

Data File : VF058113.D
Acq On : 6 Jun 2018 18:09
Operator : JC/SY
Sample : VSTDIC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:49 PM

Quant Time: Jun 07 06:56:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	344288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	551590	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	551865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	303723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	295846	69.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.26%	
35) Dibromofluoromethane	4.29	113	269585	65.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.80%	
50) Toluene-d8	7.71	98	846892	69.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.70%	
62) 4-Bromofluorobenzene	11.51	95	398155	65.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	272209	65.469	ug/l	99
3) Chloromethane	1.09	50	206461	62.675	ug/l	99
4) Vinyl Chloride	1.15	62	192340	69.935	ug/l	100
5) Bromomethane	1.34	94	107253	68.872	ug/l	97
6) Chloroethane	1.43	64	84604	72.215	ug/l	89
7) Trichlorofluoromethane	1.49	101	319168m	76.403	ug/l	
8) Diethyl Ether	1.70	74	72951	71.707	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	184811	71.779	ug/l	95
10) Methyl Iodide	1.97	142	340768m	74.442	ug/l	
11) Tert butyl alcohol	2.68	59	80771	330.114	ug/l	97
12) 1,1-Dichloroethene	1.85	96	164830	73.575	ug/l	90
13) Acrolein	2.09	56	68127	428.031	ug/l	94
14) Allyl chloride	2.19	41	313391	73.169	ug/l	98
15) Acrylonitrile	3.07	53	187189	330.935	ug/l	97
16) Acetone	2.33	43	330869	353.126	ug/l	93
17) Carbon Disulfide	1.84	76	467011	72.641	ug/l	99
18) Methyl Acetate	2.45	43	113684m	65.060	ug/l	
19) Methyl tert-butyl Ether	2.53	73	470207	67.021	ug/l	98
20) Methylene Chloride	2.27	84	164298m	71.623	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	170211	70.382	ug/l	97
22) Diisopropyl ether	2.91	45	610880	72.859	ug/l	97
23) Vinyl Acetate	3.33	43	1910975	311.075	ug/l	99
24) 1,1-Dichloroethane	2.99	63	364425	70.168	ug/l	99
25) 2-Butanone	4.50	43	467858	307.820	ug/l	99
26) 2,2-Dichloropropane	3.75	77	255225	69.533	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	265072	65.913	ug/l	95
28) Bromochloromethane	3.88	49	147571	64.316	ug/l #	90
29) Tetrahydrofuran	4.25	42	201296	286.920	ug/l	98
30) Chloroform	4.04	83	512017	65.717	ug/l	96
31) Cyclohexane	3.87	56	313310	64.098	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	379435	68.611	ug/l	97
36) 1,1-Dichloropropene	4.46	75	385052	69.022	ug/l	97
37) Ethyl Acetate	4.29	43	202104	61.439	ug/l	91
38) Carbon Tetrachloride	4.17	117	420171m	70.893	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	379148	65.773	ug/l	98
40) Benzene	4.81	78	851203	65.170	ug/l	97
41) Methacrylonitrile	4.92	41	105792	63.506	ug/l	98
42) 1,2-Dichloroethane	5.11	62	370149	65.996	ug/l	100
43) Isopropyl Acetate	7.10	43	283249	63.512	ug/l	99
44) Trichloroethene	5.67	130	256842	63.135	ug/l	94
45) 1,2-Dichloropropane	6.39	63	242433	63.849	ug/l	99
46) Dibromomethane	6.25	93	181059	63.171	ug/l	95
47) Bromodichloromethane	6.54	83	423528	66.973	ug/l	98
48) Methyl methacrylate	6.87	41	189149	67.099	ug/l	97
49) 1,4-Dioxane	6.87	88	27461	1411.743	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	933408	301.499	ug/l	99
52) Toluene	7.77	92	616066	66.431	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	388452	64.294	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	474123	68.304	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	216495	64.211	ug/l	92
56) Ethyl methacrylate	8.76	69	280037	65.675	ug/l	98
57) 1,3-Dichloropropane	9.00	76	377299	64.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	98436	333.920	ug/l	100
59) 2-Hexanone	9.63	43	746426	307.905	ug/l	98
60) Dibromochloromethane	8.86	129	324273	67.639	ug/l	99
61) 1,2-Dibromoethane	9.13	107	258462	64.252	ug/l	97
64) Tetrachloroethene	8.31	164	263188	63.180	ug/l	94
65) Chlorobenzene	9.94	112	752951	67.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	279272	63.896	ug/l	98
67) Ethyl Benzene	10.04	91	1227504	62.460	ug/l	99
68) m/p-Xylenes	10.27	106	903324	123.977	ug/l	97
69) o-Xylene	10.83	106	525961	66.276	ug/l	97
70) Styrene	10.90	104	762478	64.077	ug/l	99
71) Bromoform	10.89	173	192819	64.148	ug/l #	95
73) Isopropylbenzene	11.22	105	1425326	66.082	ug/l	99
74) N-amyl acetate	11.46	43	491547	61.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	322284	62.378	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	231564	61.422	ug/l	97
77) Bromobenzene	11.60	156	348352	64.811	ug/l	84
78) n-propylbenzene	11.69	91	1663520	64.547	ug/l	98
79) 2-Chlorotoluene	11.82	91	968613	63.620	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	1181252	66.063	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	153405	64.247	ug/l	98
82) 4-Chlorotoluene	11.99	91	1057718	65.875	ug/l	97
83) tert-Butylbenzene	12.21	119	1193518	66.739	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1208152	65.132	ug/l	99
85) sec-Butylbenzene	12.39	105	1570427	64.829	ug/l	99
86) p-Isopropyltoluene	12.54	119	1267727	62.776	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	613293	61.895	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	646597	67.971	ug/l	99
89) n-Butylbenzene	12.92	91	1323094	62.862	ug/l	98
90) Hexachloroethane	13.00	117	335582	68.904	ug/l	67
91) 1,2-Dichlorobenzene	13.02	146	623113	64.782	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	64450	65.401	ug/l	97

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	443448	65.733	ug/l	98
94) Hexachlorobutadiene	14.25	225	268438	68.924	ug/l	96
95) Naphthalene	14.52	128	939251	65.220	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	413212	65.012	ug/l	99

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

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