

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062013.D
 Acq On : 19 Mar 2019 12:50
 Operator : VA/AP
 Sample : VF0319SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:54:06 PM

Quant Time: Mar 22 05:19:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	270750	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.56	114	430250	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	360757	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	197943	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.80	65	98732	50.66	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	4.07	113	138451	47.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.84%	
50) Toluene-d8	7.52	98	390463	46.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.39	95	156899	46.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.94	85	69879	24.211	ug/l	98
3) Chloromethane	1.07	50	66646	22.722	ug/l #	88
4) Vinyl Chloride	1.12	62	68132	24.017	ug/l #	85
5) Bromomethane	1.30	94	44862	22.512	ug/l	97
6) Chloroethane	1.36	64	31861	21.756	ug/l	95
7) Trichlorofluoromethane	1.47	101	84095	22.376	ug/l	90
8) Diethyl Ether	1.61	74	15715	18.810	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.80	101	58471	22.082	ug/l	96
10) Methyl Iodide	1.87	142	106293m	22.930	ug/l	
11) Tert butyl alcohol	2.54	59	12244	102.667	ug/l #	80
12) 1,1-Dichloroethene	1.76	96	49847	21.814	ug/l	96
13) Acrolein	1.97	56	11568	89.853	ug/l #	70
14) Allyl chloride	2.07	41	62651	21.478	ug/l	99
15) Acrylonitrile	2.91	53	37933	104.596	ug/l	92
16) Acetone	2.21	43	50711	115.872	ug/l	97
17) Carbon Disulfide	1.79	76	146927	22.243	ug/l	97
18) Methyl Acetate	2.32	43	24327m	24.529	ug/l	
19) Methyl tert-butyl Ether	2.40	73	84121	20.316	ug/l	100
20) Methylene Chloride	2.15	84	53681m	23.509	ug/l	
21) trans-1,2-Dichloroethene	2.28	96	51430	21.567	ug/l	94
22) Diisopropyl ether	2.77	45	150300	21.422	ug/l	97
23) Vinyl Acetate	3.15	43	317507	114.794	ug/l	97
24) 1,1-Dichloroethane	2.84	63	91326	22.386	ug/l	99
25) 2-Butanone	4.29	43	92755	107.015	ug/l	95
26) 2,2-Dichloropropane	3.56	77	41549	21.591	ug/l	96
27) cis-1,2-Dichloroethene	3.44	96	65533	21.803	ug/l	97
28) Bromochloromethane	3.68	49	35661	21.066	ug/l	87
29) Tetrahydrofuran	4.03	42	36228	96.110	ug/l	97
30) Chloroform	3.81	83	101639	21.988	ug/l	94
31) Cyclohexane	3.65	56	86899	21.562	ug/l #	96
32) 1,1,1-Trichloroethane	4.05	97	62856	20.476	ug/l	94
36) 1,1-Dichloropropene	4.24	75	82896	21.335	ug/l	95
37) Ethyl Acetate	4.06	43	31981	18.332	ug/l #	78
38) Carbon Tetrachloride	3.94	117	64198	22.609	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.41	83	90755	19.897	ug/l	96
40) Benzene	4.59	78	208470	20.249	ug/l	98
41) Methacrylonitrile	4.71	41	19021	20.407	ug/l #	87
42) 1,2-Dichloroethane	4.90	62	53988	21.065	ug/l	96
43) Isopropyl Acetate	6.92	43	38520	18.662	ug/l #	98
44) Trichloroethene	5.46	130	66397	21.053	ug/l	98
45) 1,2-Dichloropropane	6.20	63	52171	21.413	ug/l	97
46) Dibromomethane	6.04	93	30529	21.063	ug/l	95
47) Bromodichloromethane	6.35	83	70923	20.755	ug/l #	97
48) Methyl methacrylate	6.68	41	25691	19.258	ug/l #	86
49) 1,4-Dioxane	6.68	88	4915	414.206	ug/l #	78
51) 4-Methyl-2-Pentanone	8.23	43	148374	101.228	ug/l	99
52) Toluene	7.59	92	131582	20.918	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	58733	20.359	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	78075	20.742	ug/l	94
55) 1,1,2-Trichloroethane	8.46	97	35743	20.359	ug/l	97
56) Ethyl methacrylate	8.60	69	38932	19.507	ug/l	97
57) 1,3-Dichloropropane	8.82	76	59442	20.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	33308	92.142	ug/l	95
59) 2-Hexanone	9.46	43	112682	106.227	ug/l	99
60) Dibromochloromethane	8.69	129	52071	21.364	ug/l	94
61) 1,2-Dibromoethane	8.96	107	38997	20.708	ug/l	95
64) Tetrachloroethene	8.12	164	56526	21.556	ug/l	96
65) Chlorobenzene	9.77	112	141888	21.125	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	58407	22.434	ug/l	93
67) Ethyl Benzene	9.87	91	244644	21.273	ug/l	97
68) m/p-Xylenes	10.11	106	192895	44.596	ug/l	93
69) o-Xylene	10.69	106	99058	21.403	ug/l	96
70) Styrene	10.77	104	139533	21.761	ug/l	96
71) Bromoform	10.75	173	28760	21.839	ug/l	97
73) Isopropylbenzene	11.10	105	293104	21.433	ug/l	96
74) N-amyl acetate	11.35	43	65388	20.868	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	47838	21.193	ug/l	94
76) 1,2,3-Trichloropropane	11.77	75	31411	19.901	ug/l	96
77) Bromobenzene	11.48	156	66962	21.144	ug/l	98
78) n-propylbenzene	11.58	91	328766	20.908	ug/l	99
79) 2-Chlorotoluene	11.70	91	184850	20.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	229196	20.748	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	15947m	22.838	ug/l	
82) 4-Chlorotoluene	11.88	91	185381	20.654	ug/l	99
83) tert-Butylbenzene	12.11	119	251941	21.808	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	228660	20.666	ug/l	97
85) sec-Butylbenzene	12.29	105	329877	21.134	ug/l	100
86) p-Isopropyltoluene	12.44	119	284334	21.831	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	133164	21.394	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	125282	20.912	ug/l	96
89) n-Butylbenzene	12.83	91	264670	21.626	ug/l	96
90) Hexachloroethane	12.90	117	64440	21.680	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	123305	21.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6363	17.567	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	88018	21.926	ug/l	100
94) Hexachlorobutadiene	14.17	225	55409	20.791	ug/l	97
95) Naphthalene	14.43	128	144649	20.034	ug/l	100
96) 1,2,3-Trichlorobenzene	14.58	180	80599	21.823	ug/l	96

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

