

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062862.D
 Acq On : 5 Jun 2019 13:47
 Operator : FY/SY
 Sample : VF0605SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0605SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:08 AM

Quant Time: Jun 06 08:13:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	837285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1377922	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	1144646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	527398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	320354	55.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.66%	
35) Dibromofluoromethane	4.33	113	586748	56.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.70%	
50) Toluene-d8	7.73	98	1432919	54.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.84%	
62) 4-Bromofluorobenzene	11.50	95	550325	58.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	228980	21.735	ug/l	98
3) Chloromethane	1.15	50	187956	21.695	ug/l	98
4) Vinyl Chloride	1.19	62	174682	20.290	ug/l	100
5) Bromomethane	1.40	94	100843	20.539	ug/l	91
6) Chloroethane	1.46	64	65445	20.332	ug/l #	87
7) Trichlorofluoromethane	1.55	101	274712	22.540	ug/l	91
8) Diethyl Ether	1.72	74	49977	20.842	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	176260	23.003	ug/l	97
10) Methyl Iodide	1.99	142	330407m	21.506	ug/l	
11) Tert butyl alcohol	2.71	59	33447	95.360	ug/l #	85
12) 1,1-Dichloroethene	1.88	96	148460	21.337	ug/l	100
13) Acrolein	2.11	56	14104m	95.603	ug/l	
14) Allyl chloride	2.21	41	150244	27.834	ug/l	91
15) Acrylonitrile	3.11	53	154245	117.034	ug/l	97
16) Acetone	2.36	43	123671	93.324	ug/l	92
17) Carbon Disulfide	1.92	76	443822	21.824	ug/l	97
18) Methyl Acetate	2.47	43	50315	21.728	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	262830	20.850	ug/l	99
20) Methylene Chloride	2.30	84	166706m	23.541	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	161028	23.082	ug/l	96
22) Diisopropyl ether	2.95	45	316959	20.668	ug/l	96
23) Vinyl Acetate	3.36	43	1133720	107.983	ug/l	100
24) 1,1-Dichloroethane	3.03	63	260749	22.772	ug/l #	97
25) 2-Butanone	4.53	43	290938	94.276	ug/l	98
26) 2,2-Dichloropropane	3.80	77	154241	23.724	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	248310	21.175	ug/l	99
28) Bromochloromethane	3.92	49	123183	19.777	ug/l	93
29) Tetrahydrofuran	4.28	42	124371	105.371	ug/l	98
30) Chloroform	4.06	83	349635	21.666	ug/l	93
31) Cyclohexane	3.88	56	312761	20.175	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	221965	23.624	ug/l	95
36) 1,1-Dichloropropene	4.50	75	281174	22.166	ug/l	95
37) Ethyl Acetate	4.32	43	103780	21.402	ug/l	91
38) Carbon Tetrachloride	4.20	117	188509	21.989	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	336363	21.305	ug/l	95
40) Benzene	4.84	78	807194	21.864	ug/l	97
41) Methacrylonitrile	4.95	41	56106	20.813	ug/l	90
42) 1,2-Dichloroethane	5.15	62	150109	21.378	ug/l	100
43) Isopropyl Acetate	7.13	43	129430	20.206	ug/l #	95
44) Trichloroethene	5.70	130	232278	22.293	ug/l	100
45) 1,2-Dichloropropane	6.43	63	198519	21.428	ug/l	94
46) Dibromomethane	6.27	93	115761	21.402	ug/l	93
47) Bromodichloromethane	6.57	83	226048	20.520	ug/l #	90
48) Methyl methacrylate	6.89	41	65359	19.798	ug/l	94
49) 1,4-Dioxane	6.89	88	16294	374.454	ug/l	94
51) 4-Methyl-2-Pentanone	8.42	43	515854	112.798	ug/l	98
52) Toluene	7.80	92	436169	21.935	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	203539	22.298	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	281285	21.288	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	129479	21.796	ug/l	93
56) Ethyl methacrylate	8.77	69	141285	22.166	ug/l	97
57) 1,3-Dichloropropane	9.01	76	226120	23.309	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.46	63	256779	115.270	ug/l	98
59) 2-Hexanone	9.63	43	396865	121.751	ug/l	97
60) Dibromochloromethane	8.87	129	165959	22.565	ug/l	99
61) 1,2-Dibromoethane	9.15	107	142775	23.142	ug/l	96
64) Tetrachloroethene	8.32	164	174577	19.848	ug/l	94
65) Chlorobenzene	9.95	112	488034	22.078	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	184779	20.989	ug/l	95
67) Ethyl Benzene	10.04	91	820080	21.619	ug/l	97
68) m/p-Xylenes	10.27	106	633281	43.628	ug/l	84
69) o-Xylene	10.82	106	308166	20.969	ug/l	89
70) Styrene	10.90	104	464432	21.440	ug/l	96
71) Bromoform	10.89	173	85462	20.236	ug/l #	100
73) Isopropylbenzene	11.23	105	852608	23.169	ug/l	94
74) N-amyl acetate	11.45	43	247242	23.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	180712	22.995	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	115243	22.123	ug/l	92
77) Bromobenzene	11.59	156	198204	21.436	ug/l	97
78) n-propylbenzene	11.68	91	1002894	22.571	ug/l	94
79) 2-Chlorotoluene	11.80	91	561656	22.091	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	673862	22.392	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	48211m	21.860	ug/l	
82) 4-Chlorotoluene	11.98	91	558814	22.365	ug/l	94
83) tert-Butylbenzene	12.20	119	695621	23.328	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	670759	23.508	ug/l	91
85) sec-Butylbenzene	12.37	105	922856	23.486	ug/l	94
86) p-Isopropyltoluene	12.53	119	781116	23.883	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	373469	22.903	ug/l	94
88) 1,4-Dichlorobenzene	12.63	146	341286	22.426	ug/l	97
89) n-Butylbenzene	12.90	91	777018	23.618	ug/l	89
90) Hexachloroethane	12.98	117	180334	22.607	ug/l	92
91) 1,2-Dichlorobenzene	13.00	146	318419	22.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18443	21.541	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	195860	19.902	ug/l	98
94) Hexachlorobutadiene	14.23	225	134915	19.817	ug/l	99
95) Naphthalene	14.50	128	322181	19.983	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	187229	20.842	ug/l	92

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

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