

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060298.D
 Acq On : 20 Sep 2018 12:49
 Operator : VA/AP
 Sample : VF0920SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:04:59 AM

Quant Time: Sep 20 16:01:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	244588	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	406391	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	353003	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	185374	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	166277	50.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.98%	
35) Dibromofluoromethane	4.28	113	176211	48.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	7.69	98	418951	44.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.49	95	187675	46.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	103613	25.200	ug/l	98
3) Chloromethane	1.12	50	77158	23.149	ug/l	98
4) Vinyl Chloride	1.17	62	80735	23.768	ug/l	99
5) Bromomethane	1.35	94	53391	24.255	ug/l	95
6) Chloroethane	1.43	64	34922	21.587	ug/l	91
7) Trichlorofluoromethane	1.53	101	152147	24.042	ug/l	99
8) Diethyl Ether	1.69	74	20903	19.853	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	78817	23.419	ug/l	95
10) Methyl Iodide	1.96	142	124766	22.989	ug/l	96
11) Tert butyl alcohol	2.67	59	25526	130.913	ug/l	99
12) 1,1-Dichloroethene	1.85	96	65961	23.698	ug/l	94
13) Acrolein	2.08	56	11526m	173.960	ug/l	
14) Allyl chloride	2.18	41	107357	22.103	ug/l	95
15) Acrylonitrile	3.06	53	46494	99.955	ug/l	94
16) Acetone	2.32	43	105347	113.581	ug/l	95
17) Carbon Disulfide	1.87	76	204366	25.899	ug/l	94
18) Methyl Acetate	2.43	43	29726	19.238	ug/l #	88
19) Methyl tert-butyl Ether	2.52	73	154846	22.316	ug/l	96
20) Methylene Chloride	2.27	84	73518m	25.740	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	63888	22.224	ug/l	97
22) Diisopropyl ether	2.91	45	192093	20.961	ug/l	93
23) Vinyl Acetate	3.31	43	375287	104.269	ug/l	100
24) 1,1-Dichloroethane	2.98	63	128076	21.550	ug/l	98
25) 2-Butanone	4.48	43	130594	104.607	ug/l	98
26) 2,2-Dichloropropane	3.74	77	79333	23.394	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	82201	21.765	ug/l	91
28) Bromochloromethane	3.87	49	47745	20.634	ug/l	85
29) Tetrahydrofuran	4.23	42	46710	102.171	ug/l	97
30) Chloroform	4.01	83	163033	22.734	ug/l	92
31) Cyclohexane	3.84	56	106820	21.278	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	132717	23.455	ug/l	98
36) 1,1-Dichloropropene	4.44	75	109149	21.532	ug/l	96
37) Ethyl Acetate	4.27	43	51219	23.879	ug/l	99
38) Carbon Tetrachloride	4.15	117	125549m	23.058	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	124925	22.739	ug/l	97
40) Benzene	4.79	78	241407	21.002	ug/l	96
41) Methacrylonitrile	4.90	41	23919	20.551	ug/l	92
42) 1,2-Dichloroethane	5.09	62	93445	22.087	ug/l	100
43) Isopropyl Acetate	7.09	43	56106	21.728	ug/l #	94
44) Trichloroethene	5.66	130	76221	22.282	ug/l	98
45) 1,2-Dichloropropane	6.38	63	61115	20.544	ug/l	98
46) Dibromomethane	6.24	93	45539	21.416	ug/l	95
47) Bromodichloromethane	6.52	83	113646	22.240	ug/l	99
48) Methyl methacrylate	6.85	41	35569	19.623	ug/l	95
49) 1,4-Dioxane	6.85	88	7778	480.309	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	203171	102.087	ug/l	95
52) Toluene	7.76	92	150242	20.662	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	86048	20.876	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	108638	20.922	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	46732	21.175	ug/l	89
56) Ethyl methacrylate	8.74	69	54396	20.408	ug/l	92
57) 1,3-Dichloropropane	8.98	76	74615	20.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	24874	105.562	ug/l	100
59) 2-Hexanone	9.61	43	160165	113.029	ug/l	99
60) Dibromochloromethane	8.84	129	70860	21.542	ug/l	91
61) 1,2-Dibromoethane	9.12	107	52399	21.321	ug/l	93
64) Tetrachloroethene	8.29	164	70271	21.959	ug/l	93
65) Chlorobenzene	9.92	112	172585	21.572	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	73347	22.091	ug/l	93
67) Ethyl Benzene	10.02	91	324680	21.949	ug/l	96
68) m/p-Xylenes	10.25	106	221890	43.417	ug/l	92
69) o-Xylene	10.81	106	123992	21.630	ug/l	92
70) Styrene	10.89	104	181818	22.491	ug/l	95
71) Bromoform	10.87	173	38594	21.165	ug/l	83
73) Isopropylbenzene	11.22	105	364588	21.908	ug/l	98
74) N-amyl acetate	11.45	43	84237	23.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	63092	21.393	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	46314	21.932	ug/l	97
77) Bromobenzene	11.58	156	77246	21.538	ug/l	95
78) n-propylbenzene	11.68	91	435781	21.877	ug/l	100
79) 2-Chlorotoluene	11.80	91	248106	22.102	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	311523	23.255	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	22786m	20.418	ug/l	
82) 4-Chlorotoluene	11.97	91	247123	21.902	ug/l	99
83) tert-Butylbenzene	12.20	119	299168	22.031	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	293809	21.599	ug/l	96
85) sec-Butylbenzene	12.38	105	411407	21.205	ug/l	99
86) p-Isopropyltoluene	12.53	119	343391	22.883	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	151568	22.616	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	143570	21.674	ug/l	97
89) n-Butylbenzene	12.91	91	356872	21.754	ug/l	96
90) Hexachloroethane	12.98	117	82236	21.642	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	136653	21.375	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11872	21.440	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	104754	22.543	ug/l	96
94) Hexachlorobutadiene	14.24	225	69795	22.219	ug/l	96
95) Naphthalene	14.51	128	190329	23.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94422	21.991	ug/l	96

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

