

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062262.D
 Acq On : 23 Apr 2019 14:27
 Operator : FY/SY
 Sample : VF0423SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

Quant Time: Apr 23 15:40:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	387662	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	541235	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	427721	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	261627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	186600	52.49	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	104.98%	
35) Dibromofluoromethane	4.31	113	240280	50.75	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	101.50%	
50) Toluene-d8	7.72	98	585019	48.82	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.50	95	244851	53.11	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	106.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	124983	21.215	ug/l	98
3) Chloromethane	1.14	50	104027	17.084	ug/l	90
4) Vinyl Chloride	1.19	62	98412	18.812	ug/l	98
5) Bromomethane	1.39	94	58629	19.292	ug/l	89
6) Chloroethane	1.44	64	41336	18.901	ug/l	95
7) Trichlorofluoromethane	1.56	101	150250	22.607	ug/l	95
8) Diethyl Ether	1.71	74	25872	18.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	93266	20.542	ug/l	96
10) Methyl Iodide	1.98	142	167010	20.706	ug/l #	87
11) Tert butyl alcohol	2.70	59	23923	96.820	ug/l	97
12) 1,1-Dichloroethene	1.87	96	82530	19.111	ug/l	87
13) Acrolein	2.10	56	11904	86.633	ug/l	86
14) Allyl chloride	2.20	41	140324	28.314	ug/l	93
15) Acrylonitrile	3.09	53	68221	90.650	ug/l	99
16) Acetone	2.35	43	84544	99.504	ug/l	91
17) Carbon Disulfide	1.92	76	218930	18.244	ug/l	97
18) Methyl Acetate	2.46	43	42326	19.573	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	161662	21.203	ug/l	98
20) Methylene Chloride	2.32	84	97393	19.522	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	79279	18.564	ug/l	95
22) Diisopropyl ether	2.94	45	248947	19.637	ug/l	95
23) Vinyl Acetate	3.35	43	563706	93.328	ug/l	99
24) 1,1-Dichloroethane	3.01	63	145191	20.936	ug/l	99
25) 2-Butanone	4.53	43	148406	87.353	ug/l	99
26) 2,2-Dichloropropane	3.78	77	78476	22.414	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	105320	19.044	ug/l	97
28) Bromochloromethane	3.90	49	62961	18.953	ug/l #	86
29) Tetrahydrofuran	4.27	42	64404	83.751	ug/l	94
30) Chloroform	4.06	83	180541	21.183	ug/l	94
31) Cyclohexane	3.88	56	147925	17.799	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	142764	22.884	ug/l #	87
36) 1,1-Dichloropropene	4.48	75	132227	20.377	ug/l	99
37) Ethyl Acetate	4.31	43	54222	17.708	ug/l #	94
38) Carbon Tetrachloride	4.19	117	128445m	22.363	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	147076	18.930	ug/l	92
40) Benzene	4.83	78	323653	19.015	ug/l	97
41) Methacrylonitrile	4.94	41	34963	19.795	ug/l	98
42) 1,2-Dichloroethane	5.13	62	98158	21.815	ug/l	99
43) Isopropyl Acetate	7.12	43	59710	18.540	ug/l #	95
44) Trichloroethene	5.68	130	101438	22.055	ug/l	98
45) 1,2-Dichloropropane	6.41	63	70248	18.737	ug/l	97
46) Dibromomethane	6.27	93	51327	20.577	ug/l	89
47) Bromodichloromethane	6.55	83	120169	21.348	ug/l	97
48) Methyl methacrylate	6.88	41	39157	18.501	ug/l	97
49) 1,4-Dioxane	6.89	88	8643	356.074	ug/l #	91
51) 4-Methyl-2-Pentanone	8.41	43	226748	94.660	ug/l	100
52) Toluene	7.78	92	182003	20.286	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	90076	21.305	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	118636	20.745	ug/l	91
55) 1,1,2-Trichloroethane	8.64	97	53333	21.219	ug/l	91
56) Ethyl methacrylate	8.76	69	61265	21.439	ug/l	99
57) 1,3-Dichloropropane	9.00	76	81614	20.109	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	68339	82.369	ug/l	94
59) 2-Hexanone	9.63	43	167268	112.053	ug/l	98
60) Dibromochloromethane	8.86	129	86576	23.161	ug/l	99
61) 1,2-Dibromoethane	9.13	107	63898	22.565	ug/l	98
64) Tetrachloroethene	8.31	164	85453	22.132	ug/l	97
65) Chlorobenzene	9.93	112	195743	21.462	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	93310	21.847	ug/l	98
67) Ethyl Benzene	10.03	91	354149	21.355	ug/l	97
68) m/p-Xylenes	10.26	106	258981	42.421	ug/l	96
69) o-Xylene	10.82	106	146888	21.671	ug/l	99
70) Styrene	10.89	104	203931	21.320	ug/l	98
71) Bromoform	10.88	173	53579	23.760	ug/l #	98
73) Isopropylbenzene	11.21	105	444659	19.786	ug/l	99
74) N-amyl acetate	11.45	43	105814	18.458	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	72180	18.675	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	49594	18.651	ug/l #	1
77) Bromobenzene	11.58	156	107599	22.350	ug/l	86
78) n-propylbenzene	11.68	91	455620	19.218	ug/l	99
79) 2-Chlorotoluene	11.80	91	280137	19.479	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	358505	19.153	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	31931	23.545	ug/l #	87
82) 4-Chlorotoluene	11.97	91	265953	19.136	ug/l	96
83) tert-Butylbenzene	12.20	119	388176	20.054	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	352448	19.458	ug/l	98
85) sec-Butylbenzene	12.37	105	463122	18.429	ug/l	100
86) p-Isopropyltoluene	12.53	119	430494	20.195	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	187240	20.958	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	183230	21.263	ug/l	96
89) n-Butylbenzene	12.90	91	393423	19.249	ug/l	98
90) Hexachloroethane	12.98	117	107113	19.567	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	180789	20.957	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13310	17.528	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	152216	21.089	ug/l	97
94) Hexachlorobutadiene	14.23	225	106327	21.484	ug/l	99
95) Naphthalene	14.50	128	247952	19.647	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	147357	21.266	ug/l	97

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

