

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062897.D
 Acq On : 7 Jun 2019 13:56
 Operator : FY/SY
 Sample : VF0607SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:37 PM

Quant Time: Jun 08 00:56:09 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	792184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1306118	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	998532	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	457733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	262294	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	4.32	113	486058	49.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	7.72	98	1137962	45.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.50	95	384151	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	224922	22.746	ug/l	86
3) Chloromethane	1.15	50	178383	21.763	ug/l	95
4) Vinyl Chloride	1.19	62	172346	21.159	ug/l	92
5) Bromomethane	1.41	94	100584	21.653	ug/l	86
6) Chloroethane	1.46	64	58686	19.270	ug/l #	86
7) Trichlorofluoromethane	1.57	101	257184	22.303	ug/l	96
8) Diethyl Ether	1.72	74	51035	22.495	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168519	23.245	ug/l	96
10) Methyl Iodide	2.00	142	313099	21.539	ug/l	95
11) Tert butyl alcohol	2.71	59	35621	107.340	ug/l	99
12) 1,1-Dichloroethene	1.88	96	147492	22.405	ug/l	98
13) Acrolein	2.11	56	9708	67.247	ug/l	94
14) Allyl chloride	2.21	41	121121	23.716	ug/l	94
15) Acrylonitrile	3.11	53	129773	104.071	ug/l	92
16) Acetone	2.36	43	130368	103.979	ug/l	96
17) Carbon Disulfide	1.92	76	422072	21.936	ug/l	99
18) Methyl Acetate	2.47	43	56747	25.900	ug/l #	86
19) Methyl tert-butyl Ether	2.55	73	260760	21.863	ug/l	98
20) Methylene Chloride	2.36	84	170569m	25.717	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	149710	22.681	ug/l	89
22) Diisopropyl ether	2.95	45	317432	21.877	ug/l	93
23) Vinyl Acetate	3.35	43	1151156	115.886	ug/l	97
24) 1,1-Dichloroethane	3.03	63	251966	23.258	ug/l	95
25) 2-Butanone	4.53	43	294662	100.919	ug/l	98
26) 2,2-Dichloropropane	3.79	77	155672	25.307	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	255452	23.024	ug/l	96
28) Bromochloromethane	3.91	49	106569	18.084	ug/l #	54
29) Tetrahydrofuran	4.28	42	135533	121.365	ug/l	96
30) Chloroform	4.07	83	345809	22.648	ug/l	98
31) Cyclohexane	3.89	56	121896	8.311	ug/l	89
32) 1,1,1-Trichloroethane	4.31	97	229892	25.860	ug/l	93
36) 1,1-Dichloropropene	4.49	75	259695	21.598	ug/l	99
37) Ethyl Acetate	4.33	43	112982m	24.581	ug/l	
38) Carbon Tetrachloride	4.20	117	192453	23.683	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	340862	22.777	ug/l	97
40) Benzene	4.84	78	833425	23.816	ug/l	100
41) Methacrylonitrile	4.94	41	63536	24.865	ug/l #	82
42) 1,2-Dichloroethane	5.15	62	144504	21.712	ug/l	88
43) Isopropyl Acetate	7.13	43	125451	20.661	ug/l #	96
44) Trichloroethene	5.70	130	226988	22.983	ug/l	96
45) 1,2-Dichloropropane	6.42	63	205617	23.414	ug/l	96
46) Dibromomethane	6.27	93	114465	22.325	ug/l	91
47) Bromodichloromethane	6.57	83	227470	21.785	ug/l	94
48) Methyl methacrylate	6.89	41	61711	19.721	ug/l	97
49) 1,4-Dioxane	6.88	88	16169	392.009	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	515534	118.926	ug/l	94
52) Toluene	7.79	92	398263	21.130	ug/l	89
53) t-1,3-Dichloropropene	8.43	75	192735	22.275	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	269691	21.533	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	123532	21.938	ug/l	95
56) Ethyl methacrylate	8.76	69	132484	21.928	ug/l	93
57) 1,3-Dichloropropane	9.00	76	209715	22.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	236116	111.822	ug/l	96
59) 2-Hexanone	9.63	43	358960	116.176	ug/l	99
60) Dibromochloromethane	8.87	129	158281	22.704	ug/l	90
61) 1,2-Dibromoethane	9.14	107	132937	22.732	ug/l	95
64) Tetrachloroethene	8.31	164	166968	21.760	ug/l	93
65) Chlorobenzene	9.94	112	421226	21.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	164299	21.394	ug/l	100
67) Ethyl Benzene	10.03	91	744352	22.494	ug/l	99
68) m/p-Xylenes	10.26	106	538945	42.562	ug/l	81
69) o-Xylene	10.82	106	261156	20.370	ug/l	92
70) Styrene	10.89	104	375226	19.857	ug/l	94
71) Bromoform	10.88	173	73655	19.993	ug/l #	99
73) Isopropylbenzene	11.22	105	731170	22.893	ug/l	95
74) N-amyl acetate	11.45	43	212792	23.639	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	152674	22.384	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	99593	22.029	ug/l	89
77) Bromobenzene	11.58	156	165075	20.570	ug/l	77
78) n-propylbenzene	11.67	91	873079	22.640	ug/l	90
79) 2-Chlorotoluene	11.80	91	491285	22.264	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	590491	22.607	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	42908m	22.417	ug/l	
82) 4-Chlorotoluene	11.98	91	480326	22.150	ug/l	97
83) tert-Butylbenzene	12.20	119	605052	23.378	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	584161	23.589	ug/l	98
85) sec-Butylbenzene	12.37	105	847453	24.850	ug/l	97
86) p-Isopropyltoluene	12.52	119	675233	23.788	ug/l	92
87) 1,3-Dichlorobenzene	12.54	146	315616	22.301	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	308547	23.361	ug/l	93
89) n-Butylbenzene	12.90	91	710511	24.883	ug/l	90
90) Hexachloroethane	12.97	117	169087	24.423	ug/l	70
91) 1,2-Dichlorobenzene	13.00	146	279993	22.508	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17872	24.051	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	208447	24.405	ug/l	96
94) Hexachlorobutadiene	14.23	225	143056	24.211	ug/l	96
95) Naphthalene	14.50	128	326701	23.348	ug/l	96
96) 1,2,3-Trichlorobenzene	14.64	180	186074	23.866	ug/l	97

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

