

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061452.D
 Acq On : 18 Jan 2019 11:24
 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
 1/21/2019 11:10:53 AM

Quant Time: Jan 19 04:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	189097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	336532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	310097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	143854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	116924	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
35) Dibromofluoromethane	4.10	113	128814	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
50) Toluene-d8	7.55	98	380098	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.40	95	168231	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	169937	45.738	ug/l	90
3) Chloromethane	1.08	50	129527	47.544	ug/l	96
4) Vinyl Chloride	1.13	62	119958	49.499	ug/l	90
5) Bromomethane	1.33	94	80607	51.007	ug/l	94
6) Chloroethane	1.38	64	53781	50.083	ug/l	92
7) Trichlorofluoromethane	1.47	101	204549	43.417	ug/l	96
8) Diethyl Ether	1.63	74	29159	48.303	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	106842	47.197	ug/l	91
10) Methyl Iodide	1.89	142	169569m	48.318	ug/l	
11) Tert butyl alcohol	2.56	59	24599	248.924	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	83511	49.655	ug/l	87
13) Acrolein	1.99	56	31904	369.655	ug/l	91
14) Allyl chloride	2.09	41	130845	69.211	ug/l	90
15) Acrylonitrile	2.93	53	66508	262.742	ug/l	96
16) Acetone	2.23	43	139924	298.755	ug/l	99
17) Carbon Disulfide	1.81	76	253620	48.363	ug/l	99
18) Methyl Acetate	2.34	43	50683	54.567	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	180278	47.817	ug/l	96
20) Methylene Chloride	2.18	84	81518m	51.320	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	88496	47.825	ug/l	94
22) Diisopropyl ether	2.79	45	278966	46.611	ug/l	100
23) Vinyl Acetate	3.18	43	683758	259.612	ug/l	100
24) 1,1-Dichloroethane	2.86	63	170444	45.375	ug/l	98
25) 2-Butanone	4.32	43	205167	263.420	ug/l	94
26) 2,2-Dichloropropane	3.59	77	105614	45.762	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	131968	48.314	ug/l	95
28) Bromochloromethane	3.71	49	79738	47.224	ug/l #	96
29) Tetrahydrofuran	4.06	42	84784	252.807	ug/l	99
30) Chloroform	3.85	83	225714	44.524	ug/l	99
31) Cyclohexane	3.68	56	180259m	48.040	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	177727	47.813	ug/l	98
36) 1,1-Dichloropropene	4.27	75	177087	45.385	ug/l	96
37) Ethyl Acetate	4.09	43	75353	48.312	ug/l #	89
38) Carbon Tetrachloride	3.97	117	158525	46.472	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	203286	48.074	ug/l	100
40) Benzene	4.63	78	397336	45.763	ug/l	98
41) Methacrylonitrile	4.72	41	40006	48.204	ug/l #	92
42) 1,2-Dichloroethane	4.93	62	141705	45.801	ug/l	98
43) Isopropyl Acetate	6.94	43	100886	51.536	ug/l #	98
44) Trichloroethene	5.49	130	127377	47.824	ug/l	100
45) 1,2-Dichloropropane	6.22	63	111720	49.027	ug/l	96
46) Dibromomethane	6.08	93	73359	48.415	ug/l	97
47) Bromodichloromethane	6.37	83	178316	47.564	ug/l	100
48) Methyl methacrylate	6.71	41	62648	47.659	ug/l	96
49) 1,4-Dioxane	6.69	88	9019	981.636	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	356663	247.834	ug/l	98
52) Toluene	7.61	92	250550	43.820	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	139748	46.944	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	188953	50.780	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	82263	50.665	ug/l	96
56) Ethyl methacrylate	8.61	69	95008	50.295	ug/l	97
57) 1,3-Dichloropropane	8.84	76	146354	48.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	48833	246.906	ug/l	99
59) 2-Hexanone	9.48	43	278564	277.585	ug/l	96
60) Dibromochloromethane	8.71	129	114191	48.107	ug/l	96
61) 1,2-Dibromoethane	8.98	107	85316	45.900	ug/l	87
64) Tetrachloroethene	8.14	164	106394	45.624	ug/l	97
65) Chlorobenzene	9.79	112	298300	47.304	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	117536	46.788	ug/l	96
67) Ethyl Benzene	9.88	91	551279	47.848	ug/l	99
68) m/p-Xylenes	10.12	106	375511	90.618	ug/l	100
69) o-Xylene	10.70	106	209377	46.619	ug/l	95
70) Styrene	10.78	104	285051	46.367	ug/l	97
71) Bromoform	10.76	173	58382	51.725	ug/l #	95
73) Isopropylbenzene	11.12	105	619060	52.911	ug/l	98
74) N-amyl acetate	11.36	43	155950	56.369	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	111777	53.628	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	75850	50.645	ug/l	92
77) Bromobenzene	11.49	156	129017	52.214	ug/l	99
78) n-propylbenzene	11.59	91	706771	49.542	ug/l	98
79) 2-Chlorotoluene	11.71	91	409071	50.392	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	471376	49.923	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	33595m	51.601	ug/l	
82) 4-Chlorotoluene	11.90	91	421183	51.416	ug/l	97
83) tert-Butylbenzene	12.12	119	507919	51.973	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	472880	48.621	ug/l	99
85) sec-Butylbenzene	12.30	105	671773	50.618	ug/l	98
86) p-Isopropyltoluene	12.45	119	545825	50.101	ug/l	94
87) 1,3-Dichlorobenzene	12.47	146	237972	48.265	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	231433	49.566	ug/l	97
89) n-Butylbenzene	12.83	91	583508	51.934	ug/l	97
90) Hexachloroethane	12.91	117	134910	52.533	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	228952	49.532	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	20767	56.174	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	156074	48.200	ug/l	99
94) Hexachlorobutadiene	14.18	225	100513	50.025	ug/l	99
95) Naphthalene	14.45	128	309197	50.260	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	145028	48.384	ug/l	99

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

