

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060437.D
 Acq On : 4 Oct 2018 15:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:26:23 PM

Quant Time: Oct 04 17:28:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	269426	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	461186	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	404033	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	196501	46.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	4.28	113	209211	48.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	7.70	98	540929	50.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.50	95	232061	47.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	271543	46.500	ug/l	99
3) Chloromethane	1.13	50	184649	50.470	ug/l	97
4) Vinyl Chloride	1.18	62	195162	51.279	ug/l	99
5) Bromomethane	1.36	94	140585	47.689	ug/l	98
6) Chloroethane	1.44	64	99549	52.415	ug/l	95
7) Trichlorofluoromethane	1.54	101	416110	47.124	ug/l	99
8) Diethyl Ether	1.69	74	61950	51.193	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	204970	48.460	ug/l	98
10) Methyl Iodide	1.97	142	326239m	50.578	ug/l	
11) Tert butyl alcohol	2.68	59	60344	236.636	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	165582	50.666	ug/l	99
13) Acrolein	2.08	56	46071	224.650	ug/l	97
14) Allyl chloride	2.19	41	280717	53.607	ug/l	93
15) Acrylonitrile	3.06	53	117892	269.804	ug/l	90
16) Acetone	2.34	43	258345	302.476	ug/l	95
17) Carbon Disulfide	1.89	76	494598	49.979	ug/l	95
18) Methyl Acetate	2.44	43	81889	51.744	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	385180	48.390	ug/l	98
20) Methylene Chloride	2.28	84	162258m	53.075	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	162780	49.872	ug/l	96
22) Diisopropyl ether	2.92	45	503637	52.986	ug/l	94
23) Vinyl Acetate	3.32	43	1014752	268.756	ug/l	97
24) 1,1-Dichloroethane	3.00	63	320647	49.885	ug/l	100
25) 2-Butanone	4.49	43	296326	271.452	ug/l	92
26) 2,2-Dichloropropane	3.75	77	179836	49.399	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	187802	51.462	ug/l	99
28) Bromochloromethane	3.87	49	118528	50.034	ug/l	96
29) Tetrahydrofuran	4.24	42	118637	289.220	ug/l	98
30) Chloroform	4.03	83	404944	51.056	ug/l	94
31) Cyclohexane	3.84	56	240763	52.163	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	324496	49.166	ug/l	97
36) 1,1-Dichloropropene	4.44	75	295836	52.028	ug/l	97
37) Ethyl Acetate	4.28	43	107917	49.562	ug/l #	82
38) Carbon Tetrachloride	4.16	117	362028	52.307	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	290903	52.186	ug/l	92
40) Benzene	4.80	78	600960	53.239	ug/l	100
41) Methacrylonitrile	4.91	41	59897	51.881	ug/l	91
42) 1,2-Dichloroethane	5.11	62	268406	49.842	ug/l	98
43) Isopropyl Acetate	7.10	43	143560	54.557	ug/l	94
44) Trichloroethene	5.66	130	183703	50.720	ug/l	98
45) 1,2-Dichloropropane	6.39	63	162153	53.942	ug/l	94
46) Dibromomethane	6.25	93	107653	44.542	ug/l	90
47) Bromodichloromethane	6.53	83	292630	48.887	ug/l	93
48) Methyl methacrylate	6.86	41	95169	50.384	ug/l	95
49) 1,4-Dioxane	6.86	88	16952	1040.874	ug/l #	72
51) 4-Methyl-2-Pentanone	8.40	43	516431	275.706	ug/l	97
52) Toluene	7.77	92	371282	48.426	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	233281	49.729	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	292826	53.411	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	120271	49.490	ug/l	92
56) Ethyl methacrylate	8.75	69	143752	52.055	ug/l	99
57) 1,3-Dichloropropane	8.99	76	217672	52.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	66857	237.017	ug/l	100
59) 2-Hexanone	9.62	43	385079	280.280	ug/l	100
60) Dibromochloromethane	8.85	129	184902	50.533	ug/l	99
61) 1,2-Dibromoethane	9.13	107	143524	53.973	ug/l	96
64) Tetrachloroethene	8.30	164	171307	53.336	ug/l	96
65) Chlorobenzene	9.94	112	444617	53.571	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	188488	52.013	ug/l	94
67) Ethyl Benzene	10.03	91	820509	51.994	ug/l	99
68) m/p-Xylenes	10.26	106	563035	103.787	ug/l	95
69) o-Xylene	10.82	106	318853	53.922	ug/l	97
70) Styrene	10.89	104	434518	51.661	ug/l	99
71) Bromoform	10.88	173	96796	50.169	ug/l #	91
73) Isopropylbenzene	11.22	105	933437	53.091	ug/l	98
74) N-amyl acetate	11.45	43	218239	54.085	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	171927	53.636	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	123317	52.257	ug/l	92
77) Bromobenzene	11.59	156	200033	50.897	ug/l	96
78) n-propylbenzene	11.68	91	1088353	51.062	ug/l	98
79) 2-Chlorotoluene	11.81	91	642038	51.495	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	756378	50.636	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	59556m	56.933	ug/l	
82) 4-Chlorotoluene	11.99	91	638416	50.044	ug/l	97
83) tert-Butylbenzene	12.21	119	772307	52.419	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	763392	51.531	ug/l	99
85) sec-Butylbenzene	12.38	105	1042553	51.265	ug/l	99
86) p-Isopropyltoluene	12.54	119	842009	50.679	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	373647	50.523	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	360303	49.407	ug/l	99
89) n-Butylbenzene	12.91	91	888585	50.542	ug/l	98
90) Hexachloroethane	12.99	117	223600	52.071	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	353085	49.828	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	33780	54.360	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	269463	50.877	ug/l	94
94) Hexachlorobutadiene	14.25	225	183582	49.663	ug/l	96
95) Naphthalene	14.52	128	536293	56.633	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	255839	51.531	ug/l	97

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

