

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062907.D
 Acq On : 10 Jun 2019 15:37
 Operator : FY/SY
 Sample : VF0610SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:40 PM

Quant Time: Jun 11 01:47:08 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	5.06	168	839198	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	1381652	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1008616	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	490524	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	278359	47.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.94%	
35) Dibromofluoromethane	4.32	113	509774	48.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.66%	
50) Toluene-d8	7.72	98	1215652	46.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.49	95	416903	43.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	216574	20.245	ug/l	99
3) Chloromethane	1.15	50	169169	19.482	ug/l	94
4) Vinyl Chloride	1.19	62	159025	18.430	ug/l	94
5) Bromomethane	1.40	94	87899	17.862	ug/l	95
6) Chloroethane	1.46	64	56701	17.575	ug/l	92
7) Trichlorofluoromethane	1.55	101	249680	20.439	ug/l	90
8) Diethyl Ether	1.72	74	48494	20.178	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	154594	20.129	ug/l	96
10) Methyl Iodide	2.00	142	301020m	19.548	ug/l	
11) Tert butyl alcohol	2.70	59	42068	119.665	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	134654	19.309	ug/l	95
13) Acrolein	2.10	56	11328	74.931	ug/l	84
14) Allyl chloride	2.20	41	98360	18.180	ug/l	97
15) Acrylonitrile	3.11	53	145984	110.513	ug/l	98
16) Acetone	2.36	43	143719	108.206	ug/l	97
17) Carbon Disulfide	1.92	76	380712	18.678	ug/l	98
18) Methyl Acetate	2.46	43	55531	23.925	ug/l #	84
19) Methyl tert-butyl Ether	2.55	73	266177	21.067	ug/l	94
20) Methylene Chloride	2.36	84	152003m	21.129	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	141837	20.285	ug/l	91
22) Diisopropyl ether	2.95	45	292417	19.024	ug/l	92
23) Vinyl Acetate	3.35	43	1163780	110.593	ug/l	99
24) 1,1-Dichloroethane	3.02	63	237470	20.692	ug/l	99
25) 2-Butanone	4.53	43	319604	103.329	ug/l	99
26) 2,2-Dichloropropane	3.79	77	149082	22.878	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	248554	21.147	ug/l	99
28) Bromochloromethane	3.90	49	122567	19.634	ug/l	95
29) Tetrahydrofuran	4.28	42	130059	109.938	ug/l	99
30) Chloroform	4.06	83	339463	20.987	ug/l	97
31) Cyclohexane	3.89	56	292931	18.853	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	212806	22.597	ug/l	94
36) 1,1-Dichloropropene	4.49	75	276766	21.759	ug/l	96
37) Ethyl Acetate	4.32	43	124039	25.511	ug/l #	78
38) Carbon Tetrachloride	4.19	117	185127m	21.536	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	346407	21.882	ug/l	95
40) Benzene	4.83	78	831018	22.449	ug/l	99
41) Methacrylonitrile	4.94	41	57887	21.416	ug/l	94
42) 1,2-Dichloroethane	5.14	62	157206	22.329	ug/l	89
43) Isopropyl Acetate	7.12	43	131578	20.486	ug/l #	93
44) Trichloroethene	5.69	130	219935	21.052	ug/l	97
45) 1,2-Dichloropropane	6.42	63	195307	21.024	ug/l	95
46) Dibromomethane	6.27	93	121126	22.333	ug/l	97
47) Bromodichloromethane	6.56	83	242803	21.982	ug/l	96
48) Methyl methacrylate	6.89	41	66461	20.078	ug/l	92
49) 1,4-Dioxane	6.88	88	21330	488.864	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	529388	115.445	ug/l	98
52) Toluene	7.79	92	409535	20.540	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	196544	21.473	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	282227	21.302	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	130039	21.831	ug/l	95
56) Ethyl methacrylate	8.76	69	129804	20.310	ug/l	94
57) 1,3-Dichloropropane	9.00	76	216244	22.231	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.45	63	241767	108.238	ug/l	99
59) 2-Hexanone	9.62	43	364789	111.608	ug/l	98
60) Dibromochloromethane	8.86	129	158364	21.474	ug/l	95
61) 1,2-Dibromoethane	9.14	107	136546	22.073	ug/l	95
64) Tetrachloroethene	8.31	164	160781	20.744	ug/l	92
65) Chlorobenzene	9.94	112	410899	21.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	171962	22.168	ug/l	99
67) Ethyl Benzene	10.03	91	719740	21.533	ug/l	96
68) m/p-Xylenes	10.26	106	532595	41.640	ug/l	88
69) o-Xylene	10.82	106	273339	21.107	ug/l	97
70) Styrene	10.89	104	411809	21.575	ug/l	99
71) Bromoform	10.88	173	84703	22.762	ug/l #	98
73) Isopropylbenzene	11.22	105	711895	20.799	ug/l	96
74) N-amyl acetate	11.44	43	217025	22.498	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	164233	22.469	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	103926	21.450	ug/l	92
77) Bromobenzene	11.58	156	172087	20.011	ug/l	89
78) n-propylbenzene	11.67	91	867619	20.994	ug/l	93
79) 2-Chlorotoluene	11.80	91	489174	20.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	592999	21.186	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	44565m	21.726	ug/l	
82) 4-Chlorotoluene	11.97	91	473770	20.387	ug/l	91
83) tert-Butylbenzene	12.19	119	615581	22.195	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	554085	20.879	ug/l	94
85) sec-Butylbenzene	12.37	105	812249	22.225	ug/l	97
86) p-Isopropyltoluene	12.52	119	652870	21.462	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	319645	21.076	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	298163	21.065	ug/l	94
89) n-Butylbenzene	12.89	91	686564	22.437	ug/l	87
90) Hexachloroethane	12.97	117	168920	22.768	ug/l	85
91) 1,2-Dichlorobenzene	12.99	146	282988	21.228	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	20549	25.805	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	196786	21.500	ug/l	97
94) Hexachlorobutadiene	14.22	225	134556	21.250	ug/l	100
95) Naphthalene	14.49	128	326030	21.742	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	178106	21.317	ug/l	98

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

