

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061455.D
 Acq On : 18 Jan 2019 13:11
 Operator : VA/AP
 Sample : VF0118SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:11:14 AM

Quant Time: Jan 19 04:22:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	186916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	349017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	309308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	154743	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	108785	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	4.11	113	130820	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	7.55	98	351647	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.41	95	165045	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	68651	18.693	ug/l	91
3) Chloromethane	1.09	50	57100	21.204	ug/l	94
4) Vinyl Chloride	1.14	62	50374	21.029	ug/l	92
5) Bromomethane	1.32	94	32253	20.648	ug/l	97
6) Chloroethane	1.39	64	22919	21.592	ug/l	95
7) Trichlorofluoromethane	1.48	101	85575m	18.376	ug/l	
8) Diethyl Ether	1.63	74	12531	21.000	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	47643	21.292	ug/l	93
10) Methyl Iodide	1.91	142	71527m	20.619	ug/l	
11) Tert butyl alcohol	2.56	59	10142	103.827	ug/l	95
12) 1,1-Dichloroethene	1.80	96	36105	21.718	ug/l	92
13) Acrolein	2.00	56	7615	97.101	ug/l	88
14) Allyl chloride	2.10	41	57324	31.411	ug/l	89
15) Acrylonitrile	2.93	53	27192	108.676	ug/l	94
16) Acetone	2.23	43	58058	125.407	ug/l	97
17) Carbon Disulfide	1.81	76	108396m	20.912	ug/l	
18) Methyl Acetate	2.34	43	21650	23.581	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	77417	20.774	ug/l	95
20) Methylene Chloride	2.17	84	38651m	23.669	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	38574	21.090	ug/l	94
22) Diisopropyl ether	2.80	45	125603	21.231	ug/l	98
23) Vinyl Acetate	3.18	43	318359	123.975	ug/l	98
24) 1,1-Dichloroethane	2.87	63	76226	20.529	ug/l	97
25) 2-Butanone	4.34	43	93086	120.911	ug/l	96
26) 2,2-Dichloropropane	3.60	77	45871	20.108	ug/l	91
27) cis-1,2-Dichloroethene	3.48	96	60094	22.257	ug/l	98
28) Bromochloromethane	3.71	49	35556	21.303	ug/l	96
29) Tetrahydrofuran	4.07	42	37847	114.168	ug/l	95
30) Chloroform	3.85	83	108563	21.665	ug/l	99
31) Cyclohexane	3.68	56	84744m	22.848	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	68755	18.713	ug/l	96
36) 1,1-Dichloropropene	4.28	75	80269	19.836	ug/l	99
37) Ethyl Acetate	4.11	43	36260	22.416	ug/l #	75
38) Carbon Tetrachloride	3.99	117	59911m	16.935	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	86372	19.695	ug/l	97
40) Benzene	4.62	78	174740	19.406	ug/l	100
41) Methacrylonitrile	4.75	41	18877	21.931	ug/l	95
42) 1,2-Dichloroethane	4.94	62	58543	18.245	ug/l	100
43) Isopropyl Acetate	6.96	43	40221	19.811	ug/l #	89
44) Trichloroethene	5.50	130	57329	20.754	ug/l	97
45) 1,2-Dichloropropane	6.24	63	48906	20.694	ug/l	99
46) Dibromomethane	6.08	93	29638	18.861	ug/l	87
47) Bromodichloromethane	6.38	83	75476	19.412	ug/l #	98
48) Methyl methacrylate	6.71	41	29357	21.534	ug/l	96
49) 1,4-Dioxane	6.70	88	4283	409.056	ug/l	97
51) 4-Methyl-2-Pentanone	8.25	43	170749	114.404	ug/l	96
52) Toluene	7.62	92	113305	19.108	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	64062	20.750	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	81107	21.017	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	34049	20.220	ug/l	92
56) Ethyl methacrylate	8.62	69	38501	19.652	ug/l	96
57) 1,3-Dichloropropane	8.85	76	60679	19.225	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.29	63	25306	137.141	ug/l	96
59) 2-Hexanone	9.48	43	123202	118.377	ug/l	98
60) Dibromochloromethane	8.71	129	48127	19.550	ug/l	95
61) 1,2-Dibromoethane	8.98	107	37789	19.603	ug/l	100
64) Tetrachloroethene	8.15	164	44549	19.152	ug/l	92
65) Chlorobenzene	9.79	112	130325	20.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	52159	20.816	ug/l	94
67) Ethyl Benzene	9.90	91	239963	20.881	ug/l	99
68) m/p-Xylenes	10.13	106	164379	39.769	ug/l	90
69) o-Xylene	10.71	106	94665	21.132	ug/l	96
70) Styrene	10.79	104	129468	21.113	ug/l	99
71) Bromoform	10.77	173	24437	21.706	ug/l	97
73) Isopropylbenzene	11.12	105	285949	22.720	ug/l	98
74) N-amyl acetate	11.37	43	74488	25.029	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	48055	21.433	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	35523	22.050	ug/l	95
77) Bromobenzene	11.50	156	57266	21.545	ug/l	98
78) n-propylbenzene	11.60	91	335320	20.465	ug/l	100
79) 2-Chlorotoluene	11.71	91	187539	21.476	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	232759	22.917	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	12874m	18.383	ug/l	
82) 4-Chlorotoluene	11.89	91	189730	21.531	ug/l	97
83) tert-Butylbenzene	12.13	119	233286	22.191	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	221885	21.209	ug/l	95
85) sec-Butylbenzene	12.31	105	324130	22.704	ug/l	98
86) p-Isopropyltoluene	12.45	119	268440	22.906	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	112331	20.117	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	106843	21.272	ug/l	98
89) n-Butylbenzene	12.84	91	278280	23.025	ug/l	95
90) Hexachloroethane	12.92	117	63155	22.861	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	100377	20.188	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8258	20.766	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70926	20.363	ug/l	99
94) Hexachlorobutadiene	14.19	225	42358	19.598	ug/l	95
95) Naphthalene	14.46	128	131741	19.908	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	64267	19.932	ug/l	95

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

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