

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062286.D
 Acq On : 24 Apr 2019 17:42
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF042419

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:03 AM

Quant Time: Apr 25 08:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	461715	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	638943	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	471080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	259208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	194868	52.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.20%	
35) Dibromofluoromethane	4.32	113	235973	49.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.62%	
50) Toluene-d8	7.72	98	575169	49.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.50	95	228196	47.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	279238	50.892	ug/l	97
3) Chloromethane	1.15	50	239570	51.828	ug/l	95
4) Vinyl Chloride	1.19	62	224719	51.332	ug/l	97
5) Bromomethane	1.40	94	156049	52.489	ug/l	93
6) Chloroethane	1.44	64	106206	55.342	ug/l	99
7) Trichlorofluoromethane	1.56	101	373119	53.636	ug/l	92
8) Diethyl Ether	1.72	74	65692	52.126	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	233991	53.599	ug/l	99
10) Methyl Iodide	1.98	142	396664	51.981	ug/l	100
11) Tert butyl alcohol	2.71	59	59062	261.066	ug/l	97
12) 1,1-Dichloroethene	1.87	96	207223	53.199	ug/l	93
13) Acrolein	2.11	56	53465	252.000	ug/l	99
14) Allyl chloride	2.20	41	202610	47.794	ug/l #	68
15) Acrylonitrile	3.10	53	154128	245.976	ug/l	97
16) Acetone	2.36	43	250935	299.674	ug/l	96
17) Carbon Disulfide	1.92	76	527983	51.502	ug/l	100
18) Methyl Acetate	2.46	43	87269	56.432	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	402797	54.241	ug/l	99
20) Methylene Chloride	2.34	84	186311m	52.361	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	195249	50.721	ug/l	95
22) Diisopropyl ether	2.94	45	598732	52.464	ug/l	99
23) Vinyl Acetate	3.35	43	1384672	273.613	ug/l	100
24) 1,1-Dichloroethane	3.02	63	337904	51.876	ug/l	99
25) 2-Butanone	4.53	43	361411	272.202	ug/l	99
26) 2,2-Dichloropropane	3.78	77	171467	50.691	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	259961	53.327	ug/l	96
28) Bromochloromethane	3.91	49	135449	49.346	ug/l #	100
29) Tetrahydrofuran	4.28	42	147941	253.584	ug/l	98
30) Chloroform	4.06	83	446729	54.618	ug/l	99
31) Cyclohexane	3.88	56	330276	53.288	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	269088	41.903	ug/l #	60
36) 1,1-Dichloropropene	4.48	75	310507	52.675	ug/l	97
37) Ethyl Acetate	4.32	43	129234	52.112	ug/l #	78
38) Carbon Tetrachloride	4.19	117	288029m	48.064	ug/l	

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39) Methylcyclohexane	5.64	83	354332	51.492	ug/l	97
40) Benzene	4.83	78	780704	54.817	ug/l	99
41) Methacrylonitrile	4.94	41	76651	55.636	ug/l	98
42) 1,2-Dichloroethane	5.14	62	255393	56.604	ug/l	99
43) Isopropyl Acetate	7.12	43	131694	51.830	ug/l #	99
44) Trichloroethene	5.69	130	242095	50.242	ug/l	96
45) 1,2-Dichloropropane	6.42	63	172837	53.825	ug/l	96
46) Dibromomethane	6.27	93	125893	54.295	ug/l	98
47) Bromodichloromethane	6.56	83	297668	54.609	ug/l	96
48) Methyl methacrylate	6.88	41	94857	52.208	ug/l	99
49) 1,4-Dioxane	6.88	88	22034	1053.175	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	501896	256.858	ug/l	100
52) Toluene	7.79	92	410249	49.920	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	211866	52.858	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	264725	51.555	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	124173	53.201	ug/l	95
56) Ethyl methacrylate	8.76	69	134509	52.457	ug/l	98
57) 1,3-Dichloropropane	9.00	76	184155	50.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	186919	239.560	ug/l	97
59) 2-Hexanone	9.63	43	329892	278.185	ug/l	98
60) Dibromochloromethane	8.86	129	200906	53.035	ug/l	97
61) 1,2-Dibromoethane	9.14	107	143741	53.210	ug/l	96
64) Tetrachloroethene	8.31	164	206562	52.424	ug/l	98
65) Chlorobenzene	9.94	112	462714	53.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	210833	51.996	ug/l	99
67) Ethyl Benzene	10.03	91	769227	51.399	ug/l	97
68) m/p-Xylenes	10.26	106	577747	103.689	ug/l	98
69) o-Xylene	10.82	106	323270	51.930	ug/l	99
70) Styrene	10.89	104	437133	48.576	ug/l	100
71) Bromoform	10.88	173	115175	50.462	ug/l #	97
73) Isopropylbenzene	11.22	105	937099	52.766	ug/l	96
74) N-amyl acetate	11.45	43	193152	47.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	153449	54.385	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	103667	51.785	ug/l #	100
77) Bromobenzene	11.58	156	231322	52.103	ug/l	99
78) n-propylbenzene	11.68	91	929707	49.752	ug/l	100
79) 2-Chlorotoluene	11.80	91	597730	53.104	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	772533	51.528	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	47195m	52.742	ug/l	
82) 4-Chlorotoluene	11.98	91	559358	50.222	ug/l	98
83) tert-Butylbenzene	12.20	119	829956	53.941	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	737675	50.802	ug/l	99
85) sec-Butylbenzene	12.37	105	1037932	54.160	ug/l	100
86) p-Isopropyltoluene	12.52	119	899197	52.335	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	397281	50.579	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	385877	51.814	ug/l	99
89) n-Butylbenzene	12.90	91	806245	51.644	ug/l	99
90) Hexachloroethane	12.98	117	239805	55.680	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	390872	51.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31786	55.843	ug/l	83

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93) 1,2,4-Trichlorobenzene	14.24	180	344201	51.965	ug/l	99
94) Hexachlorobutadiene	14.23	225	258681	54.304	ug/l	100
95) Naphthalene	14.50	128	561855	54.753	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	338850	54.090	ug/l	99

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

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