

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060313.D
 Acq On : 21 Sep 2018 13:46
 Operator : VA/AP
 Sample : VF0921SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Manual Integrations
 APPROVED

apatel
 9/24/2018 12:52:53 PM

Quant Time: Sep 21 14:52:34 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	238216	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	414876	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	380986	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	207333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	178476	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
35) Dibromofluoromethane	4.28	113	184855	49.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.96%	
50) Toluene-d8	7.70	98	443088	46.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	11.50	95	202331	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	105056	26.524	ug/l	94
3) Chloromethane	1.12	50	76648	23.611	ug/l	95
4) Vinyl Chloride	1.17	62	80001	24.181	ug/l	99
5) Bromomethane	1.35	94	54204	25.629	ug/l	91
6) Chloroethane	1.43	64	34060	21.617	ug/l	97
7) Trichlorofluoromethane	1.53	101	148760	24.135	ug/l	98
8) Diethyl Ether	1.69	74	24606	23.995	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79445	24.237	ug/l #	85
10) Methyl Iodide	1.96	142	123751m	23.411	ug/l	
11) Tert butyl alcohol	2.67	59	29711	159.946	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	63108	23.280	ug/l	90
13) Acrolein	2.08	56	13304	222.360	ug/l	88
14) Allyl chloride	2.18	41	111549	23.580	ug/l	92
15) Acrylonitrile	3.06	53	60075	132.607	ug/l #	85
16) Acetone	2.32	43	133956	148.289	ug/l	93
17) Carbon Disulfide	1.87	76	203882	26.722	ug/l	96
18) Methyl Acetate	2.44	43	33790	22.453	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	170530	25.234	ug/l	95
20) Methylene Chloride	2.27	84	90210m	34.698	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67562	24.130	ug/l	87
22) Diisopropyl ether	2.91	45	211258	23.669	ug/l	92
23) Vinyl Acetate	3.32	43	408058	116.406	ug/l	99
24) 1,1-Dichloroethane	2.99	63	135314	23.377	ug/l #	96
25) 2-Butanone	4.49	43	143143	117.726	ug/l	95
26) 2,2-Dichloropropane	3.74	77	73980	22.399	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	80761	21.956	ug/l	93
28) Bromochloromethane	3.86	49	51765	22.970	ug/l	84
29) Tetrahydrofuran	4.24	42	57196	128.454	ug/l	96
30) Chloroform	4.02	83	163540	23.415	ug/l	95
31) Cyclohexane	3.85	56	108695	22.231	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	126581	22.969	ug/l	98
36) 1,1-Dichloropropene	4.44	75	110957	21.441	ug/l	93
37) Ethyl Acetate	4.27	43	49114	22.430	ug/l	98
38) Carbon Tetrachloride	4.15	117	122678m	22.070	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122127	21.775	ug/l	97
40) Benzene	4.79	78	253122	21.571	ug/l	98
41) Methacrylonitrile	4.90	41	26900	22.640	ug/l	96
42) 1,2-Dichloroethane	5.10	62	102052	23.628	ug/l	99
43) Isopropyl Acetate	7.10	43	55432	21.028	ug/l #	99
44) Trichloroethene	5.66	130	75209	21.536	ug/l	95
45) 1,2-Dichloropropane	6.39	63	63825	21.017	ug/l	96
46) Dibromomethane	6.24	93	49635	22.865	ug/l	95
47) Bromodichloromethane	6.53	83	114895	22.025	ug/l	93
48) Methyl methacrylate	6.86	41	39661	21.433	ug/l	92
49) 1,4-Dioxane	6.85	88	7741	468.248	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	217499	107.051	ug/l	96
52) Toluene	7.77	92	156676	21.106	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	97358	23.137	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	106530	20.096	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47423	21.048	ug/l	96
56) Ethyl methacrylate	8.74	69	55662	20.456	ug/l	99
57) 1,3-Dichloropropane	8.99	76	82834	22.204	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	25870	107.544	ug/l	100
59) 2-Hexanone	9.62	43	159596	110.324	ug/l	98
60) Dibromochloromethane	8.85	129	76397	22.750	ug/l	94
61) 1,2-Dibromoethane	9.12	107	56279	22.431	ug/l	90
64) Tetrachloroethene	8.29	164	68117	19.723	ug/l	96
65) Chlorobenzene	9.92	112	182550	21.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	77701	21.683	ug/l	97
67) Ethyl Benzene	10.02	91	337855	21.162	ug/l	97
68) m/p-Xylenes	10.25	106	233310	42.298	ug/l	100
69) o-Xylene	10.81	106	124088	20.057	ug/l	93
70) Styrene	10.89	104	179915	20.621	ug/l	97
71) Bromoform	10.88	173	42831	21.763	ug/l	90
73) Isopropylbenzene	11.22	105	394021	21.169	ug/l	100
74) N-amyl acetate	11.45	43	79361	19.995	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	73411	22.255	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	50224	21.265	ug/l	92
77) Bromobenzene	11.58	156	80564	20.084	ug/l	96
78) n-propylbenzene	11.68	91	460418	20.111	ug/l	98
79) 2-Chlorotoluene	11.80	91	260612	20.757	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	317326	21.180	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24224m	19.408	ug/l	
82) 4-Chlorotoluene	11.97	91	261182	20.697	ug/l	94
83) tert-Butylbenzene	12.20	119	325823	21.452	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	314152	20.649	ug/l	99
85) sec-Butylbenzene	12.38	105	434197	19.444	ug/l	96
86) p-Isopropyltoluene	12.53	119	362731	21.088	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	148997	19.878	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	150887	20.366	ug/l	98
89) n-Butylbenzene	12.91	91	375591	20.142	ug/l	97
90) Hexachloroethane	12.99	117	89700	21.106	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	152753	21.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12916	20.855	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	114170	21.968	ug/l	97
94) Hexachlorobutadiene	14.25	225	72449	20.621	ug/l	98
95) Naphthalene	14.52	128	180835	19.846	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	101868	21.212	ug/l	99

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

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