

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060911.D
 Acq On : 6 Dec 2018 11:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:25 PM

Quant Time: Dec 06 12:29:25 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	194896	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	323790	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	293805	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	147690	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	116104	50.57	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.14%	
35) Dibromofluoromethane	4.11	113	123908	48.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	7.54	98	361106	47.72	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.41	95	155952	45.35	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	129756	44.527	ug/l	96
3) Chloromethane	1.10	50	83456	44.011	ug/l	99
4) Vinyl Chloride	1.15	62	83709	47.326	ug/l	96
5) Bromomethane	1.33	94	59911	48.035	ug/l	95
6) Chloroethane	1.39	64	38366	50.179	ug/l	100
7) Trichlorofluoromethane	1.48	101	188238	49.601	ug/l	90
8) Diethyl Ether	1.62	74	26244	48.090	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.83	101	95176	49.607	ug/l	96
10) Methyl Iodide	1.90	142	128741m	44.146	ug/l	
11) Tert butyl alcohol	2.57	59	22768	241.914	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	71771	46.508	ug/l	95
13) Acrolein	2.00	56	19936	223.568	ug/l	100
14) Allyl chloride	2.09	41	98340	51.127	ug/l	99
15) Acrylonitrile	2.94	53	45341	214.885	ug/l	93
16) Acetone	2.24	43	125235	295.795	ug/l #	92
17) Carbon Disulfide	1.83	76	193990m	46.883	ug/l	
18) Methyl Acetate	2.34	43	39924	56.419	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	166137	47.799	ug/l	99
20) Methylene Chloride	2.24	84	77006m	49.578	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	74184	49.863	ug/l	98
22) Diisopropyl ether	2.80	45	266110	50.827	ug/l	97
23) Vinyl Acetate	3.18	43	647850	270.697	ug/l	98
24) 1,1-Dichloroethane	2.87	63	157074	50.425	ug/l	99
25) 2-Butanone	4.33	43	191182	261.068	ug/l	97
26) 2,2-Dichloropropane	3.59	77	98033	48.543	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	116987	48.300	ug/l	94
28) Bromochloromethane	3.70	49	69502	46.491	ug/l	92
29) Tetrahydrofuran	4.06	42	67726	218.179	ug/l	98
30) Chloroform	3.85	83	231668	48.323	ug/l	99
31) Cyclohexane	3.69	56	142264m	44.006	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	147956	44.500	ug/l	98
36) 1,1-Dichloropropene	4.27	75	186079	51.813	ug/l	99
37) Ethyl Acetate	4.10	43	62913	43.108	ug/l #	85
38) Carbon Tetrachloride	3.98	117	140743	44.369	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	171989	45.697	ug/l	96
40) Benzene	4.62	78	367371	46.303	ug/l	100
41) Methacrylonitrile	4.74	41	35653	46.946	ug/l	91
42) 1,2-Dichloroethane	4.94	62	136328	47.066	ug/l	93
43) Isopropyl Acetate	6.95	43	82596	45.632	ug/l #	99
44) Trichloroethene	5.50	130	120874	46.594	ug/l	94
45) 1,2-Dichloropropane	6.23	63	97984	47.551	ug/l	95
46) Dibromomethane	6.07	93	62273	44.550	ug/l	94
47) Bromodichloromethane	6.38	83	176607	47.569	ug/l	97
48) Methyl methacrylate	6.70	41	56539	42.799	ug/l	91
49) 1,4-Dioxane	6.69	88	9030	933.977	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	281202	208.942	ug/l	97
52) Toluene	7.62	92	249838	44.830	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	128819	42.657	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	175875	47.043	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	69309	42.681	ug/l	97
56) Ethyl methacrylate	8.61	69	76696	42.516	ug/l	98
57) 1,3-Dichloropropane	8.84	76	125907	44.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	52120	282.466	ug/l	95
59) 2-Hexanone	9.49	43	210886	223.352	ug/l	99
60) Dibromochloromethane	8.71	129	108380	44.793	ug/l	93
61) 1,2-Dibromoethane	8.97	107	75179	42.855	ug/l	99
64) Tetrachloroethene	8.14	164	101231	45.110	ug/l	97
65) Chlorobenzene	9.79	112	282180	49.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	116284	47.325	ug/l	96
67) Ethyl Benzene	9.89	91	492144	46.251	ug/l	100
68) m/p-Xylenes	10.13	106	341578	89.253	ug/l	99
69) o-Xylene	10.71	106	196974	46.675	ug/l	94
70) Styrene	10.79	104	262782	44.920	ug/l	97
71) Bromoform	10.77	173	55595	46.842	ug/l	96
73) Isopropylbenzene	11.12	105	594255	50.916	ug/l	97
74) N-amyl acetate	11.37	43	118856	44.101	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	92053	47.923	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	66799m	47.844	ug/l	
77) Bromobenzene	11.49	156	122864	48.017	ug/l	86
78) n-propylbenzene	11.59	91	673501	49.276	ug/l	99
79) 2-Chlorotoluene	11.71	91	389640	49.718	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	452752	47.784	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	40268	58.864	ug/l	98
82) 4-Chlorotoluene	11.89	91	381138	46.212	ug/l	96
83) tert-Butylbenzene	12.13	119	494093	51.194	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	463751	49.042	ug/l	99
85) sec-Butylbenzene	12.30	105	651401	49.303	ug/l	98
86) p-Isopropyltoluene	12.45	119	560142	50.568	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	235601	48.406	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	223835	47.190	ug/l	97
89) n-Butylbenzene	12.84	91	549660	49.074	ug/l	96
90) Hexachloroethane	12.91	117	137281	51.467	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	212192	46.037	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18671	50.276	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	156597	48.624	ug/l	97
94) Hexachlorobutadiene	14.18	225	107272	49.966	ug/l	98
95) Naphthalene	14.45	128	286399	45.503	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	143660	48.041	ug/l	97

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

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