

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF060996.D
 Acq On : 12 Dec 2018 15:08
 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

apatel
 12/13/2018 3:41:42 PM

Quant Time: Dec 13 01:34:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	176362	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	296353	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	277916	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	137439	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	115483	55.58	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	4.11	113	120584	51.29	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	7.54	98	348712	50.35	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.41	95	160454	50.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	116138	44.042	ug/l	100
3) Chloromethane	1.09	50	78558	45.782	ug/l	97
4) Vinyl Chloride	1.13	62	77452	48.390	ug/l	99
5) Bromomethane	1.32	94	54020	47.864	ug/l	93
6) Chloroethane	1.38	64	34011	49.158	ug/l	94
7) Trichlorofluoromethane	1.49	101	173882m	50.633	ug/l	
8) Diethyl Ether	1.63	74	24403	49.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	91515	52.712	ug/l	94
10) Methyl Iodide	1.89	142	128189m	48.576	ug/l	
11) Tert butyl alcohol	2.57	59	24182	283.939	ug/l #	92
12) 1,1-Dichloroethene	1.78	96	64845	46.436	ug/l	90
13) Acrolein	2.00	56	20767	257.361	ug/l	93
14) Allyl chloride	2.09	41	85203	48.952	ug/l	98
15) Acrylonitrile	2.95	53	51259	268.463	ug/l	91
16) Acetone	2.24	43	114764	299.549	ug/l	96
17) Carbon Disulfide	1.84	76	159719m	42.657	ug/l	
18) Methyl Acetate	2.35	43	38308	59.927	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	154747	49.201	ug/l	96
20) Methylene Chloride	2.25	84	62796m	44.678	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	67434	50.089	ug/l	98
22) Diisopropyl ether	2.80	45	256949	54.234	ug/l	98
23) Vinyl Acetate	3.18	43	610552	281.923	ug/l	97
24) 1,1-Dichloroethane	2.87	63	149338	52.980	ug/l	97
25) 2-Butanone	4.33	43	180522	272.417	ug/l	99
26) 2,2-Dichloropropane	3.59	77	96922	53.037	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	112296	51.235	ug/l	98
28) Bromochloromethane	3.72	49	65686	48.556	ug/l	99
29) Tetrahydrofuran	4.07	42	72591	258.428	ug/l	95
30) Chloroform	3.86	83	231534	53.370	ug/l	99
31) Cyclohexane	3.69	56	141670	48.428	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	163812	54.446	ug/l	95
36) 1,1-Dichloropropene	4.28	75	157684	47.971	ug/l	98
37) Ethyl Acetate	4.11	43	63302	47.390	ug/l #	93
38) Carbon Tetrachloride	3.98	117	138419	47.677	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	156572	45.452	ug/l	97
40) Benzene	4.62	78	340597	46.903	ug/l	98
41) Methacrylonitrile	4.74	41	37537	54.636	ug/l	92
42) 1,2-Dichloroethane	4.94	62	130892	49.372	ug/l	97
43) Isopropyl Acetate	6.95	43	83898	50.958	ug/l #	98
44) Trichloroethene	5.50	130	113706	47.889	ug/l	94
45) 1,2-Dichloropropane	6.23	63	96093	50.951	ug/l	97
46) Dibromomethane	6.08	93	64887	50.718	ug/l	94
47) Bromodichloromethane	6.38	83	178504	52.532	ug/l	98
48) Methyl methacrylate	6.72	41	61380	50.765	ug/l	95
49) 1,4-Dioxane	6.70	88	7286	823.364	ug/l	90
51) 4-Methyl-2-Pentanone	8.25	43	305366	247.904	ug/l	99
52) Toluene	7.62	92	239266	46.908	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	139858	50.600	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	168369	49.205	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	73842	49.682	ug/l	98
56) Ethyl methacrylate	8.62	69	82495	49.964	ug/l	95
57) 1,3-Dichloropropane	8.85	76	133150	51.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	71655	424.289	ug/l	96
59) 2-Hexanone	9.49	43	215641	249.533	ug/l	96
60) Dibromochloromethane	8.72	129	111012	50.129	ug/l	96
61) 1,2-Dibromoethane	8.98	107	78993	49.198	ug/l	98
64) Tetrachloroethene	8.15	164	94521	44.528	ug/l	96
65) Chlorobenzene	9.79	112	276009	51.051	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	108417	46.645	ug/l	97
67) Ethyl Benzene	9.90	91	488994	48.582	ug/l	97
68) m/p-Xylenes	10.13	106	352523	97.379	ug/l	99
69) o-Xylene	10.71	106	193614	48.501	ug/l	91
70) Styrene	10.79	104	256656	46.381	ug/l	98
71) Bromoform	10.77	173	52928	47.144	ug/l #	95
73) Isopropylbenzene	11.13	105	564184	51.945	ug/l	99
74) N-amyl acetate	11.37	43	128322	51.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	91863	51.392	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	69538	53.520	ug/l	95
77) Bromobenzene	11.49	156	118195	49.637	ug/l	85
78) n-propylbenzene	11.59	91	660313	51.914	ug/l	99
79) 2-Chlorotoluene	11.72	91	371931	50.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	461297	52.317	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	32312m	50.757	ug/l	
82) 4-Chlorotoluene	11.89	91	390035	50.818	ug/l	98
83) tert-Butylbenzene	12.13	119	479239	53.358	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	463779	52.703	ug/l	98
85) sec-Butylbenzene	12.30	105	624803	50.817	ug/l	99
86) p-Isopropyltoluene	12.46	119	524416	50.874	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	222967	49.227	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	220356	49.922	ug/l	98
89) n-Butylbenzene	12.84	91	553705	53.122	ug/l	96
90) Hexachloroethane	12.91	117	133761	53.887	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	218331	50.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19296	55.834	ug/l	94

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93) 1,2,4-Trichlorobenzene	14.19	180	155971	52.042	ug/l	98
94) Hexachlorobutadiene	14.18	225	107258	53.686	ug/l	97
95) Naphthalene	14.45	128	290702	49.972	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	149265	53.639	ug/l	96

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

