

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022719\
 Data File : VF061762.D
 Acq On : 27 Feb 2019 12:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 00:41:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	334566	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	496459	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	424057	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	224707	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	127554	51.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.98%	
35) Dibromofluoromethane	4.09	113	174510	47.33	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	7.53	98	533747	50.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.40	95	205318	47.88	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	168651	43.895	ug/l	95
3) Chloromethane	1.10	50	176813	43.861	ug/l	100
4) Vinyl Chloride	1.14	62	168582	44.984	ug/l	97
5) Bromomethane	1.32	94	127886	49.583	ug/l	91
6) Chloroethane	1.40	64	84694	45.859	ug/l	100
7) Trichlorofluoromethane	1.48	101	219798	48.628	ug/l	99
8) Diethyl Ether	1.62	74	50340	44.193	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	153566	47.095	ug/l #	87
10) Methyl Iodide	1.91	142	302416m	48.551	ug/l	
11) Tert butyl alcohol	2.56	59	33475	235.758	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	139999m	48.833	ug/l	
13) Acrolein	1.99	56	43262	242.426	ug/l	97
14) Allyl chloride	2.09	41	160984	45.760	ug/l	99
15) Acrylonitrile	2.93	53	103242	204.992	ug/l	94
16) Acetone	2.23	43	145090	275.630	ug/l	97
17) Carbon Disulfide	1.82	76	414962m	46.047	ug/l	
18) Methyl Acetate	2.33	43	61292	51.687	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	243905	49.780	ug/l	98
20) Methylene Chloride	2.17	84	144028m	51.118	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	143045m	45.899	ug/l	
22) Diisopropyl ether	2.79	45	402522	47.666	ug/l	97
23) Vinyl Acetate	3.17	43	951278	230.634	ug/l	99
24) 1,1-Dichloroethane	2.86	63	234736	45.933	ug/l	99
25) 2-Butanone	4.31	43	278919	242.578	ug/l	99
26) 2,2-Dichloropropane	3.58	77	113980	52.655	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	196836	48.118	ug/l	96
28) Bromochloromethane	3.70	49	113555	46.310	ug/l	96
29) Tetrahydrofuran	4.05	42	111591	213.531	ug/l	98
30) Chloroform	3.84	83	276723	47.615	ug/l	97
31) Cyclohexane	3.67	56	244979m	44.282	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	211337m	55.512	ug/l	
36) 1,1-Dichloropropene	4.26	75	238714	48.539	ug/l	93
37) Ethyl Acetate	4.09	43	95086	41.626	ug/l #	77
38) Carbon Tetrachloride	3.97	117	164344	48.394	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	257887	44.338	ug/l	97
40) Benzene	4.61	78	632228	49.147	ug/l	98
41) Methacrylonitrile	4.73	41	53285	45.613	ug/l	98
42) 1,2-Dichloroethane	4.93	62	153516	49.890	ug/l	94
43) Isopropyl Acetate	6.94	43	125317	46.347	ug/l	95
44) Trichloroethene	5.49	130	198217	47.649	ug/l	93
45) 1,2-Dichloropropane	6.22	63	146911	47.247	ug/l	98
46) Dibromomethane	6.06	93	96349	50.326	ug/l	88
47) Bromodichloromethane	6.37	83	215522	51.406	ug/l	95
48) Methyl methacrylate	6.69	41	78653	48.337	ug/l	97
49) 1,4-Dioxane	6.69	88	14600	954.478	ug/l	97
51) 4-Methyl-2-Pentanone	8.24	43	431995	223.597	ug/l	97
52) Toluene	7.61	92	377458	48.381	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	166993	47.859	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	246762	53.093	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	112728	49.178	ug/l	97
56) Ethyl methacrylate	8.61	69	118624	46.481	ug/l	98
57) 1,3-Dichloropropane	8.83	76	180658	47.218	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	99791	226.631	ug/l	98
59) 2-Hexanone	9.47	43	315321	232.830	ug/l	94
60) Dibromochloromethane	8.69	129	159993	50.147	ug/l	94
61) 1,2-Dibromoethane	8.97	107	121209	48.752	ug/l	95
64) Tetrachloroethene	8.13	164	166466	48.026	ug/l	97
65) Chlorobenzene	9.78	112	410934	47.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	173139	51.348	ug/l	99
67) Ethyl Benzene	9.89	91	703066	49.131	ug/l	97
68) m/p-Xylenes	10.11	106	546321	99.754	ug/l	97
69) o-Xylene	10.70	106	296852	50.797	ug/l	99
70) Styrene	10.77	104	412643	49.913	ug/l	99
71) Bromoform	10.75	173	88956	48.583	ug/l	95
73) Isopropylbenzene	11.11	105	837082	52.322	ug/l	95
74) N-amyl acetate	11.36	43	192600	50.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	141254	49.282	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	91272	46.837	ug/l	97
77) Bromobenzene	11.48	156	204226	51.671	ug/l	94
78) n-propylbenzene	11.58	91	936345	51.002	ug/l	99
79) 2-Chlorotoluene	11.70	91	523853	50.949	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	660446	51.651	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	49617m	53.110	ug/l	
82) 4-Chlorotoluene	11.89	91	531528	49.805	ug/l	99
83) tert-Butylbenzene	12.12	119	738045	52.112	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	654608	51.530	ug/l	96
85) sec-Butylbenzene	12.29	105	922714	50.381	ug/l	100
86) p-Isopropyltoluene	12.45	119	792771	51.577	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	388148	50.375	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	371287	50.104	ug/l	99
89) n-Butylbenzene	12.84	91	724394	49.910	ug/l	95
90) Hexachloroethane	12.90	117	198770	55.604	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	361099	49.270	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	22714	49.983	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	256375	48.804	ug/l	97
94) Hexachlorobutadiene	14.18	225	172172	53.068	ug/l	98
95) Naphthalene	14.44	128	477725	51.977	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	249432	51.732	ug/l	97

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

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