

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062823.D
 Acq On : 3 Jun 2019 12:36
 Operator : FY/SY
 Sample : VF0603SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:15:44 PM

Quant Time: Jun 04 09:11:20 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	947086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1585277	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1217285	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	640906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	341175	52.09	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	4.32	113	623589	52.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	7.72	98	1569001	51.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.50	95	597597	54.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	250881	20.906	ug/l	100
3) Chloromethane	1.15	50	202007	20.614	ug/l	98
4) Vinyl Chloride	1.20	62	187782	19.283	ug/l	96
5) Bromomethane	1.40	94	105304	18.961	ug/l	92
6) Chloroethane	1.44	64	63670	17.487	ug/l #	87
7) Trichlorofluoromethane	1.56	101	284038	20.603	ug/l	89
8) Diethyl Ether	1.72	74	49043	18.082	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	166274	19.184	ug/l	93
10) Methyl Iodide	1.98	142	333465	19.188	ug/l	93
11) Tert butyl alcohol	2.70	59	41347	104.216	ug/l	95
12) 1,1-Dichloroethene	1.88	96	145045	18.429	ug/l	98
13) Acrolein	2.10	56	13247	77.949	ug/l	85
14) Allyl chloride	2.21	41	140982	23.090	ug/l	92
15) Acrylonitrile	3.10	53	100565	67.458	ug/l #	96
16) Acetone	2.35	43	132218	88.207	ug/l	97
17) Carbon Disulfide	1.91	76	437844	19.034	ug/l	99
18) Methyl Acetate	2.47	43	42736	16.315	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	291797	20.464	ug/l	98
20) Methylene Chloride	2.30	84	158942m	19.344	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	155158	19.662	ug/l	86
22) Diisopropyl ether	2.95	45	321771	18.549	ug/l	94
23) Vinyl Acetate	3.35	43	1205554	101.513	ug/l	99
24) 1,1-Dichloroethane	3.02	63	250841	19.367	ug/l	98
25) 2-Butanone	4.54	43	329082	94.273	ug/l	98
26) 2,2-Dichloropropane	3.79	77	179073	24.350	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	272484	20.542	ug/l	95
28) Bromochloromethane	3.92	49	133258	18.915	ug/l	99
29) Tetrahydrofuran	4.28	42	128308	96.103	ug/l	93
30) Chloroform	4.06	83	375059	20.547	ug/l	100
31) Cyclohexane	3.89	56	356788	20.347	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	250874	23.605	ug/l	98
36) 1,1-Dichloropropene	4.48	75	296944	20.347	ug/l	95
37) Ethyl Acetate	4.31	43	111615	20.007	ug/l #	83
38) Carbon Tetrachloride	4.19	117	226213	22.935	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	381957	21.029	ug/l	99
40) Benzene	4.83	78	864574	20.356	ug/l	98
41) Methacrylonitrile	4.94	41	60762	19.592	ug/l	94
42) 1,2-Dichloroethane	5.14	62	156087	19.322	ug/l	96
43) Isopropyl Acetate	7.12	43	149058	20.226	ug/l #	95
44) Trichloroethene	5.70	130	245258	20.460	ug/l	96
45) 1,2-Dichloropropane	6.42	63	222600	20.885	ug/l	97
46) Dibromomethane	6.27	93	132085	21.225	ug/l	96
47) Bromodichloromethane	6.56	83	250660	19.778	ug/l #	96
48) Methyl methacrylate	6.89	41	67992	17.902	ug/l	98
49) 1,4-Dioxane	6.88	88	20799	415.464	ug/l #	80
51) 4-Methyl-2-Pentanone	8.41	43	556945	105.854	ug/l	95
52) Toluene	7.79	92	467678	20.443	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	227494	21.662	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	307374	20.220	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	142251	20.814	ug/l	96
56) Ethyl methacrylate	8.77	69	155133	21.155	ug/l	98
57) 1,3-Dichloropropane	9.00	76	232069	20.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	270862	105.688	ug/l	98
59) 2-Hexanone	9.63	43	396877	105.829	ug/l	100
60) Dibromochloromethane	8.86	129	176579	20.869	ug/l	94
61) 1,2-Dibromoethane	9.14	107	147471	20.777	ug/l	99
64) Tetrachloroethene	8.31	164	191239	20.444	ug/l	97
65) Chlorobenzene	9.94	112	489123	20.807	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	189582	20.250	ug/l	98
67) Ethyl Benzene	10.04	91	840510	20.836	ug/l	99
68) m/p-Xylenes	10.26	106	615291	39.859	ug/l	84
69) o-Xylene	10.83	106	332051	21.246	ug/l	99
70) Styrene	10.89	104	499742	21.694	ug/l	99
71) Bromoform	10.88	173	94087	20.949	ug/l #	100
73) Isopropylbenzene	11.22	105	849721	19.001	ug/l	94
74) N-amyl acetate	11.45	43	228021	18.091	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.77	83	184769	19.348	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	124347	19.643	ug/l	87
77) Bromobenzene	11.58	156	215535	19.182	ug/l	89
78) n-propylbenzene	11.67	91	1078604	19.976	ug/l	93
79) 2-Chlorotoluene	11.80	91	593195	19.200	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	716206	19.584	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	52831m	19.713	ug/l	
82) 4-Chlorotoluene	11.98	91	621491	20.469	ug/l	100
83) tert-Butylbenzene	12.20	119	773506	21.345	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	739819	21.336	ug/l	97
85) sec-Butylbenzene	12.37	105	1018938	21.339	ug/l	98
86) p-Isopropyltoluene	12.52	119	846082	21.288	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	415822	20.984	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	380223	20.560	ug/l	98
89) n-Butylbenzene	12.90	91	864561	21.624	ug/l	88
90) Hexachloroethane	12.97	117	203262	20.968	ug/l	86
91) 1,2-Dichlorobenzene	13.00	146	366505	21.042	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21059	20.240	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	241396	20.185	ug/l	96
94) Hexachlorobutadiene	14.23	225	162864	19.685	ug/l	98
95) Naphthalene	14.49	128	369613	18.865	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	216137	19.799	ug/l	97

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

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