111768	45.024	ug/l	96
46) Dibromomethane	6.07	93	76256	48.809	ug/l	99
47) Bromodichloromethane	6.38	83	165966	48.084	ug/l	99
48) Methyl methacrylate	6.70	41	62270	47.616	ug/l #	94
49) 1,4-Dioxane	6.69	88	10319	863.162	ug/l #	76
51) 4-Methyl-2-Pentanone	8.25	43	347509	243.328	ug/l	96
52) Toluene	7.61	92	294934	47.757	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	144871	50.848	ug/l	93
54) cis-1,3-Dichloropropene	7.29	75	188362	47.931	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	85654	48.137	ug/l	97
56) Ethyl methacrylate	8.61	69	97296	48.518	ug/l	97
57) 1,3-Dichloropropane	8.84	76	142012	48.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	77655	244.792	ug/l	95
59) 2-Hexanone	9.48	43	257031	249.474	ug/l	99
60) Dibromochloromethane	8.70	129	120866	47.659	ug/l	100
61) 1,2-Dibromoethane	8.98	107	95068	48.585	ug/l	97
64) Tetrachloroethene	8.14	164	136316	51.268	ug/l	97
65) Chlorobenzene	9.79	112	328852	49.466	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	138514	53.776	ug/l	96
67) Ethyl Benzene	9.89	91	568297	51.575	ug/l	98
68) m/p-Xylenes	10.12	106	431578	102.241	ug/l	94
69) o-Xylene	10.71	106	241907	53.220	ug/l	98
70) Styrene	10.78	104	326721	51.075	ug/l	99
71) Bromoform	10.77	173	70713	51.944	ug/l	94
73) Isopropylbenzene	11.12	105	692122	50.285	ug/l	99
74) N-amyl acetate	11.37	43	145983	46.071	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	111511	48.746	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	69427	44.467	ug/l	96
77) Bromobenzene	11.49	156	159598	48.181	ug/l	93
78) n-propylbenzene	11.58	91	729927	46.960	ug/l	99
79) 2-Chlorotoluene	11.71	91	412577	46.428	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	503614	45.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	36449m	51.054	ug/l	
82) 4-Chlorotoluene	11.89	91	435252	47.885	ug/l	98
83) tert-Butylbenzene	12.13	119	581791	49.581	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	531764	49.087	ug/l	98
85) sec-Butylbenzene	12.29	105	761305	49.856	ug/l	100
86) p-Isopropyltoluene	12.45	119	622732	47.977	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	296858	47.197	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	303631	50.043	ug/l	100
89) n-Butylbenzene	12.84	91	604226	48.710	ug/l	98
90) Hexachloroethane	12.92	117	158470	50.723	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	279680	46.932	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	17732	45.042	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	205281	49.136	ug/l	98
94) Hexachlorobutadiene	14.19	225	134018	46.338	ug/l	98
95) Naphthalene	14.45	128	370965	49.854	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	191543	49.656	ug/l	94

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

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