

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059334.D
 Acq On : 27 Jun 2018 13:01
 Operator : VA/AP
 Sample : VF0627SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0627SBS01

Manual Integrations
 APPROVED

apatel
 6/28/2018 11:09:50 AM

Quant Time: Jun 27 16:40:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	294522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	473608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	467922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	283842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	173381	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	
35) Dibromofluoromethane	4.28	113	155964	45.07	ug/l	0.00
Spiked Amount						
			Recovery	=	90.14%	
50) Toluene-d8	7.70	98	362881	42.35	ug/l	0.00
Spiked Amount						
			Recovery	=	84.70%	
62) 4-Bromofluorobenzene	11.50	95	200160	41.41	ug/l	0.00
Spiked Amount						
			Recovery	=	82.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	55339	20.57	ug/l	93
3) Chloromethane	1.08	50	36161	20.00	ug/l	95
4) Vinyl Chloride	1.14	62	42199	23.71	ug/l	99
5) Bromomethane	1.34	94	24793	22.21	ug/l	99
6) Chloroethane	1.42	64	20934	23.36	ug/l	94
7) Trichlorofluoromethane	1.48	101	69449m	19.74	ug/l	
8) Diethyl Ether	1.69	74	20324	22.53	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44728	21.78	ug/l	97
10) Methyl Iodide	1.96	142	83001m	22.16	ug/l	
11) Tert butyl alcohol	2.67	59	26061	102.88	ug/l	95
12) 1,1-Dichloroethene	1.85	96	37987	21.88	ug/l	93
13) Acrolein	2.08	56	15834	121.12	ug/l	94
14) Allyl chloride	2.18	41	75278	23.09	ug/l	91
15) Acrylonitrile	3.07	53	56308	126.22	ug/l	87
16) Acetone	2.32	43	129716	131.67	ug/l	98
17) Carbon Disulfide	1.86	76	91494m	22.40	ug/l	
18) Methyl Acetate	2.44	43	37009	20.87	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	144451	22.30	ug/l	# 89
20) Methylene Chloride	2.26	84	57116m	22.74	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	44718	24.14	ug/l	91
22) Diisopropyl ether	2.92	45	165213	22.89	ug/l	94
23) Vinyl Acetate	3.32	43	553213	120.35	ug/l	99
24) 1,1-Dichloroethane	2.98	63	98723	22.06	ug/l	98
25) 2-Butanone	4.49	43	149259	128.33	ug/l	94
26) 2,2-Dichloropropane	3.74	77	73574	23.84	ug/l	84
27) cis-1,2-Dichloroethene	3.63	96	63133	22.45	ug/l	88
28) Bromochloromethane	3.87	49	45607	24.36	ug/l	95
29) Tetrahydrofuran	4.24	42	63299	124.90	ug/l	97
30) Chloroform	4.02	83	131358	20.28	ug/l	98
31) Cyclohexane	3.84	56	65009	22.17	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	106745	22.52	ug/l	93
36) 1,1-Dichloropropene	4.44	75	88843	21.47	ug/l	99
37) Ethyl Acetate	4.28	43	57878	21.01	ug/l	96
38) Carbon Tetrachloride	4.16	117	100477m	19.24	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	82857	22.60	ug/l	96
40) Benzene	4.80	78	196336	21.40	ug/l	98
41) Methacrylonitrile	4.91	41	27792	19.69	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	101322	18.90	ug/l	99
43) Isopropyl Acetate	7.09	43	74494	21.62	ug/l #	100
44) Trichloroethene	5.67	130	67071	21.31	ug/l	93
45) 1,2-Dichloropropane	6.39	63	55930	21.34	ug/l #	87
46) Dibromomethane	6.24	93	45778	20.12	ug/l	98
47) Bromodichloromethane	6.53	83	97571	17.72	ug/l	95
48) Methyl methacrylate	6.86	41	49964	21.63	ug/l	90
49) 1,4-Dioxane	6.86	88	6177	479.07	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	285047	111.65	ug/l	100
52) Toluene	7.77	92	130102	18.95	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	101110	20.14	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	108114	19.83	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	54518	20.46	ug/l	96
56) Ethyl methacrylate	8.75	69	66702	20.20	ug/l	95
57) 1,3-Dichloropropane	8.99	76	96133	21.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	24170	97.61	ug/l	100
59) 2-Hexanone	9.62	43	246857	119.91	ug/l	100
60) Dibromochloromethane	8.85	129	83388	20.27	ug/l	93
61) 1,2-Dibromoethane	9.14	107	28151	8.71	ug/l #	63
64) Tetrachloroethene	8.30	164	66111	21.78	ug/l	96
65) Chlorobenzene	9.92	112	166843	19.24	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	76025	20.27	ug/l	93
67) Ethyl Benzene	10.02	91	313428	21.31	ug/l	95
68) m/p-Xylenes	10.26	106	224457	42.87	ug/l	100
69) o-Xylene	10.82	106	128245	21.90	ug/l	95
70) Styrene	10.89	104	195306	21.89	ug/l	98
71) Bromoform	10.88	173	51870	20.18	ug/l	98
73) Isopropylbenzene	11.22	105	364211	22.03	ug/l	100
74) N-amyl acetate	11.45	43	139577	23.26	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	89927	21.53	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	68999	21.90	ug/l	91
77) Bromobenzene	11.59	156	93621	20.41	ug/l	83
78) n-propylbenzene	11.69	91	313418	15.78	ug/l	100
79) 2-Chlorotoluene	11.81	91	262111	21.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	325697	22.49	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	39600	21.12	ug/l	98
82) 4-Chlorotoluene	11.98	91	272958	21.00	ug/l	97
83) tert-Butylbenzene	12.21	119	319879	22.08	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	320741	21.02	ug/l	100
85) sec-Butylbenzene	12.38	105	420222	21.88	ug/l	99
86) p-Isopropyltoluene	12.54	119	357791	22.20	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	182475	21.47	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	173142	21.13	ug/l	98
89) n-Butylbenzene	12.91	91	365064	22.31	ug/l	97
90) Hexachloroethane	12.99	117	85464	21.28	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	174154	20.91	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18536	20.02	ug/l	84

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93) 1,2,4-Trichlorobenzene	14.26	180	134772	21.88	ug/l	99
94) Hexachlorobutadiene	14.25	225	75359	21.91	ug/l	92
95) Naphthalene	14.52	128	279995	21.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	124334	21.31	ug/l	95

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

