

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062838.D
 Acq On : 4 Jun 2019 14:56
 Operator : FY/SY
 Sample : VF0604SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:58 AM

Quant Time: Jun 05 05:48:40 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	858652	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1442146	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	1092347	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	570268	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	348877	58.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.52%	
35) Dibromofluoromethane	4.31	113	612944	56.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.50%	
50) Toluene-d8	7.71	98	1526388	55.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.78%	
62) 4-Bromofluorobenzene	11.50	95	541810	54.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	235748	21.840	ug/l	99
3) Chloromethane	1.15	50	185787	20.911	ug/l	98
4) Vinyl Chloride	1.20	62	178611	20.230	ug/l	98
5) Bromomethane	1.41	94	107283	21.307	ug/l	98
6) Chloroethane	1.45	64	69410	21.027	ug/l	88
7) Trichlorofluoromethane	1.55	101	276762m	22.143	ug/l	
8) Diethyl Ether	1.71	74	51179	20.813	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.93	101	172543	21.958	ug/l	96
10) Methyl Iodide	1.99	142	335375m	21.286	ug/l	
11) Tert butyl alcohol	2.70	59	43564	121.113	ug/l	98
12) 1,1-Dichloroethene	1.88	96	157318	22.047	ug/l	92
13) Acrolein	2.10	56	11851	76.804	ug/l #	56
14) Allyl chloride	2.20	41	129892	23.465	ug/l	93
15) Acrylonitrile	3.09	53	166426	123.134	ug/l	98
16) Acetone	2.35	43	132668	97.622	ug/l	93
17) Carbon Disulfide	1.93	76	433098	20.767	ug/l	96
18) Methyl Acetate	2.46	43	54950	23.139	ug/l #	87
19) Methyl tert-butyl Ether	2.55	73	305059	23.598	ug/l	100
20) Methylene Chloride	2.29	84	158961m	21.666	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	164025	22.927	ug/l	98
22) Diisopropyl ether	2.94	45	327748	20.839	ug/l	98
23) Vinyl Acetate	3.35	43	1230439	114.279	ug/l	98
24) 1,1-Dichloroethane	3.01	63	264699	22.542	ug/l	97
25) 2-Butanone	4.53	43	343771	108.624	ug/l	98
26) 2,2-Dichloropropane	3.78	77	152616	22.890	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	265113	22.045	ug/l	95
28) Bromochloromethane	3.90	49	136714	21.404	ug/l	88
29) Tetrahydrofuran	4.27	42	146085	120.687	ug/l	98
30) Chloroform	4.06	83	374144	22.607	ug/l	100
31) Cyclohexane	3.88	56	349330m	21.973	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	201031	20.863	ug/l	98
36) 1,1-Dichloropropene	4.48	75	291068	21.924	ug/l	99
37) Ethyl Acetate	4.31	43	119636	23.573	ug/l	94
38) Carbon Tetrachloride	4.18	117	211169	23.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	360217	21.800	ug/l	96
40) Benzene	4.83	78	873119	22.597	ug/l	97
41) Methacrylonitrile	4.94	41	61390	21.759	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	163851	22.296	ug/l	90
43) Isopropyl Acetate	7.12	43	151235	22.558	ug/l #	93
44) Trichloroethene	5.69	130	240311	22.037	ug/l	92
45) 1,2-Dichloropropane	6.41	63	208366	21.489	ug/l	97
46) Dibromomethane	6.26	93	131666	23.258	ug/l	99
47) Bromodichloromethane	6.56	83	260569	22.601	ug/l	94
48) Methyl methacrylate	6.89	41	76284	22.079	ug/l	91
49) 1,4-Dioxane	6.88	88	19088	419.128	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	593288	123.953	ug/l	93
52) Toluene	7.78	92	463159	22.255	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	216657	22.678	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	311474	22.523	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	139713	22.471	ug/l	94
56) Ethyl methacrylate	8.76	69	158888	23.818	ug/l	97
57) 1,3-Dichloropropane	9.00	76	237478	23.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	239797	102.853	ug/l	99
59) 2-Hexanone	9.63	43	435788	127.738	ug/l	96
60) Dibromochloromethane	8.87	129	173071	22.484	ug/l	92
61) 1,2-Dibromoethane	9.13	107	156434	24.227	ug/l	95
64) Tetrachloroethene	8.31	164	188185	22.419	ug/l	91
65) Chlorobenzene	9.93	112	464275	22.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	181251	21.574	ug/l	98
67) Ethyl Benzene	10.03	91	789689	21.815	ug/l	97
68) m/p-Xylenes	10.26	106	639382	46.157	ug/l	86
69) o-Xylene	10.82	106	324979	23.171	ug/l	94
70) Styrene	10.89	104	484477	23.436	ug/l	98
71) Bromoform	10.88	173	92752	23.014	ug/l #	94
73) Isopropylbenzene	11.21	105	842456	21.172	ug/l	96
74) N-amyl acetate	11.45	43	247859	22.101	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	193384	22.758	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	122781	21.798	ug/l	88
77) Bromobenzene	11.58	156	211706	21.175	ug/l	82
78) n-propylbenzene	11.67	91	1039686	21.640	ug/l	91
79) 2-Chlorotoluene	11.79	91	571729	20.797	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	694585	21.345	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	57048m	23.923	ug/l	
82) 4-Chlorotoluene	11.97	91	582445	21.559	ug/l	94
83) tert-Butylbenzene	12.20	119	687204	21.313	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	700654	22.710	ug/l	95
85) sec-Butylbenzene	12.37	105	938752	22.095	ug/l	97
86) p-Isopropyltoluene	12.51	119	767847	21.712	ug/l	93
87) 1,3-Dichlorobenzene	12.53	146	398624	22.608	ug/l	94
88) 1,4-Dichlorobenzene	12.62	146	370839	22.536	ug/l	97
89) n-Butylbenzene	12.90	91	812829	22.849	ug/l	92
90) Hexachloroethane	12.97	117	195045	22.613	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	357633	23.076	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	22491	24.294	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	220417	20.714	ug/l	98
94) Hexachlorobutadiene	14.23	225	151353	20.560	ug/l	98
95) Naphthalene	14.50	128	371697	21.321	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	208037	21.418	ug/l	93

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

