

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060716.D
 Acq On : 13 Nov 2018 19:08
 Operator : VA/AP
 Sample : VF1113SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS01

Manual Integrations
 APPROVED

sam
 11/14/2018 9:33:03 AM

Quant Time: Nov 14 03:48:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	215967	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	361021	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	326432	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	189698	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113139	45.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	91.86%	
35) Dibromofluoromethane	4.12	113	133927	49.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.70%	
50) Toluene-d8	7.56	98	352116	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.42	95	171271	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	83087	21.497	ug/l	99
3) Chloromethane	1.10	50	52728	21.997	ug/l	97
4) Vinyl Chloride	1.15	62	45247	21.101	ug/l	95
5) Bromomethane	1.32	94	27170	19.948	ug/l	93
6) Chloroethane	1.38	64	18216	21.713	ug/l	98
7) Trichlorofluoromethane	1.50	101	93684m	19.757	ug/l	
8) Diethyl Ether	1.63	74	12264	20.187	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	48454	21.685	ug/l	90
10) Methyl Iodide	1.90	142	74814m	20.868	ug/l	
11) Tert butyl alcohol	2.56	59	10955	97.717	ug/l	100
12) 1,1-Dichloroethene	1.79	96	36354	20.633	ug/l	95
13) Acrolein	2.01	56	9902m	96.598	ug/l	
14) Allyl chloride	2.10	41	59644	19.323	ug/l	98
15) Acrylonitrile	2.95	53	25570	107.037	ug/l	98
16) Acetone	2.24	43	47029	89.320	ug/l	97
17) Carbon Disulfide	1.83	76	112069m	21.045	ug/l	
18) Methyl Acetate	2.35	43	17164	19.853	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	90500	21.410	ug/l	99
20) Methylene Chloride	2.19	84	44992m	24.237	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	40139	21.805	ug/l	86
22) Diisopropyl ether	2.80	45	121090	20.319	ug/l	97
23) Vinyl Acetate	3.19	43	295149	105.177	ug/l	99
24) 1,1-Dichloroethane	2.88	63	72932	20.215	ug/l	97
25) 2-Butanone	4.34	43	88019	101.633	ug/l	98
26) 2,2-Dichloropropane	3.61	77	56728	19.981	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	59904	19.129	ug/l	93
28) Bromochloromethane	3.72	49	41077	21.908	ug/l	93
29) Tetrahydrofuran	4.08	42	39297	110.005	ug/l	97
30) Chloroform	3.87	83	118933	20.546	ug/l	99
31) Cyclohexane	3.70	56	96452	22.027	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	88336	19.378	ug/l	95
36) 1,1-Dichloropropene	4.29	75	87319	20.855	ug/l	97
37) Ethyl Acetate	4.12	43	32982	21.188	ug/l #	77
38) Carbon Tetrachloride	4.00	117	83978	20.671	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	104178	21.447	ug/l	95
40) Benzene	4.64	78	202258	21.671	ug/l	99
41) Methacrylonitrile	4.76	41	19929	21.549	ug/l	92
42) 1,2-Dichloroethane	4.95	62	66191	20.522	ug/l	98
43) Isopropyl Acetate	6.97	43	39051	18.921	ug/l #	98
44) Trichloroethene	5.51	130	62084	21.083	ug/l	94
45) 1,2-Dichloropropane	6.24	63	49453	20.362	ug/l	100
46) Dibromomethane	6.09	93	33340	20.796	ug/l	97
47) Bromodichloromethane	6.39	83	83429	20.378	ug/l	99
48) Methyl methacrylate	6.72	41	27193	19.908	ug/l	99
49) 1,4-Dioxane	6.71	88	4468	349.755	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	150187	100.614	ug/l	98
52) Toluene	7.63	92	123999	19.826	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	71353	21.760	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	82108	19.277	ug/l	92
55) 1,1,2-Trichloroethane	8.50	97	35159	19.675	ug/l	95
56) Ethyl methacrylate	8.63	69	38888	19.161	ug/l	97
57) 1,3-Dichloropropane	8.86	76	64017	20.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.63	63	19845	107.041	ug/l	100
59) 2-Hexanone	9.50	43	103593	98.751	ug/l	99
60) Dibromochloromethane	8.73	129	49480	19.428	ug/l	98
61) 1,2-Dibromoethane	8.99	107	39489	21.011	ug/l	97
64) Tetrachloroethene	8.16	164	55507	21.473	ug/l	90
65) Chlorobenzene	9.80	112	133121	20.209	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	59442	20.689	ug/l	93
67) Ethyl Benzene	9.91	91	265029	21.345	ug/l	98
68) m/p-Xylenes	10.14	106	187950	42.357	ug/l	94
69) o-Xylene	10.72	106	106142	21.276	ug/l	94
70) Styrene	10.80	104	145347	21.468	ug/l	98
71) Bromoform	10.78	173	26637	20.617	ug/l	89
73) Isopropylbenzene	11.13	105	305692	20.020	ug/l	98
74) N-amyl acetate	11.38	43	68120	19.597	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	50896	20.161	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	35974	19.187	ug/l	94
77) Bromobenzene	11.50	156	65131	20.492	ug/l	95
78) n-propylbenzene	11.60	91	373382	20.967	ug/l	94
79) 2-Chlorotoluene	11.72	91	207509	20.048	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	256852	21.188	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	18160m	19.715	ug/l	
82) 4-Chlorotoluene	11.90	91	219972	20.745	ug/l	97
83) tert-Butylbenzene	12.14	119	263779	20.494	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	258108	20.587	ug/l	94
85) sec-Butylbenzene	12.31	105	365637	20.941	ug/l	95
86) p-Isopropyltoluene	12.46	119	305768	20.968	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	130525	20.636	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	121278	19.950	ug/l	95
89) n-Butylbenzene	12.85	91	310570	20.869	ug/l	97
90) Hexachloroethane	12.92	117	73466	20.597	ug/l	84
91) 1,2-Dichlorobenzene	12.95	146	123884	20.801	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8058	16.983	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87524	20.447	µg/l	95
94) Hexachlorobutadiene	14.19	225	54286	19.407	µg/l	93
95) Naphthalene	14.46	128	147052	18.827	µg/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	81665	20.646	µg/l	94

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

