

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061886.D
 Acq On : 11 Mar 2019 13:36
 Operator : VA/AP
 Sample : VF0311SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0311SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 4:36:55 PM

Quant Time: Mar 12 05:28:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	286305	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	419997	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	367893	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	198682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111556	53.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.00%	
35) Dibromofluoromethane	4.11	113	152374	51.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.98%	
50) Toluene-d8	7.55	98	408638	46.91	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.41	95	169564	49.69	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	89333	25.415	ug/l	90
3) Chloromethane	1.10	50	80180	23.537	ug/l	96
4) Vinyl Chloride	1.14	62	80016	24.744	ug/l	94
5) Bromomethane	1.33	94	51345	23.298	ug/l	96
6) Chloroethane	1.40	64	36819	23.952	ug/l	93
7) Trichlorofluoromethane	1.50	101	99262m	25.133	ug/l	
8) Diethyl Ether	1.62	74	22298	24.827	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	65243	24.326	ug/l	97
10) Methyl Iodide	1.91	142	125187m	24.527	ug/l	
11) Tert butyl alcohol	2.57	59	14451	122.111	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	57777	23.596	ug/l	95
13) Acrolein	2.00	56	14800	98.697	ug/l	97
14) Allyl chloride	2.09	41	73682	27.314	ug/l	91
15) Acrylonitrile	2.94	53	44311	117.587	ug/l	100
16) Acetone	2.24	43	58701	134.405	ug/l	93
17) Carbon Disulfide	1.81	76	176664	23.178	ug/l	100
18) Methyl Acetate	2.34	43	26450	31.551	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	99954	24.131	ug/l	97
20) Methylene Chloride	2.18	84	65564m	24.321	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	59102	25.646	ug/l	88
22) Diisopropyl ether	2.80	45	166706	23.757	ug/l	95
23) Vinyl Acetate	3.18	43	369632	117.915	ug/l	100
24) 1,1-Dichloroethane	2.87	63	105260	25.097	ug/l	99
25) 2-Butanone	4.33	43	103891	116.944	ug/l #	86
26) 2,2-Dichloropropane	3.60	77	47969	25.620	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	75595	23.677	ug/l	97
28) Bromochloromethane	3.71	49	42587	23.294	ug/l #	98
29) Tetrahydrofuran	4.07	42	45007	117.471	ug/l	97
30) Chloroform	3.85	83	114104	23.818	ug/l	97
31) Cyclohexane	3.68	56	94327m	21.472	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	69403	23.504	ug/l	95
36) 1,1-Dichloropropene	4.28	75	94410	23.797	ug/l	96
37) Ethyl Acetate	4.11	43	40058	24.056	ug/l	90
38) Carbon Tetrachloride	3.98	117	71982	25.630	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	107036	22.842	ug/l	99
40) Benzene	4.62	78	239371	23.083	ug/l	98
41) Methacrylonitrile	4.74	41	20233	22.177	ug/l	92
42) 1,2-Dichloroethane	4.94	62	62334	24.120	ug/l	91
43) Isopropyl Acetate	6.95	43	45014	21.930	ug/l	93
44) Trichloroethene	5.50	130	77323	23.993	ug/l	100
45) 1,2-Dichloropropane	6.23	63	55479	22.498	ug/l	96
46) Dibromomethane	6.08	93	36220	23.338	ug/l	97
47) Bromodichloromethane	6.38	83	79309	23.131	ug/l	98
48) Methyl methacrylate	6.71	41	29887	23.006	ug/l	93
49) 1,4-Dioxane	6.71	88	4926	414.802	ug/l #	72
51) 4-Methyl-2-Pentanone	8.25	43	163900	115.530	ug/l	95
52) Toluene	7.62	92	140219	22.857	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	62140	21.956	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	88884	22.769	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	39942	22.597	ug/l	97
56) Ethyl methacrylate	8.62	69	45166	22.673	ug/l	98
57) 1,3-Dichloropropane	8.84	76	67965	23.512	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.28	63	36464	115.713	ug/l	89
59) 2-Hexanone	9.48	43	118269	115.559	ug/l	94
60) Dibromochloromethane	8.70	129	58372	23.170	ug/l	95
61) 1,2-Dibromoethane	8.98	107	42446	21.837	ug/l	100
64) Tetrachloroethene	8.14	164	68531	24.243	ug/l	94
65) Chlorobenzene	9.79	112	156871	22.194	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	65908	24.067	ug/l	96
67) Ethyl Benzene	9.90	91	272542	23.264	ug/l	97
68) m/p-Xylenes	10.12	106	197737	44.060	ug/l	92
69) o-Xylene	10.71	106	112246	23.227	ug/l	95
70) Styrene	10.78	104	152591	22.437	ug/l	99
71) Bromoform	10.76	173	32651	22.560	ug/l #	99
73) Isopropylbenzene	11.12	105	330143	24.136	ug/l	98
74) N-amyl acetate	11.37	43	75367	23.934	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	53509	23.537	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	35834	23.095	ug/l	95
77) Bromobenzene	11.48	156	73126	22.214	ug/l	99
78) n-propylbenzene	11.58	91	366384	23.719	ug/l	97
79) 2-Chlorotoluene	11.71	91	206434	23.376	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	259291	23.611	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	15699m	22.127	ug/l	
82) 4-Chlorotoluene	11.89	91	211120	23.372	ug/l	97
83) tert-Butylbenzene	12.13	119	278227	23.859	ug/l	93
84) 1,2,4-Trimethylbenzene	12.19	105	248649	23.097	ug/l	95
85) sec-Butylbenzene	12.30	105	372110	24.521	ug/l	98
86) p-Isopropyltoluene	12.45	119	302696	23.467	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	144845	23.173	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	137464	22.798	ug/l	98
89) n-Butylbenzene	12.84	91	302807	24.564	ug/l	95
90) Hexachloroethane	12.91	117	72621	23.390	ug/l	82
91) 1,2-Dichlorobenzene	12.93	146	142509	24.064	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8909	24.635	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	97080	23.383	ug/l	98
94) Hexachlorobutadiene	14.19	225	63055	21.938	ug/l	95
95) Naphthalene	14.45	128	166226	22.479	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	88699	23.138	ug/l	94

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

