

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060972.D
 Acq On : 11 Dec 2018 12:54
 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
 12/12/2018 1:28:32 PM

Quant Time: Dec 12 06:35:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	189253	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	311096	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	287136	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	139737	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	112394	50.41	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	100.82%	
35) Dibromofluoromethane	4.11	113	125832	50.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.98%	
50) Toluene-d8	7.55	98	344797	47.43	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.41	95	157381	47.63	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	116860	41.297	ug/l	97
3) Chloromethane	1.09	50	78829	42.810	ug/l	98
4) Vinyl Chloride	1.14	62	79124	46.067	ug/l	95
5) Bromomethane	1.33	94	55938	46.187	ug/l	98
6) Chloroethane	1.39	64	38099	51.315	ug/l	96
7) Trichlorofluoromethane	1.48	101	171564	46.555	ug/l	91
8) Diethyl Ether	1.63	74	24694	46.599	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	90708	48.688	ug/l	94
10) Methyl Iodide	1.91	142	139308m	49.194	ug/l	
11) Tert butyl alcohol	2.57	59	21342	233.524	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	69777	46.564	ug/l	98
13) Acrolein	2.01	56	18012	208.015	ug/l	85
14) Allyl chloride	2.10	41	81888	43.843	ug/l	99
15) Acrylonitrile	2.95	53	48728	237.823	ug/l	94
16) Acetone	2.24	43	118930	289.279	ug/l	95
17) Carbon Disulfide	1.82	76	171368m	42.651	ug/l	
18) Methyl Acetate	2.34	43	35712	51.837	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	156298	46.309	ug/l	96
20) Methylene Chloride	2.25	84	68798m	45.615	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	58296	40.352	ug/l	96
22) Diisopropyl ether	2.80	45	255200	50.196	ug/l	99
23) Vinyl Acetate	3.18	43	605632	260.602	ug/l	99
24) 1,1-Dichloroethane	2.87	63	153861	50.866	ug/l	99
25) 2-Butanone	4.34	43	183405	257.916	ug/l	100
26) 2,2-Dichloropropane	3.60	77	94595	48.238	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	117102	49.789	ug/l	99
28) Bromochloromethane	3.71	49	72268	49.782	ug/l	93
29) Tetrahydrofuran	4.08	42	70209	232.922	ug/l	96
30) Chloroform	3.86	83	226903	48.740	ug/l	98
31) Cyclohexane	3.69	56	139088m	44.307	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	138195	42.803	ug/l	98
36) 1,1-Dichloropropene	4.28	75	162752	47.167	ug/l	97
37) Ethyl Acetate	4.11	43	64224	45.802	ug/l #	97
38) Carbon Tetrachloride	3.98	117	127231	41.746	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	147591	40.815	ug/l	97
40) Benzene	4.63	78	354923	46.559	ug/l	100
41) Methacrylonitrile	4.74	41	34690	47.596	ug/l	95
42) 1,2-Dichloroethane	4.94	62	130268	46.808	ug/l	99
43) Isopropyl Acetate	6.96	43	76392	43.819	ug/l #	95
44) Trichloroethene	5.50	130	112932	45.309	ug/l	99
45) 1,2-Dichloropropane	6.23	63	100824	50.926	ug/l	96
46) Dibromomethane	6.08	93	62502	46.538	ug/l	94
47) Bromodichloromethane	6.39	83	168320	47.187	ug/l	99
48) Methyl methacrylate	6.71	41	53751	42.348	ug/l	96
49) 1,4-Dioxane	6.70	88	8757	942.699	ug/l #	88
51) 4-Methyl-2-Pentanone	8.26	43	293615	227.068	ug/l	98
52) Toluene	7.62	92	229147	42.795	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	134093	46.215	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	175369	48.822	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	74427	47.702	ug/l	96
56) Ethyl methacrylate	8.62	69	80193	46.268	ug/l	96
57) 1,3-Dichloropropane	8.85	76	129244	47.347	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	67497	380.728	ug/l	94
59) 2-Hexanone	9.50	43	218310	240.650	ug/l	97
60) Dibromochloromethane	8.72	129	100299	43.145	ug/l	93
61) 1,2-Dibromoethane	8.98	107	77460	45.957	ug/l	95
64) Tetrachloroethene	8.15	164	99264	45.261	ug/l	96
65) Chlorobenzene	9.80	112	264570	47.364	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	108585	45.218	ug/l	96
67) Ethyl Benzene	9.90	91	483758	46.519	ug/l	98
68) m/p-Xylenes	10.13	106	337153	90.143	ug/l	100
69) o-Xylene	10.72	106	195946	47.509	ug/l	96
70) Styrene	10.79	104	263452	46.080	ug/l	98
71) Bromoform	10.78	173	51574	44.463	ug/l	96
73) Isopropylbenzene	11.12	105	580894	52.604	ug/l	100
74) N-amyl acetate	11.37	43	122314	47.967	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	93309	51.342	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	65455	49.549	ug/l	94
77) Bromobenzene	11.50	156	116115	47.962	ug/l	87
78) n-propylbenzene	11.60	91	663861	51.335	ug/l	97
79) 2-Chlorotoluene	11.71	91	381537	51.455	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	446774	49.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	34810m	53.782	ug/l	
82) 4-Chlorotoluene	11.90	91	390124	49.994	ug/l	92
83) tert-Butylbenzene	12.13	119	468410	51.295	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	450518	50.354	ug/l	99
85) sec-Butylbenzene	12.31	105	624239	49.936	ug/l	100
86) p-Isopropyltoluene	12.46	119	518529	49.475	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	222282	48.269	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	211075	47.033	ug/l	97
89) n-Butylbenzene	12.85	91	534231	50.411	ug/l	100
90) Hexachloroethane	12.92	117	125562	49.752	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	209853	48.120	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17061	48.555	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.20	180	151872	49.841	ug/l	98
94) Hexachlorobutadiene	14.19	225	104711	51.549	ug/l	96
95) Naphthalene	14.46	128	267955	44.953	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	138560	48.973	ug/l	99

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

