

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061364.D
 Acq On : 11 Jan 2019 13:19
 Operator : VA/AP
 Sample : VF0111SBSD01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0111SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 1:16:43 PM

Quant Time: Jan 12 03:47:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	181828	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	304554	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	280563	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	137182	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	113330	56.00	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	112.00%	
35) Dibromofluoromethane	4.09	113	128914	55.32	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.64%	
50) Toluene-d8	7.54	98	342797	49.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.39	95	156429	51.95	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	63280	18.867	ug/l	93
3) Chloromethane	1.08	50	50670	16.953	ug/l	98
4) Vinyl Chloride	1.14	62	45170	16.921	ug/l	94
5) Bromomethane	1.29	94	28029	14.515	ug/l #	78
6) Chloroethane	1.38	64	20659	15.848	ug/l	95
7) Trichlorofluoromethane	1.47	101	83970	18.556	ug/l	96
8) Diethyl Ether	1.62	74	9777	14.713	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	42368	17.731	ug/l	95
10) Methyl Iodide	1.89	142	64665m	17.274	ug/l	
11) Tert butyl alcohol	2.56	59	8886	109.661	ug/l #	85
12) 1,1-Dichloroethene	1.78	96	32578	17.050	ug/l	98
13) Acrolein	1.98	56	8171	78.163	ug/l	97
14) Allyl chloride	2.08	41	53486	15.314	ug/l	92
15) Acrylonitrile	2.92	53	23380	81.391	ug/l	92
16) Acetone	2.22	43	47393	100.665	ug/l #	89
17) Carbon Disulfide	1.80	76	98011	15.530	ug/l #	89
18) Methyl Acetate	2.33	43	17338	18.718	ug/l #	82
19) Methyl tert-butyl Ether	2.42	73	60459	16.605	ug/l	99
20) Methylene Chloride	2.16	84	36004m	18.077	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	36086	17.823	ug/l	96
22) Diisopropyl ether	2.78	45	104744	15.502	ug/l	92
23) Vinyl Acetate	3.17	43	202464	102.461	ug/l	97
24) 1,1-Dichloroethane	2.85	63	69252	17.718	ug/l	99
25) 2-Butanone	4.31	43	75440	99.559	ug/l	91
26) 2,2-Dichloropropane	3.58	77	41992	16.078	ug/l	100
27) cis-1,2-Dichloroethene	3.45	96	50718	17.941	ug/l	99
28) Bromochloromethane	3.70	49	35264	20.463	ug/l	93
29) Tetrahydrofuran	4.06	42	30723	96.973	ug/l	100
30) Chloroform	3.83	83	90628	18.266	ug/l	100
31) Cyclohexane	3.67	56	70715	17.246	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	70630	17.624	ug/l	98
36) 1,1-Dichloropropene	4.25	75	69241	19.469	ug/l	93
37) Ethyl Acetate	4.08	43	29272	22.602	ug/l #	72
38) Carbon Tetrachloride	3.97	117	57081	16.946	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.44	83	79670	17.903	ug/l	96
40) Benzene	4.61	78	156233	18.816	ug/l	100
41) Methacrylonitrile	4.72	41	16219	22.425	ug/l #	85
42) 1,2-Dichloroethane	4.91	62	54855	21.220	ug/l	96
43) Isopropyl Acetate	6.95	43	35554	20.793	ug/l #	99
44) Trichloroethene	5.49	130	49233	20.261	ug/l	97
45) 1,2-Dichloropropane	6.21	63	39489	18.702	ug/l	94
46) Dibromomethane	6.07	93	26068	20.108	ug/l #	86
47) Bromodichloromethane	6.36	83	67236	20.853	ug/l	96
48) Methyl methacrylate	6.70	41	21198	19.100	ug/l #	80
49) 1,4-Dioxane	6.68	88	3277	467.935	ug/l	89
51) 4-Methyl-2-Pentanone	8.24	43	136399	105.686	ug/l	94
52) Toluene	7.61	92	102290	19.167	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	52241	20.632	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	67578	20.129	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	27066	18.124	ug/l	96
56) Ethyl methacrylate	8.60	69	33061	19.808	ug/l	95
57) 1,3-Dichloropropane	8.83	76	55873	21.140	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.27	63	7288	102.463	ug/l #	75
59) 2-Hexanone	9.47	43	96662	105.719	ug/l	96
60) Dibromochloromethane	8.69	129	41506	20.872	ug/l	95
61) 1,2-Dibromoethane	8.97	107	30922	20.312	ug/l	94
64) Tetrachloroethene	8.13	164	42389	20.751	ug/l	93
65) Chlorobenzene	9.78	112	112442	19.847	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	47003	20.332	ug/l	96
67) Ethyl Benzene	9.89	91	213394	19.535	ug/l	98
68) m/p-Xylenes	10.11	106	150616	39.528	ug/l	100
69) o-Xylene	10.69	106	82277	19.330	ug/l	91
70) Styrene	10.77	104	108323	19.103	ug/l	97
71) Bromoform	10.75	173	19040	20.153	ug/l #	99
73) Isopropylbenzene	11.11	105	250260	20.732	ug/l	96
74) N-amyl acetate	11.35	43	63170	23.021	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	42784	22.353	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	31320	22.311	ug/l	98
77) Bromobenzene	11.48	156	49753	20.717	ug/l	98
78) n-propylbenzene	11.58	91	297590	20.677	ug/l	98
79) 2-Chlorotoluene	11.71	91	160633	20.032	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	203653	21.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	12732m	20.755	ug/l	
82) 4-Chlorotoluene	11.89	91	164645	20.206	ug/l	97
83) tert-Butylbenzene	12.11	119	213240	22.283	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	207099	21.717	ug/l	96
85) sec-Butylbenzene	12.29	105	271441	19.921	ug/l	97
86) p-Isopropyltoluene	12.45	119	231273	20.867	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	97175	20.720	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	90890	20.159	ug/l	96
89) n-Butylbenzene	12.83	91	243375	21.372	ug/l	93
90) Hexachloroethane	12.90	117	53449	21.083	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	93849	20.965	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7535	23.300	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	65164	21.154	ug/l	97
94) Hexachlorobutadiene	14.18	225	40473	20.409	ug/l	97
95) Naphthalene	14.44	128	122285	21.065	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	59093	20.365	ug/l	97

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

