

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060382.D
 Acq On : 28 Sep 2018 22:13
 Operator : VA/AP
 Sample : VF0928SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:03:56 PM

Quant Time: Sep 29 01:16:39 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	5.02	168	237102	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	418753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	354648	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	191800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	156467	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
35) Dibromofluoromethane	4.27	113	177679	47.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.20%	
50) Toluene-d8	7.69	98	423758	43.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	11.49	95	175660	41.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	121332	31.906	ug/l	100
3) Chloromethane	1.11	50	95602	29.588	ug/l	95
4) Vinyl Chloride	1.17	62	95468	28.992	ug/l	93
5) Bromomethane	1.34	94	61766	30.523	ug/l	91
6) Chloroethane	1.42	64	41909	26.724	ug/l	100
7) Trichlorofluoromethane	1.53	101	178856	29.155	ug/l	98
8) Diethyl Ether	1.69	74	25376	24.862	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.88	101	98307	30.132	ug/l #	85
10) Methyl Iodide	1.95	142	157179	29.875	ug/l	95
11) Tert butyl alcohol	2.66	59	26712	142.745	ug/l	96
12) 1,1-Dichloroethene	1.84	96	84053	31.152	ug/l	92
13) Acrolein	2.07	56	9987	144.488	ug/l	87
14) Allyl chloride	2.18	41	133991	28.457	ug/l	95
15) Acrylonitrile	3.06	53	61206	135.739	ug/l	87
16) Acetone	2.32	43	107742	119.830	ug/l	100
17) Carbon Disulfide	1.88	76	239022	32.887	ug/l	97
18) Methyl Acetate	2.44	43	37838	25.261	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	194177	28.868	ug/l	99
20) Methylene Chloride	2.27	84	86963m	33.332	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	80596	28.921	ug/l	95
22) Diisopropyl ether	2.91	45	237349	26.717	ug/l	98
23) Vinyl Acetate	3.31	43	473855	135.811	ug/l	98
24) 1,1-Dichloroethane	2.99	63	150595	26.139	ug/l	98
25) 2-Butanone	4.49	43	128414	106.109	ug/l	95
26) 2,2-Dichloropropane	3.75	77	84399	25.674	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	91963	25.119	ug/l	90
28) Bromochloromethane	3.87	49	60426	26.939	ug/l	99
29) Tetrahydrofuran	4.23	42	56449	127.372	ug/l	100
30) Chloroform	4.01	83	181766	26.147	ug/l	98
31) Cyclohexane	3.85	56	128788	26.464	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	146760	26.755	ug/l	98
36) 1,1-Dichloropropene	4.44	75	123371	23.619	ug/l	97
37) Ethyl Acetate	4.26	43	51796	23.436	ug/l #	75
38) Carbon Tetrachloride	4.15	117	138506	24.687	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	143342	25.321	ug/l	96
40) Benzene	4.78	78	281655	23.781	ug/l	99
41) Methacrylonitrile	4.90	41	27712	23.107	ug/l	98
42) 1,2-Dichloroethane	5.10	62	96823	22.210	ug/l	97
43) Isopropyl Acetate	7.09	43	59481	22.355	ug/l	97
44) Trichloroethene	5.66	130	89985	25.529	ug/l	94
45) 1,2-Dichloropropane	6.38	63	71713	23.395	ug/l	100
46) Dibromomethane	6.23	93	52109	23.783	ug/l	94
47) Bromodichloromethane	6.53	83	112924	21.446	ug/l	95
48) Methyl methacrylate	6.85	41	40525	21.697	ug/l	97
49) 1,4-Dioxane	6.85	88	6842	410.036	ug/l #	86
51) 4-Methyl-2-Pentanone	8.39	43	218893	106.740	ug/l	98
52) Toluene	7.76	92	168761	22.523	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	97310	22.911	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	120854	22.587	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	52642	23.148	ug/l	89
56) Ethyl methacrylate	8.74	69	58001	21.118	ug/l	93
57) 1,3-Dichloropropane	8.98	76	86450	22.959	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.76	63	26823	110.473	ug/l	100
59) 2-Hexanone	9.61	43	136634	93.577	ug/l	98
60) Dibromochloromethane	8.84	129	75463	22.264	ug/l	98
61) 1,2-Dibromoethane	9.12	107	56316	22.238	ug/l	83
64) Tetrachloroethene	8.29	164	76028	23.648	ug/l	96
65) Chlorobenzene	9.93	112	193765	24.106	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	83621	25.068	ug/l	95
67) Ethyl Benzene	10.03	91	365181	24.572	ug/l	97
68) m/p-Xylenes	10.25	106	257610	50.172	ug/l	94
69) o-Xylene	10.81	106	133597	23.198	ug/l	87
70) Styrene	10.88	104	194064	23.894	ug/l	94
71) Bromoform	10.87	173	39947	21.805	ug/l	96
73) Isopropylbenzene	11.22	105	414151	24.053	ug/l	97
74) N-amyl acetate	11.45	43	81307	22.144	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.77	83	75284	24.671	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	54013	24.721	ug/l	83
77) Bromobenzene	11.58	156	84647	22.811	ug/l	97
78) n-propylbenzene	11.67	91	480648	23.982	ug/l	100
79) 2-Chlorotoluene	11.80	91	276409	23.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	346420	24.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24551m	21.262	ug/l	
82) 4-Chlorotoluene	11.98	91	273179	23.401	ug/l	99
83) tert-Butylbenzene	12.20	119	343394	24.440	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	338746	24.069	ug/l	96
85) sec-Butylbenzene	12.37	105	476842	24.961	ug/l	94
86) p-Isopropyltoluene	12.53	119	391562	26.180	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	164020	23.654	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	160995	23.490	ug/l	99
89) n-Butylbenzene	12.90	91	417240	25.337	ug/l	97
90) Hexachloroethane	12.98	117	90870	23.112	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	162581	24.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13266	23.155	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	115090	23.938	ug/l	96
94) Hexachlorobutadiene	14.24	225	71833	22.102	ug/l	93
95) Naphthalene	14.51	128	204617	24.274	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	107005	24.086	ug/l	96

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

