

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021819\
 Data File : VF061673.D
 Acq On : 18 Feb 2019 12:39
 Operator : VA/AP
 Sample : VF0218SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:29:21 PM

Quant Time: Feb 19 02:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	351959	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	504233	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	442010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	254193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	133424	51.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.40%	
35) Dibromofluoromethane	4.12	113	191863	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.56	98	562782	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.41	95	228107	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	90650	22.428	ug/l	97
3) Chloromethane	1.09	50	88643	20.902	ug/l	94
4) Vinyl Chloride	1.14	62	83829	21.264	ug/l	92
5) Bromomethane	1.32	94	50528	18.622	ug/l	98
6) Chloroethane	1.40	64	36193	18.629	ug/l	95
7) Trichlorofluoromethane	1.49	101	97171m	20.435	ug/l	
8) Diethyl Ether	1.63	74	24326	20.300	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67323	19.626	ug/l	99
10) Methyl Iodide	1.93	142	127116m	19.399	ug/l	
11) Tert butyl alcohol	2.58	59	14804	99.110	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	61088	20.255	ug/l #	85
13) Acrolein	2.00	56	15741	83.848	ug/l	100
14) Allyl chloride	2.10	41	64890	17.534	ug/l	99
15) Acrylonitrile	2.94	53	48163	90.904	ug/l	98
16) Acetone	2.23	43	52301	94.447	ug/l #	87
17) Carbon Disulfide	1.84	76	188813m	19.917	ug/l	
18) Methyl Acetate	2.35	43	23134	18.544	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	107415	20.840	ug/l	99
20) Methylene Chloride	2.27	84	65043m	20.429	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	54929	16.754	ug/l	97
22) Diisopropyl ether	2.81	45	179668	20.224	ug/l	97
23) Vinyl Acetate	3.19	43	430006	99.101	ug/l	98
24) 1,1-Dichloroethane	2.88	63	105709	19.663	ug/l	100
25) 2-Butanone	4.34	43	125472	103.731	ug/l	98
26) 2,2-Dichloropropane	3.61	77	48936	21.489	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	86327	20.060	ug/l	99
28) Bromochloromethane	3.72	49	50035	19.397	ug/l	96
29) Tetrahydrofuran	4.09	42	52160	94.877	ug/l	100
30) Chloroform	3.86	83	120884	19.772	ug/l	96
31) Cyclohexane	3.69	56	70978	12.196	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	68678	17.148	ug/l	95
36) 1,1-Dichloropropene	4.29	75	104249	20.870	ug/l	97
37) Ethyl Acetate	4.12	43	45031	19.409	ug/l	92
38) Carbon Tetrachloride	4.00	117	70828	20.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	126361	21.390	ug/l	96
40) Benzene	4.64	78	269154	20.601	ug/l	97
41) Methacrylonitrile	4.76	41	26882	22.657	ug/l	96
42) 1,2-Dichloroethane	4.95	62	64175	20.534	ug/l	95
43) Isopropyl Acetate	6.97	43	53878	19.619	ug/l #	99
44) Trichloroethene	5.51	130	90369	21.389	ug/l	99
45) 1,2-Dichloropropane	6.24	63	70120	22.203	ug/l	98
46) Dibromomethane	6.09	93	41066	21.119	ug/l #	79
47) Bromodichloromethane	6.40	83	92245	21.663	ug/l	98
48) Methyl methacrylate	6.73	41	29302	17.730	ug/l	92
49) 1,4-Dioxane	6.73	88	7650	492.410	ug/l #	73
51) 4-Methyl-2-Pentanone	8.27	43	190036	96.845	ug/l	98
52) Toluene	7.63	92	166919	21.065	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	77439	21.851	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	101441	21.489	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	46319	19.895	ug/l	98
56) Ethyl methacrylate	8.62	69	53529	20.651	ug/l	96
57) 1,3-Dichloropropane	8.86	76	77816	20.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	42517	95.070	ug/l	99
59) 2-Hexanone	9.50	43	138056	100.368	ug/l	98
60) Dibromochloromethane	8.72	129	65649	20.259	ug/l	91
61) 1,2-Dibromoethane	9.00	107	51886	20.548	ug/l	100
64) Tetrachloroethene	8.16	164	75076	20.780	ug/l	97
65) Chlorobenzene	9.81	112	187067	20.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	74210	21.114	ug/l	98
67) Ethyl Benzene	9.91	91	311420	20.878	ug/l	99
68) m/p-Xylenes	10.14	106	246213	43.131	ug/l	95
69) o-Xylene	10.72	106	130683	21.454	ug/l	98
70) Styrene	10.79	104	179230	20.799	ug/l	99
71) Bromoform	10.77	173	37339	19.564	ug/l #	99
73) Isopropylbenzene	11.13	105	387482	21.410	ug/l	99
74) N-amyl acetate	11.38	43	89720	20.654	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	64676	19.947	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	41429	18.794	ug/l	99
77) Bromobenzene	11.50	156	88895	19.882	ug/l	96
78) n-propylbenzene	11.60	91	440507	21.211	ug/l	98
79) 2-Chlorotoluene	11.73	91	234570	20.167	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	314475	21.741	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	21111m	19.976	ug/l	
82) 4-Chlorotoluene	11.91	91	250162	20.722	ug/l	97
83) tert-Butylbenzene	12.13	119	345709	21.578	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	286221	19.917	ug/l	100
85) sec-Butylbenzene	12.31	105	443448	21.404	ug/l	99
86) p-Isopropyltoluene	12.46	119	381247	21.927	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	176727	20.275	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	176152	21.014	ug/l	98
89) n-Butylbenzene	12.84	91	358460	21.833	ug/l	98
90) Hexachloroethane	12.92	117	84133	20.805	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	171246	20.655	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9826	19.114	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	123139	20.722	ug/l	99
94) Hexachlorobutadiene	14.20	225	80161	21.842	ug/l	99
95) Naphthalene	14.46	128	206972	19.907	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	111135	20.376	ug/l	96

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

