

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061338.D
 Acq On : 10 Jan 2019 12:10
 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
 1/11/2019 3:52:05 PM

Quant Time: Jan 11 00:38:45 2019
 Quant Method : Z:\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	4.88	168	188726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	319689	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	292286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	143618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	103836	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	4.12	113	117396	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	7.56	98	374330	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.42	95	160025	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	163233	46.889	ug/l	99
3) Chloromethane	1.08	50	135860	43.795	ug/l	95
4) Vinyl Chloride	1.13	62	122475	44.204	ug/l	99
5) Bromomethane	1.30	94	91555	42.310	ug/l	94
6) Chloroethane	1.38	64	63261	46.756	ug/l	94
7) Trichlorofluoromethane	1.47	101	222824	47.440	ug/l	98
8) Diethyl Ether	1.63	74	34808	50.467	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	115652	46.632	ug/l	97
10) Methyl Iodide	1.85	142	177691m	45.731	ug/l	
11) Tert butyl alcohol	2.57	59	18112	215.349	ug/l	97
12) 1,1-Dichloroethene	1.75	96	94273	47.535	ug/l	98
13) Acrolein	2.00	56	20556	222.418	ug/l	90
14) Allyl chloride	2.10	41	162935	44.948	ug/l	97
15) Acrylonitrile	2.95	53	64177	215.249	ug/l	95
16) Acetone	2.24	43	129009	264.006	ug/l	96
17) Carbon Disulfide	1.77	76	289488	44.193	ug/l	97
18) Methyl Acetate	2.34	43	40758	42.394	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	170103	45.010	ug/l	96
20) Methylene Chloride	2.19	84	91074	44.054	ug/l	96
21) trans-1,2-Dichloroethene	2.31	96	94962	45.187	ug/l	96
22) Diisopropyl ether	2.80	45	296501	42.278	ug/l	98
23) Vinyl Acetate	3.19	43	525403	256.173	ug/l	99
24) 1,1-Dichloroethane	2.88	63	184714	45.532	ug/l	100
25) 2-Butanone	4.34	43	186858	237.584	ug/l	95
26) 2,2-Dichloropropane	3.61	77	122504	45.189	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	145321	49.528	ug/l	92
28) Bromochloromethane	3.73	49	84083	47.009	ug/l #	98
29) Tetrahydrofuran	4.08	42	71435	217.234	ug/l	95
30) Chloroform	3.86	83	236970	46.015	ug/l	99
31) Cyclohexane	3.71	56	190297	44.713	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	194272	46.703	ug/l	98
36) 1,1-Dichloropropene	4.29	75	179064	47.966	ug/l	95
37) Ethyl Acetate	4.12	43	66373	48.822	ug/l	82
38) Carbon Tetrachloride	4.00	117	163311	46.189	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	203327	43.528	ug/l	98
40) Benzene	4.64	78	397330	45.588	ug/l	98
41) Methacrylonitrile	4.75	41	37268	49.089	ug/l	90
42) 1,2-Dichloroethane	4.95	62	141437	52.123	ug/l	98
43) Isopropyl Acetate	6.97	43	95516	53.217	ug/l	99
44) Trichloroethene	5.51	130	129002	50.575	ug/l	90
45) 1,2-Dichloropropane	6.24	63	112471	50.745	ug/l	96
46) Dibromomethane	6.09	93	69861	51.337	ug/l	94
47) Bromodichloromethane	6.40	83	177424	52.423	ug/l	97
48) Methyl methacrylate	6.72	41	64192	55.099	ug/l	92
49) 1,4-Dioxane	6.71	88	8330	1133.158	ug/l	91
51) 4-Methyl-2-Pentanone	8.26	43	333105	245.880	ug/l	98
52) Toluene	7.63	92	288186	51.443	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	132258	49.761	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	190003	53.915	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	77501	49.438	ug/l	97
56) Ethyl methacrylate	8.63	69	89667	51.179	ug/l	96
57) 1,3-Dichloropropane	8.86	76	145338	52.387	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	15308	205.028	ug/l #	88
59) 2-Hexanone	9.50	43	248144	258.545	ug/l	97
60) Dibromochloromethane	8.73	129	110382	52.880	ug/l	100
61) 1,2-Dibromoethane	8.99	107	80089	50.119	ug/l	98
64) Tetrachloroethene	8.16	164	110260	51.812	ug/l	95
65) Chlorobenzene	9.81	112	310836	52.664	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	127359	52.882	ug/l	97
67) Ethyl Benzene	9.91	91	591430	51.970	ug/l	96
68) m/p-Xylenes	10.14	106	409980	103.279	ug/l	99
69) o-Xylene	10.72	106	229477	51.750	ug/l	97
70) Styrene	10.80	104	297605	50.379	ug/l	99
71) Bromoform	10.78	173	52368	53.206	ug/l #	98
73) Isopropylbenzene	11.13	105	639346	50.591	ug/l	100
74) N-amyl acetate	11.38	43	145449	50.630	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	101621	50.715	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	72984	49.661	ug/l	98
77) Bromobenzene	11.51	156	124281	49.432	ug/l	89
78) n-propylbenzene	11.60	91	759190	50.385	ug/l	97
79) 2-Chlorotoluene	11.73	91	434767	51.789	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	480377	47.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	27800m	43.287	ug/l	
82) 4-Chlorotoluene	11.90	91	425720	49.906	ug/l	93
83) tert-Butylbenzene	12.14	119	492326	49.141	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	526490	52.735	ug/l	97
85) sec-Butylbenzene	12.32	105	691988	48.509	ug/l	98
86) p-Isopropyltoluene	12.47	119	582368	50.192	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	243067	49.506	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	249431	52.843	ug/l	97
89) n-Butylbenzene	12.85	91	601518	50.455	ug/l	99
90) Hexachloroethane	12.93	117	127459	48.023	ug/l	84
91) 1,2-Dichlorobenzene	12.95	146	235380	50.226	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17069	50.416	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	167511	51.942	ug/l	95
94) Hexachlorobutadiene	14.20	225	102689	49.461	ug/l	97
95) Naphthalene	14.47	128	322227	53.020	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	157551	51.863	ug/l	99

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

