

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061100.D
 Acq On : 20 Dec 2018 11:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/21/2018 12:22:55 PM

Quant Time: Dec 21 06:52:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	241499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	408741	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	374833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	174984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	140026	45.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.16%	
35) Dibromofluoromethane	4.11	113	158511	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	7.55	98	466886	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.41	95	201657	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	228196	42.507	ug/l	100
3) Chloromethane	1.10	50	154914	50.377	ug/l	96
4) Vinyl Chloride	1.14	62	145431	50.981	ug/l	88
5) Bromomethane	1.33	94	95994	48.516	ug/l	92
6) Chloroethane	1.39	64	63520	48.325	ug/l	95
7) Trichlorofluoromethane	1.48	101	240001	44.063	ug/l	99
8) Diethyl Ether	1.63	74	35751	47.932	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	125298	44.368	ug/l	97
10) Methyl Iodide	1.90	142	204681m	45.979	ug/l	
11) Tert butyl alcohol	2.56	59	24650	196.660	ug/l	96
12) 1,1-Dichloroethene	1.79	96	101888	47.862	ug/l	89
13) Acrolein	2.01	56	19043m	210.251	ug/l	
14) Allyl chloride	2.10	41	136659	61.687	ug/l	85
15) Acrylonitrile	2.94	53	69212	238.791	ug/l	96
16) Acetone	2.23	43	150521	242.407	ug/l #	90
17) Carbon Disulfide	1.83	76	318299m	49.477	ug/l	
18) Methyl Acetate	2.34	43	57744	44.948	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	204450	43.268	ug/l	98
20) Methylene Chloride	2.24	84	102157m	51.631	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	107304	47.128	ug/l	94
22) Diisopropyl ether	2.80	45	361869	49.038	ug/l	93
23) Vinyl Acetate	3.18	43	807732	237.267	ug/l	99
24) 1,1-Dichloroethane	2.88	63	207644	47.491	ug/l	99
25) 2-Butanone	4.34	43	232813	231.183	ug/l	97
26) 2,2-Dichloropropane	3.60	77	117331	46.761	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	164877	47.301	ug/l	98
28) Bromochloromethane	3.71	49	102886	46.376	ug/l	91
29) Tetrahydrofuran	4.07	42	91738	223.817	ug/l	97
30) Chloroform	3.86	83	282487	43.089	ug/l	100
31) Cyclohexane	3.69	56	235584	51.925	ug/l	89
32) 1,1,1-Trichloroethane	4.09	97	199291	50.717	ug/l	92
36) 1,1-Dichloropropene	4.28	75	228967	46.408	ug/l	98
37) Ethyl Acetate	4.12	43	89095	45.744	ug/l	97
38) Carbon Tetrachloride	3.99	117	181264	48.243	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	249790	56.434	ug/l	95
40) Benzene	4.63	78	507155	47.799	ug/l	96
41) Methacrylonitrile	4.74	41	46798	44.913	ug/l	95
42) 1,2-Dichloroethane	4.95	62	164188	40.735	ug/l	98
43) Isopropyl Acetate	6.96	43	104480	43.857	ug/l	97
44) Trichloroethene	5.50	130	155555	46.502	ug/l	97
45) 1,2-Dichloropropane	6.24	63	133579	46.274	ug/l	98
46) Dibromomethane	6.08	93	83690	44.700	ug/l	89
47) Bromodichloromethane	6.39	83	210502	43.272	ug/l	98
48) Methyl methacrylate	6.72	41	76494	45.995	ug/l	93
49) 1,4-Dioxane	6.71	88	10290	852.717	ug/l #	74
51) 4-Methyl-2-Pentanone	8.26	43	357267	218.670	ug/l	100
52) Toluene	7.62	92	327077	46.570	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	169736	43.252	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	223119	45.300	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	92240	43.809	ug/l	96
56) Ethyl methacrylate	8.62	69	105885	46.475	ug/l	96
57) 1,3-Dichloropropane	8.85	76	170992	44.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	103363	236.223	ug/l	96
59) 2-Hexanone	9.49	43	265777	224.941	ug/l	98
60) Dibromochloromethane	8.72	129	131119	43.443	ug/l	96
61) 1,2-Dibromoethane	8.99	107	97559	43.386	ug/l	96
64) Tetrachloroethene	8.15	164	130903	45.398	ug/l	94
65) Chlorobenzene	9.80	112	354021	45.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	135175	42.717	ug/l	98
67) Ethyl Benzene	9.90	91	636173	45.095	ug/l	98
68) m/p-Xylenes	10.14	106	453151	91.275	ug/l	91
69) o-Xylene	10.72	106	252306	45.822	ug/l	89
70) Styrene	10.79	104	352051	52.738	ug/l	98
71) Bromoform	10.78	173	64890	44.323	ug/l #	96
73) Isopropylbenzene	11.12	105	696191	46.169	ug/l	99
74) N-amyl acetate	11.37	43	169773	50.711	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	120439	48.124	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	81307	43.655	ug/l	97
77) Bromobenzene	11.50	156	153663	47.338	ug/l	90
78) n-propylbenzene	11.60	91	827447	47.090	ug/l	99
79) 2-Chlorotoluene	11.72	91	482282	46.623	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	546083	43.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	40074m	50.072	ug/l	
82) 4-Chlorotoluene	11.90	91	477301	44.603	ug/l	100
83) tert-Butylbenzene	12.13	119	569861	44.600	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	559143	45.157	ug/l	98
85) sec-Butylbenzene	12.31	105	805461	48.306	ug/l	99
86) p-Isopropyltoluene	12.46	119	652297	47.130	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	279320	53.056	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	268243	45.003	ug/l	98
89) n-Butylbenzene	12.85	91	665751	46.945	ug/l	98
90) Hexachloroethane	12.92	117	163321	47.762	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	254361	43.832	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20828	45.352	ug/l	76

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93) 1,2,4-Trichlorobenzene	14.20	180	182885	44.438	ug/l	96
94) Hexachlorobutadiene	14.19	225	123207	47.004	ug/l	93
95) Naphthalene	14.46	128	340648	45.328	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	166207	43.686	ug/l	95

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

