

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060396.D
 Acq On : 2 Oct 2018 11:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:01:59 PM

Quant Time: Oct 02 14:20:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	311202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	508742	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	458635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	250149	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	234191	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	4.27	113	233503	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	7.69	98	620514	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.50	95	260590	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	278981	40.655	ug/l	98
3) Chloromethane	1.13	50	196470	46.493	ug/l	100
4) Vinyl Chloride	1.18	62	200993	45.722	ug/l	97
5) Bromomethane	1.35	94	146635	43.064	ug/l	100
6) Chloroethane	1.43	64	101034	46.056	ug/l	92
7) Trichlorofluoromethane	1.52	101	434968	42.647	ug/l	92
8) Diethyl Ether	1.69	74	57010	40.787	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	209753	42.934	ug/l	97
10) Methyl Iodide	1.97	142	351669	47.202	ug/l	85
11) Tert butyl alcohol	2.67	59	75187	255.262	ug/l #	83
12) 1,1-Dichloroethene	1.86	96	182256	48.282	ug/l	85
13) Acrolein	2.08	56	53724	226.800	ug/l	100
14) Allyl chloride	2.18	41	298795	49.399	ug/l	89
15) Acrylonitrile	3.06	53	130207	257.985	ug/l	87
16) Acetone	2.33	43	285221	287.957	ug/l	96
17) Carbon Disulfide	1.88	76	543740	47.569	ug/l	96
18) Methyl Acetate	2.44	43	89597	48.918	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	428134	46.566	ug/l	94
20) Methylene Chloride	2.27	84	166009m	46.296	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	183562	48.690	ug/l	96
22) Diisopropyl ether	2.91	45	562630	51.247	ug/l #	95
23) Vinyl Acetate	3.32	43	1175422	269.519	ug/l	97
24) 1,1-Dichloroethane	2.99	63	366428	49.355	ug/l	100
25) 2-Butanone	4.49	43	348756	276.593	ug/l	95
26) 2,2-Dichloropropane	3.74	77	204809	48.706	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	224097	53.164	ug/l	91
28) Bromochloromethane	3.87	49	139686	51.050	ug/l	100
29) Tetrahydrofuran	4.23	42	132788	280.117	ug/l	99
30) Chloroform	4.02	83	433639	47.334	ug/l	99
31) Cyclohexane	3.84	56	284481	53.361	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	355203	46.594	ug/l	97
36) 1,1-Dichloropropene	4.44	75	323775	51.619	ug/l	98
37) Ethyl Acetate	4.27	43	125793	52.371	ug/l #	79
38) Carbon Tetrachloride	4.14	117	351501m	46.038	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	338037	54.973	ug/l	94
40) Benzene	4.78	78	659736	52.983	ug/l	98
41) Methacrylonitrile	4.89	41	67700	53.158	ug/l	88
42) 1,2-Dichloroethane	5.10	62	284792	47.941	ug/l	96
43) Isopropyl Acetate	7.09	43	169191	58.287	ug/l #	95
44) Trichloroethene	5.65	130	206572	51.703	ug/l	93
45) 1,2-Dichloropropane	6.38	63	180828	54.531	ug/l	99
46) Dibromomethane	6.23	93	135567	50.848	ug/l	97
47) Bromodichloromethane	6.53	83	325027	49.223	ug/l	99
48) Methyl methacrylate	6.85	41	111239	53.387	ug/l	96
49) 1,4-Dioxane	6.85	88	21066	1172.568	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	584252	282.757	ug/l	95
52) Toluene	7.76	92	438535	51.851	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	260856	50.409	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	323851	53.548	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	133876	49.938	ug/l	91
56) Ethyl methacrylate	8.74	69	171308	56.235	ug/l	98
57) 1,3-Dichloropropane	8.98	76	236392	52.123	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	72732	233.742	ug/l #	100
59) 2-Hexanone	9.61	43	451100	297.642	ug/l	95
60) Dibromochloromethane	8.85	129	205187	50.834	ug/l	98
61) 1,2-Dibromoethane	9.11	107	155799	53.112	ug/l	93
64) Tetrachloroethene	8.28	164	186105	51.045	ug/l	96
65) Chlorobenzene	9.92	112	491605	52.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	205396	49.930	ug/l	93
67) Ethyl Benzene	10.02	91	915996	51.135	ug/l	99
68) m/p-Xylenes	10.26	106	634440	103.027	ug/l	88
69) o-Xylene	10.81	106	353025	52.594	ug/l	99
70) Styrene	10.89	104	487336	51.043	ug/l	96
71) Bromoform	10.88	173	115104	52.556	ug/l #	97
73) Isopropylbenzene	11.21	105	1019845	51.779	ug/l	98
74) N-amyl acetate	11.45	43	266234	58.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	187875	52.320	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	136344	51.575	ug/l	94
77) Bromobenzene	11.59	156	221640	50.341	ug/l	88
78) n-propylbenzene	11.67	91	1192711	49.951	ug/l	99
79) 2-Chlorotoluene	11.80	91	694870	49.749	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	839122	50.145	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	63225m	53.953	ug/l	
82) 4-Chlorotoluene	11.98	91	709976	49.680	ug/l	95
83) tert-Butylbenzene	12.21	119	839481	50.862	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	851555	51.312	ug/l	97
85) sec-Butylbenzene	12.37	105	1122630	49.277	ug/l	99
86) p-Isopropyltoluene	12.52	119	921566	49.513	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	404662	48.843	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	403067	49.338	ug/l	98
89) n-Butylbenzene	12.91	91	966829	49.089	ug/l	98
90) Hexachloroethane	12.99	117	245812	51.098	ug/l	78
91) 1,2-Dichlorobenzene	13.01	146	402183	50.664	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36754	52.797	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285819	48.172	ug/l	97
94) Hexachlorobutadiene	14.25	225	193336	46.688	ug/l	97
95) Naphthalene	14.51	128	564399	53.203	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	276194	49.659	ug/l	93

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

