

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062894.D
 Acq On : 7 Jun 2019 11:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:27 PM

Quant Time: Jun 08 00:44:01 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	5.06	168	756214	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1280405	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1098704	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	524093	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	272111	52.04	ug/l	-0.01
Spiked Amount 50.000			Recovery =	104.08%		
35) Dibromofluoromethane	4.31	113	477996	49.40	ug/l	-0.02
Spiked Amount 50.000			Recovery =	98.80%		
50) Toluene-d8	7.71	98	1223388	50.00	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.00%		
62) 4-Bromofluorobenzene	11.50	95	459296	52.19	ug/l	-0.01
Spiked Amount 50.000			Recovery =	104.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	413919	48.222	ug/l	90
3) Chloromethane	1.15	50	381575	48.766	ug/l	100
4) Vinyl Chloride	1.20	62	374532	48.168	ug/l	96
5) Bromomethane	1.41	94	235711	53.155	ug/l	100
6) Chloroethane	1.45	64	156018	53.666	ug/l	88
7) Trichlorofluoromethane	1.56	101	583682	53.025	ug/l	95
8) Diethyl Ether	1.72	74	127325	58.792	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	363544	52.531	ug/l	95
10) Methyl Iodide	2.00	142	727917	52.458	ug/l	97
11) Tert butyl alcohol	2.70	59	95177	300.448	ug/l	96
12) 1,1-Dichloroethene	1.88	96	334994	53.308	ug/l	97
13) Acrolein	2.11	56	46730	373.288	ug/l	94
14) Allyl chloride	2.20	41	312766m	64.154	ug/l	
15) Acrylonitrile	3.09	53	486089	408.361	ug/l	95
16) Acetone	2.35	43	364072	304.189	ug/l	96
17) Carbon Disulfide	1.92	76	945106	51.457	ug/l	99
18) Methyl Acetate	2.47	43	114476	54.734	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	644276	56.589	ug/l	99
20) Methylene Chloride	2.35	84	351841m	59.257	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	332368	52.750	ug/l	99
22) Diisopropyl ether	2.94	45	756881	54.645	ug/l	95
23) Vinyl Acetate	3.36	43	2663779	280.916	ug/l	99
24) 1,1-Dichloroethane	3.02	63	577698	55.861	ug/l	98
25) 2-Butanone	4.54	43	775186	278.121	ug/l	98
26) 2,2-Dichloropropane	3.79	77	358416	61.038	ug/l	90
27) cis-1,2-Dichloroethene	3.66	96	564877	53.334	ug/l	97
28) Bromochloromethane	3.91	49	277042	49.249	ug/l	89
29) Tetrahydrofuran	4.28	42	295291	277.000	ug/l	98
30) Chloroform	4.07	83	757282	51.957	ug/l	95
31) Cyclohexane	3.89	56	716485	51.173	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	500906	59.026	ug/l	96
36) 1,1-Dichloropropene	4.49	75	626207	53.126	ug/l	98
37) Ethyl Acetate	4.31	43	246078	54.613	ug/l	87
38) Carbon Tetrachloride	4.19	117	415571	52.166	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	740902	50.503	ug/l	97
40) Benzene	4.84	78	1714658	49.982	ug/l	99
41) Methacrylonitrile	4.94	41	143172	57.157	ug/l	92
42) 1,2-Dichloroethane	5.14	62	350569	53.730	ug/l	99
43) Isopropyl Acetate	7.12	43	314148	52.778	ug/l #	100
44) Trichloroethene	5.69	130	490117	50.623	ug/l	99
45) 1,2-Dichloropropane	6.42	63	447910	52.029	ug/l	96
46) Dibromomethane	6.27	93	269911	53.701	ug/l	97
47) Bromodichloromethane	6.56	83	542579	53.006	ug/l	94
48) Methyl methacrylate	6.89	41	161416	52.620	ug/l	96
49) 1,4-Dioxane	6.88	88	42603	1053.631	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1289152	303.360	ug/l	99
52) Toluene	7.79	92	1015002	54.933	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	474014	55.884	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	635518	51.760	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	314558	56.985	ug/l	97
56) Ethyl methacrylate	8.76	69	354511	59.855	ug/l	95
57) 1,3-Dichloropropane	9.01	76	518714	57.543	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	522279	252.312	ug/l	97
59) 2-Hexanone	9.63	43	915969	302.403	ug/l	97
60) Dibromochloromethane	8.87	129	403931	59.105	ug/l	99
61) 1,2-Dibromoethane	9.14	107	332874	58.064	ug/l	99
64) Tetrachloroethene	8.32	164	386436	45.771	ug/l	95
65) Chlorobenzene	9.94	112	1078396	50.825	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	421183	49.843	ug/l	98
67) Ethyl Benzene	10.04	91	1795040	49.300	ug/l	100
68) m/p-Xylenes	10.27	106	1341736	96.299	ug/l	98
69) o-Xylene	10.82	106	697142	49.419	ug/l	96
70) Styrene	10.90	104	1018889	49.003	ug/l	99
71) Bromoform	10.89	173	215920	53.265	ug/l #	97
73) Isopropylbenzene	11.22	105	1842941	50.396	ug/l	98
74) N-amyl acetate	11.45	43	560866	54.417	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	414632	53.094	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	264414	51.079	ug/l	93
77) Bromobenzene	11.59	156	451200	49.106	ug/l	94
78) n-propylbenzene	11.68	91	2183650	49.455	ug/l	99
79) 2-Chlorotoluene	11.79	91	1208188	47.821	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1486354	49.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	120144m	54.821	ug/l	
82) 4-Chlorotoluene	11.97	91	1221570	49.199	ug/l	97
83) tert-Butylbenzene	12.20	119	1540871	51.999	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	1425802	50.285	ug/l	97
85) sec-Butylbenzene	12.38	105	2007495	51.412	ug/l	98
86) p-Isopropyltoluene	12.52	119	1644009	50.583	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	811301	50.066	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	742244	49.081	ug/l	97
89) n-Butylbenzene	12.90	91	1631742	49.910	ug/l	96
90) Hexachloroethane	12.98	117	421865	53.219	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	747152	52.457	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	51305	60.301	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	508391	51.986	ug/l	99
94) Hexachlorobutadiene	14.23	225	346310	51.188	ug/l	98
95) Naphthalene	14.50	128	927334	57.880	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	470915	52.752	ug/l	98

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

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