

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061118.D
 Acq On : 21 Dec 2018 11:10
 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

MMDadoda
 12/26/2018 10:51:02 AM

Quant Time: Dec 21 15:13:36 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	4.90	168	210443	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.62	114	356539	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.81	117	327354	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.58	152	156227	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	122675	45.32	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.64%	
35) Dibromofluoromethane	4.14	113	137569	48.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.34%	
50) Toluene-d8	7.59	98	416585	51.47	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.43	95	175529	47.04	ug/l	0.02
Spiked Amount 50.000			Recovery	=	94.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	193433	41.349	ug/l	99
3) Chloromethane	1.12	50	122197	45.602	ug/l	100
4) Vinyl Chloride	1.15	62	113213	45.544	ug/l	99
5) Bromomethane	1.37	94	80116	46.467	ug/l	99
6) Chloroethane	1.41	64	57101	49.853	ug/l #	86
7) Trichlorofluoromethane	1.50	101	215632m	45.431	ug/l	
8) Diethyl Ether	1.65	74	33148	51.001	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	112226	45.603	ug/l	94
10) Methyl Iodide	1.93	142	176213m	45.426	ug/l	
11) Tert butyl alcohol	2.60	59	29137	266.762	ug/l	96
12) 1,1-Dichloroethene	1.82	96	87280	47.050	ug/l	93
13) Acrolein	2.01	56	24963	316.287	ug/l	87
14) Allyl chloride	2.11	41	63996	33.150	ug/l	96
15) Acrylonitrile	2.97	53	66138	261.860	ug/l	93
16) Acetone	2.26	43	144345	266.767	ug/l #	90
17) Carbon Disulfide	1.85	76	267410m	47.701	ug/l	
18) Methyl Acetate	2.37	43	59442	53.098	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	185637	45.084	ug/l	97
20) Methylene Chloride	2.29	84	84830m	48.968	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	88820m	44.766	ug/l	
22) Diisopropyl ether	2.82	45	299582	46.588	ug/l	96
23) Vinyl Acetate	3.22	43	776164	261.641	ug/l	99
24) 1,1-Dichloroethane	2.89	63	162920	42.761	ug/l	98
25) 2-Butanone	4.37	43	246662	281.082	ug/l	99
26) 2,2-Dichloropropane	3.63	77	99287	45.409	ug/l	95
27) cis-1,2-Dichloroethene	3.50	96	148211	48.794	ug/l	93
28) Bromochloromethane	3.75	49	97532	50.451	ug/l	92
29) Tetrahydrofuran	4.11	42	91069	254.973	ug/l	96
30) Chloroform	3.89	83	260264	45.558	ug/l	94
31) Cyclohexane	3.72	56	200257m	50.653	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	191027m	55.788	ug/l	
36) 1,1-Dichloropropene	4.31	75	205650	47.785	ug/l	99
37) Ethyl Acetate	4.15	43	82442	49.099	ug/l #	77
38) Carbon Tetrachloride	4.02	117	141945	43.310	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	171790	44.494	ug/l	97
40) Benzene	4.67	78	457431	49.425	ug/l	98
41) Methacrylonitrile	4.78	41	43648	48.023	ug/l #	90
42) 1,2-Dichloroethane	4.97	62	161015	45.797	ug/l	98
43) Isopropyl Acetate	6.99	43	116905	56.258	ug/l #	100
44) Trichloroethene	5.53	130	143595	49.212	ug/l	99
45) 1,2-Dichloropropane	6.26	63	119072	47.288	ug/l	96
46) Dibromomethane	6.12	93	77611	47.523	ug/l	97
47) Bromodichloromethane	6.41	83	201208	47.418	ug/l	98
48) Methyl methacrylate	6.75	41	76222	52.542	ug/l	92
49) 1,4-Dioxane	6.75	88	11393	1082.353	ug/l #	90
51) 4-Methyl-2-Pentanone	8.29	43	356768	250.336	ug/l	98
52) Toluene	7.65	92	282863	46.171	ug/l	98
53) t-1,3-Dichloropropene	8.31	75	165245	48.273	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	206619	48.093	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	90871	49.478	ug/l	95
56) Ethyl methacrylate	8.65	69	103160	51.909	ug/l	97
57) 1,3-Dichloropropane	8.89	76	160793	48.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.33	63	109449	286.754	ug/l	98
59) 2-Hexanone	9.52	43	303357	294.338	ug/l	97
60) Dibromochloromethane	8.75	129	127552	48.449	ug/l	89
61) 1,2-Dibromoethane	9.02	107	95435	48.655	ug/l	99
64) Tetrachloroethene	8.19	164	126088	50.071	ug/l	93
65) Chlorobenzene	9.83	112	324439	47.975	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	130164	47.099	ug/l	97
67) Ethyl Benzene	9.93	91	590782	47.952	ug/l	97
68) m/p-Xylenes	10.16	106	423103	97.583	ug/l	97
69) o-Xylene	10.74	106	217223	45.173	ug/l	91
70) Styrene	10.81	104	313455	53.872	ug/l	99
71) Bromoform	10.80	173	61847	48.371	ug/l	99
73) Isopropylbenzene	11.15	105	659097	48.957	ug/l	99
74) N-amyl acetate	11.39	43	163029	54.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	108180	48.416	ug/l	99
76) 1,2,3-Trichloropropane	11.82	75	79771	47.973	ug/l	98
77) Bromobenzene	11.52	156	137614	47.484	ug/l	90
78) n-propylbenzene	11.62	91	746268	47.686	ug/l	95
79) 2-Chlorotoluene	11.74	91	432420	46.821	ug/l	95
80) 1,3,5-Trimethylbenzene	11.85	105	534272	48.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	34188m	47.846	ug/l	
82) 4-Chlorotoluene	11.93	91	437045	45.745	ug/l	95
83) tert-Butylbenzene	12.15	119	521971	45.757	ug/l	99
84) 1,2,4-Trimethylbenzene	12.23	105	516228	46.697	ug/l	98
85) sec-Butylbenzene	12.33	105	707560	47.529	ug/l	98
86) p-Isopropyltoluene	12.48	119	607397	49.155	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	259230	55.390	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	249941	46.967	ug/l	98
89) n-Butylbenzene	12.86	91	604694	47.992	ug/l	98
90) Hexachloroethane	12.94	117	144274	47.258	ug/l	75
91) 1,2-Dichlorobenzene	12.96	146	238598	46.052	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	21578	52.627	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	176076	47.920	ug/l	95
94) Hexachlorobutadiene	14.21	225	117014	50.001	ug/l	94
95) Naphthalene	14.48	128	335342	49.980	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	158399	46.632	ug/l	96

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

