

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062012.D
 Acq On : 19 Mar 2019 12:21
 Operator : VA/AP
 Sample : VF0319SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:54:01 PM

Quant Time: Mar 22 05:17:34 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	4.84	168	275340	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	406207	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	345877	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	185772	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	105796	53.38	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	4.08	113	142276	52.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	7.52	98	390412	48.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.39	95	151982	47.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	71498	24.359	ug/l	98
3) Chloromethane	1.08	50	67706	22.698	ug/l	99
4) Vinyl Chloride	1.14	62	68904	23.885	ug/l	91
5) Bromomethane	1.31	94	44686	22.050	ug/l	97
6) Chloroethane	1.38	64	29736	19.967	ug/l	91
7) Trichlorofluoromethane	1.48	101	82562	21.602	ug/l	86
8) Diethyl Ether	1.62	74	17371	20.445	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.83	101	64394	23.914	ug/l	93
10) Methyl Iodide	1.90	142	107615m	22.828	ug/l	
11) Tert butyl alcohol	2.55	59	12249	100.997	ug/l #	82
12) 1,1-Dichloroethene	1.78	96	52827	22.732	ug/l	92
13) Acrolein	1.99	56	13060	99.751	ug/l	87
14) Allyl chloride	2.08	41	63062	21.259	ug/l	92
15) Acrylonitrile	2.93	53	37765	102.397	ug/l	99
16) Acetone	2.23	43	49937	112.201	ug/l	91
17) Carbon Disulfide	1.79	76	151183m	22.506	ug/l	
18) Methyl Acetate	2.33	43	17839	17.687	ug/l	96
19) Methyl tert-butyl Ether	2.41	73	81574	19.372	ug/l	100
20) Methylene Chloride	2.17	84	52746m	22.714	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	42375	17.473	ug/l	85
22) Diisopropyl ether	2.78	45	142346	19.950	ug/l	98
23) Vinyl Acetate	3.17	43	313736	111.539	ug/l	99
24) 1,1-Dichloroethane	2.86	63	85937	20.714	ug/l	98
25) 2-Butanone	4.31	43	94271	106.951	ug/l #	89
26) 2,2-Dichloropropane	3.58	77	40742	20.819	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	62645	20.495	ug/l	96
28) Bromochloromethane	3.70	49	34389	19.976	ug/l	82
29) Tetrahydrofuran	4.04	42	36984	96.480	ug/l	98
30) Chloroform	3.83	83	98345	20.921	ug/l	99
31) Cyclohexane	3.67	56	88106m	21.497	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	63253	20.261	ug/l	94
36) 1,1-Dichloropropene	4.25	75	81326	22.170	ug/l	98
37) Ethyl Acetate	4.08	43	33245	20.184	ug/l	89
38) Carbon Tetrachloride	3.96	117	57752	21.542	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	92221	21.415	ug/l	99
40) Benzene	4.60	78	209553	21.559	ug/l	100
41) Methacrylonitrile	4.72	41	18209	20.692	ug/l #	89
42) 1,2-Dichloroethane	4.92	62	51280	21.193	ug/l	98
43) Isopropyl Acetate	6.93	43	40562	20.814	ug/l #	84
44) Trichloroethene	5.47	130	67355	22.621	ug/l	100
45) 1,2-Dichloropropane	6.20	63	48986	21.295	ug/l	99
46) Dibromomethane	6.05	93	30269	22.120	ug/l	90
47) Bromodichloromethane	6.36	83	69657	21.592	ug/l	99
48) Methyl methacrylate	6.69	41	25424	20.186	ug/l #	86
49) 1,4-Dioxane	6.68	88	5198	463.983	ug/l #	81
51) 4-Methyl-2-Pentanone	8.23	43	148987	107.662	ug/l	98
52) Toluene	7.59	92	111833	18.831	ug/l	91
53) t-1,3-Dichloropropene	8.25	75	57188	20.997	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	78085	21.972	ug/l	96
55) 1,1,2-Trichloroethane	8.46	97	33312	20.097	ug/l	96
56) Ethyl methacrylate	8.60	69	40851	21.680	ug/l	95
57) 1,3-Dichloropropane	8.82	76	58439	21.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	30888	90.505	ug/l	98
59) 2-Hexanone	9.46	43	108667	108.505	ug/l	98
60) Dibromochloromethane	8.68	129	52511	22.820	ug/l	95
61) 1,2-Dibromoethane	8.96	107	38112	21.436	ug/l	99
64) Tetrachloroethene	8.12	164	55222	21.964	ug/l	97
65) Chlorobenzene	9.77	112	135175	20.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	58628	23.488	ug/l	95
67) Ethyl Benzene	9.87	91	246214	22.330	ug/l	98
68) m/p-Xylenes	10.10	106	183823	44.327	ug/l	88
69) o-Xylene	10.69	106	93136	20.989	ug/l	91
70) Styrene	10.77	104	134392	21.861	ug/l	99
71) Bromoform	10.75	173	27035	21.413	ug/l #	93
73) Isopropylbenzene	11.10	105	291397	22.705	ug/l	96
74) N-amyl acetate	11.35	43	61481	20.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.67	83	44997	21.241	ug/l	95
76) 1,2,3-Trichloropropane	11.77	75	30151	20.354	ug/l	88
77) Bromobenzene	11.48	156	66127	22.249	ug/l	98
78) n-propylbenzene	11.57	91	318330	21.571	ug/l	100
79) 2-Chlorotoluene	11.70	91	177363	21.292	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	231911	22.369	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	14870m	22.691	ug/l	
82) 4-Chlorotoluene	11.88	91	182199	21.629	ug/l	99
83) tert-Butylbenzene	12.11	119	251690	23.214	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	230996	22.245	ug/l	97
85) sec-Butylbenzene	12.28	105	321423	21.942	ug/l	98
86) p-Isopropyltoluene	12.44	119	275255	22.518	ug/l	96
87) 1,3-Dichlorobenzene	12.45	146	129360	22.145	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	124918	22.218	ug/l	96
89) n-Butylbenzene	12.83	91	264875	23.061	ug/l	96
90) Hexachloroethane	12.90	117	64629	23.168	ug/l	96
91) 1,2-Dichlorobenzene	12.92	146	122779	22.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7043	20.718	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	85871	22.792	ug/l	93
94) Hexachlorobutadiene	14.18	225	55354	22.131	ug/l	95
95) Naphthalene	14.44	128	138273	20.406	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	78023	22.510	ug/l	97

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

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