

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060493.D
 Acq On : 9 Oct 2018 16:12
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:33:51 PM

Quant Time: Oct 10 02:05:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	255775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	436904	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	373237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	202899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	205636	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	4.26	113	206539	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	7.68	98	484934	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.49	95	216508	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	238815	40.883	ug/l	100
3) Chloromethane	1.14	50	154527	45.337	ug/l	100
4) Vinyl Chloride	1.18	62	168391	47.208	ug/l	100
5) Bromomethane	1.37	94	137901	49.997	ug/l	100
6) Chloroethane	1.42	64	87080	49.058	ug/l	100
7) Trichlorofluoromethane	1.54	101	403858	49.079	ug/l	100
8) Diethyl Ether	1.69	74	55161	47.872	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	191684	48.189	ug/l	100
10) Methyl Iodide	1.96	142	305605	49.957	ug/l	100
11) Tert butyl alcohol	2.67	59	51818	219.019	ug/l	100
12) 1,1-Dichloroethene	1.85	96	161416	51.585	ug/l	100
13) Acrolein	2.08	56	22843	129.474	ug/l	100
14) Allyl chloride	2.17	41	229191	46.893	ug/l	100
15) Acrylonitrile	3.05	53	102784	247.393	ug/l	100
16) Acetone	2.32	43	182585	192.353	ug/l	100
17) Carbon Disulfide	1.89	76	436086	47.107	ug/l	100
18) Methyl Acetate	2.43	43	77619	46.321	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	380601	50.582	ug/l	100
20) Methylene Chloride	2.31	84	141446m	40.600	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	158007	50.823	ug/l	100
22) Diisopropyl ether	2.91	45	507197	54.977	ug/l	100
23) Vinyl Acetate	3.31	43	859374	241.086	ug/l	100
24) 1,1-Dichloroethane	2.98	63	337579	54.358	ug/l	100
25) 2-Butanone	4.48	43	225239	219.497	ug/l	100
26) 2,2-Dichloropropane	3.74	77	174613	50.693	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	176822	50.748	ug/l	100
28) Bromochloromethane	3.85	49	108028	49.101	ug/l	100
29) Tetrahydrofuran	4.22	42	93181	224.662	ug/l	100
30) Chloroform	4.00	83	377513	50.432	ug/l	100
31) Cyclohexane	3.83	56	203623	47.248	ug/l	100
32) 1,1,1-Trichloroethane	4.25	97	303387	49.304	ug/l	100
36) 1,1-Dichloropropene	4.43	75	258036	48.311	ug/l	100
37) Ethyl Acetate	4.26	43	90453	44.324	ug/l	100
38) Carbon Tetrachloride	4.14	117	270319	42.841	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	249352	47.013	ug/l	100
40) Benzene	4.78	78	515761	48.031	ug/l	100
41) Methacrylonitrile	4.89	41	50755	46.363	ug/l	100
42) 1,2-Dichloroethane	5.09	62	250350	49.217	ug/l	100
43) Isopropyl Acetate	7.08	43	110930	44.798	ug/l	100
44) Trichloroethene	5.65	130	166842	48.326	ug/l	100
45) 1,2-Dichloropropane	6.37	63	129683	45.999	ug/l	100
46) Dibromomethane	6.22	93	108427	47.740	ug/l	100
47) Bromodichloromethane	6.51	83	276843	48.925	ug/l	100
48) Methyl methacrylate	6.84	41	81152	45.843	ug/l	100
49) 1,4-Dioxane	6.83	88	15172	991.426	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	384399	218.703	ug/l	100
52) Toluene	7.75	92	321755	44.585	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	205691	46.427	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	245285	47.828	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	104842	45.862	ug/l	100
56) Ethyl methacrylate	8.73	69	114473	44.232	ug/l	100
57) 1,3-Dichloropropane	8.97	76	173718	45.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	61051	229.391	ug/l	100
59) 2-Hexanone	9.60	43	260099	202.201	ug/l	100
60) Dibromochloromethane	8.83	129	163202	47.566	ug/l	100
61) 1,2-Dibromoethane	9.11	107	118007	47.183	ug/l	100
64) Tetrachloroethene	8.28	164	154706	51.625	ug/l	100
65) Chlorobenzene	9.92	112	373126	48.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	168716	50.397	ug/l	100
67) Ethyl Benzene	10.01	91	717169	49.204	ug/l	100
68) m/p-Xylenes	10.24	106	464959	93.254	ug/l	100
69) o-Xylene	10.80	106	267819	49.235	ug/l	100
70) Styrene	10.88	104	361610	46.828	ug/l	100
71) Bromoform	10.87	173	90294	50.821	ug/l	100
73) Isopropylbenzene	11.21	105	806919	50.124	ug/l	100
74) N-amyl acetate	11.44	43	168469	46.106	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	132257	45.848	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	103345	48.206	ug/l	100
77) Bromobenzene	11.57	156	176779	49.209	ug/l	100
78) n-propylbenzene	11.67	91	937658	48.502	ug/l	100
79) 2-Chlorotoluene	11.80	91	556552	49.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	666545	49.058	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	44470m	47.444	ug/l	
82) 4-Chlorotoluene	11.98	91	582125	49.845	ug/l	100
83) tert-Butylbenzene	12.19	119	676039	50.440	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	681375	50.345	ug/l	100
85) sec-Butylbenzene	12.37	105	923240	49.793	ug/l	100
86) p-Isopropyltoluene	12.52	119	756697	49.944	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	332232	49.176	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	326880	49.185	ug/l	100
89) n-Butylbenzene	12.90	91	802867	50.265	ug/l	100
90) Hexachloroethane	12.98	117	188166	48.645	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	324611	50.103	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	30062	52.293	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	244290	50.410	ug/l	100
94) Hexachlorobutadiene	14.24	225	178201	52.290	ug/l	100
95) Naphthalene	14.51	128	444710	51.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	241949	53.001	ug/l	100

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

