

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060933.D
 Acq On : 7 Dec 2018 16:21
 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
 12/10/2018 4:37:31 PM

Quant Time: Dec 08 03:33:44 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	4.86	168	173272	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	285994	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	271078	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	139808	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113393	55.55	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	111.10%	
35) Dibromofluoromethane	4.10	113	120926	53.30	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	106.60%	
50) Toluene-d8	7.54	98	322568	48.26	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.40	95	151488	49.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	111392	42.996	ug/l	97
3) Chloromethane	1.11	50	72322	42.899	ug/l	97
4) Vinyl Chloride	1.14	62	74325	47.265	ug/l	98
5) Bromomethane	1.33	94	53638	48.373	ug/l	97
6) Chloroethane	1.40	64	34186	50.292	ug/l	90
7) Trichlorofluoromethane	1.49	101	169800m	50.326	ug/l	
8) Diethyl Ether	1.62	74	23055	47.519	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	85351	50.038	ug/l	97
10) Methyl Iodide	1.91	142	123807m	47.752	ug/l	
11) Tert butyl alcohol	2.56	59	21975	262.627	ug/l	94
12) 1,1-Dichloroethene	1.79	96	66410	48.405	ug/l	90
13) Acrolein	2.00	56	20064	253.083	ug/l	98
14) Allyl chloride	2.09	41	78489	45.899	ug/l	99
15) Acrylonitrile	2.92	53	51699	275.596	ug/l	92
16) Acetone	2.22	43	106871	283.922	ug/l	98
17) Carbon Disulfide	1.84	76	160315m	43.580	ug/l	
18) Methyl Acetate	2.33	43	39666	63.251	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	156513	50.650	ug/l	99
20) Methylene Chloride	2.24	84	67351m	48.774	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	63944m	48.344	ug/l	
22) Diisopropyl ether	2.79	45	248458	53.378	ug/l	98
23) Vinyl Acetate	3.17	43	608425	285.951	ug/l	98
24) 1,1-Dichloroethane	2.86	63	146640	52.950	ug/l	98
25) 2-Butanone	4.32	43	160926	247.177	ug/l	99
26) 2,2-Dichloropropane	3.59	77	87811	48.908	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	111539	51.798	ug/l	93
28) Bromochloromethane	3.69	49	69784	52.505	ug/l	91
29) Tetrahydrofuran	4.05	42	65121	235.968	ug/l	96
30) Chloroform	3.84	83	224413	52.651	ug/l	99
31) Cyclohexane	3.67	56	137548m	47.857	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	126487	42.790	ug/l	96
36) 1,1-Dichloropropene	4.26	75	154695	48.767	ug/l	97
37) Ethyl Acetate	4.09	43	62682	48.625	ug/l #	90
38) Carbon Tetrachloride	3.97	117	134299	47.933	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	151686m	45.629	ug/l	
40) Benzene	4.61	78	329140	46.967	ug/l	97
41) Methacrylonitrile	4.73	41	34232	51.398	ug/l	93
42) 1,2-Dichloroethane	4.93	62	129581	50.648	ug/l	97
43) Isopropyl Acetate	6.95	43	75069	47.038	ug/l #	96
44) Trichloroethene	5.49	130	107130	46.754	ug/l	97
45) 1,2-Dichloropropane	6.22	63	90666	49.815	ug/l	95
46) Dibromomethane	6.07	93	59379	48.093	ug/l	98
47) Bromodichloromethane	6.37	83	171039	52.158	ug/l	97
48) Methyl methacrylate	6.70	41	53745	46.060	ug/l	93
49) 1,4-Dioxane	6.69	88	8423	986.329	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	285874	240.486	ug/l	100
52) Toluene	7.61	92	221422	44.982	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	127742	47.890	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	160721	48.671	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	67260	46.892	ug/l	92
56) Ethyl methacrylate	8.61	69	75666	47.488	ug/l	99
57) 1,3-Dichloropropane	8.83	76	126258	50.313	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	54561	334.773	ug/l	99
59) 2-Hexanone	9.47	43	203377	243.866	ug/l	97
60) Dibromochloromethane	8.71	129	105287	49.265	ug/l	97
61) 1,2-Dibromoethane	8.97	107	74677	48.194	ug/l	98
64) Tetrachloroethene	8.13	164	97368	47.026	ug/l	94
65) Chlorobenzene	9.78	112	263517	49.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	107831	47.564	ug/l	96
67) Ethyl Benzene	9.89	91	466923	47.559	ug/l	98
68) m/p-Xylenes	10.12	106	328353	92.991	ug/l	98
69) o-Xylene	10.70	106	185660	47.682	ug/l	94
70) Styrene	10.78	104	252731	46.824	ug/l	98
71) Bromoform	10.77	173	51726	47.236	ug/l	96
73) Isopropylbenzene	11.11	105	554042	50.147	ug/l	99
74) N-amyl acetate	11.36	43	120602	47.272	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	91998	50.595	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	69031m	52.230	ug/l	
77) Bromobenzene	11.49	156	114721	47.362	ug/l	92
78) n-propylbenzene	11.59	91	640679	49.517	ug/l	99
79) 2-Chlorotoluene	11.71	91	357513	48.190	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	430706	48.020	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	31580m	48.767	ug/l	
82) 4-Chlorotoluene	11.89	91	368031	47.139	ug/l	97
83) tert-Butylbenzene	12.12	119	483289	52.897	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	451175	50.402	ug/l	99
85) sec-Butylbenzene	12.30	105	628697	50.267	ug/l	100
86) p-Isopropyltoluene	12.45	119	513931	49.012	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	213403	46.317	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	213847	47.626	ug/l	94
89) n-Butylbenzene	12.84	91	522210	49.251	ug/l	99
90) Hexachloroethane	12.91	117	125969	49.888	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	205326	47.058	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	17839	50.744	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	153725	50.423	ug/l	97
94) Hexachlorobutadiene	14.18	225	101008	49.701	ug/l	97
95) Naphthalene	14.45	128	286423	48.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	143108	50.555	ug/l	98

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

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